
CHAPTER 9:

SOFTWARE SPECIFICATION

9.1. WHM OVERVIEW

9.1.1. General requirements of the software

- Currently, the management of materials is still done manually, made in paper and excel, so there are some difficulties and inconveniences such as loss of materials, long-term censorship steps, through many stages, disagreements about data, ... And this is also the reason to express the need to deploy warehouse management programs to optimize and limit the disadvantages.

9.1.2. The goal of the software

- The implementation of the program will create collaborative working environment among departments.
- With the number of users as well as the amount of information about them huge need to handle. This requires a lot of time of the management department and with the traditional model it is difficult to implement effectively.
- Building a management program will make the work more authentic and more effective. Reduce labor costs and replace the need to print manual statistics.
- The program is an integrated information system, the most effective service for every need to get evaluation information, operational activities, search, reporting, synthesis and statistics.

9.1.3. Who will use WHM ?

- Construction companies.
- Companies specializing in warehouse services.

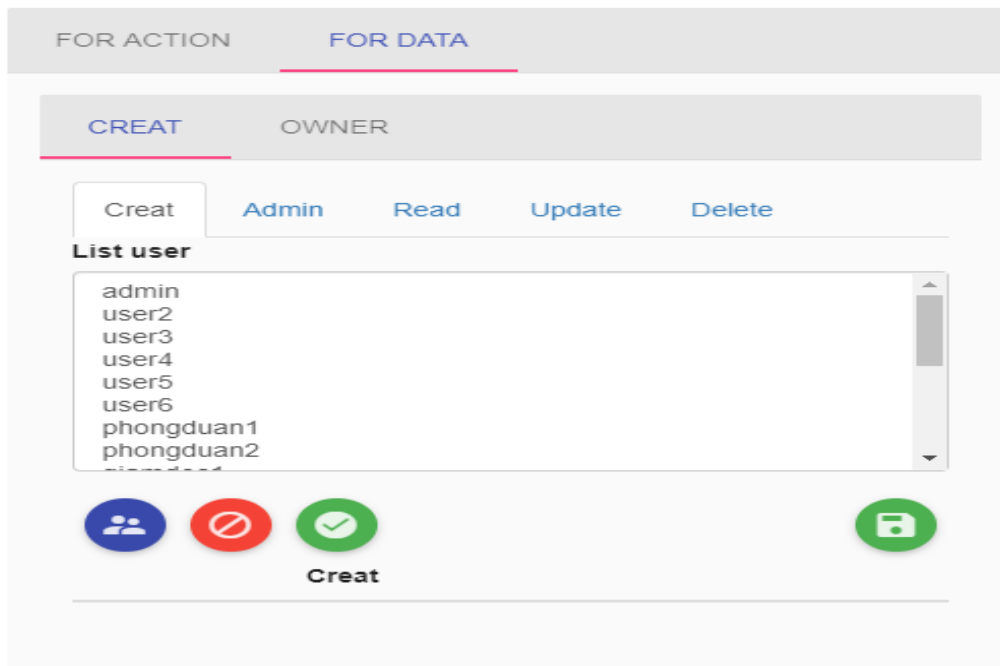
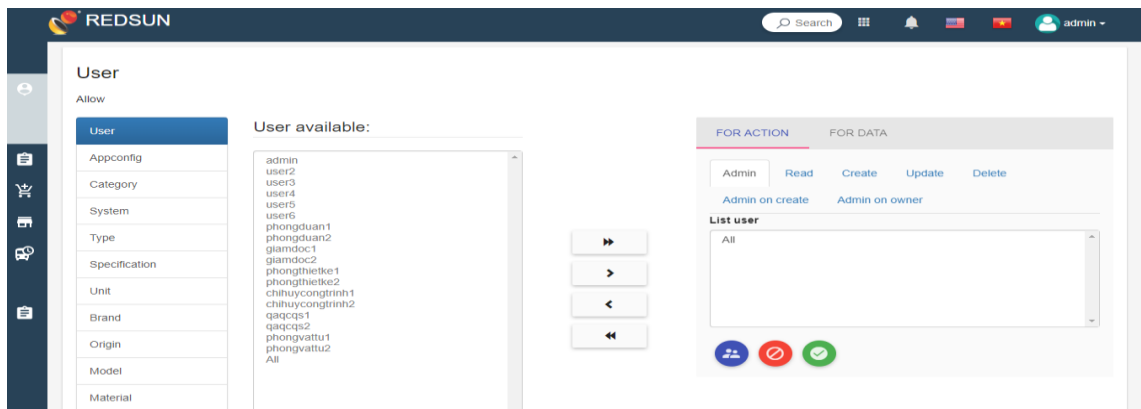
9.2. FUNCTION

9.2.1. Permission

a. Allow

i. Introduction:

Enable users can perform operations such as editing , deleting , updating.....



ii. Processing

| | | | |
|----------------------------|----------------|---|--|
| Describe | | Functions:display, for action : admin , delete , create... | |
| Beginning condition | | Logged in successfully | |
| Describe the steps | | User Operation | System |
| | Display | Click table of contents → choose funtion. | Show all user list in user available . |
| | Create | <ul style="list-style-type: none"> - Click funtion (ex. Choose Unit.) - Choose user in user avilable(ex. user 4) . - Click for action or for data. - Choose admin or read or create...(ex . choose create) - Click move button - Click save button | Returns results successfully and user 4 can create new units |
| | Read | <ul style="list-style-type: none"> - Click funtion (ex. Choose Unit.) - Choose user in user avilable(ex. user 4) . - Click for action or for data. - Choose admin or read or create...(ex . choose read) - Click move button - Click save button | Returns results successfully and user 4 only read new units |
| | Delete | Click funtion (ex. Choose Unit.) | Returns results successful and user 4 can delete units |

| | | | |
|--|-----------------------|--|--|
| | | <ul style="list-style-type: none"> - Choose user in user available(ex. user 4) . - Click for action or for data. - Choose admin or read or create...(ex . choose Delete) - Click move button - Click save button | |
| | Update | <ul style="list-style-type: none"> - Click funtion (ex. Choose Unit.) - Choose user in user available(ex. user 4) . - Click for action or for data. - Choose admin or read or create...(ex . choose update) - Click move button - Click save button | Returns results successfully and user 4 can update units |
| | All admin | <ul style="list-style-type: none"> • If you want to choose all to admin , you can click all admin button | Returns results successfully and display all list in list user |
| | All permission | <ul style="list-style-type: none"> • If you want to choose all list , you can click all permission | Returns results successfully and display all list in list user |
| | All denies | If you want to cancel all list , you can click all permission | Returns results successful and result opposite all permission |

iii. Deny:

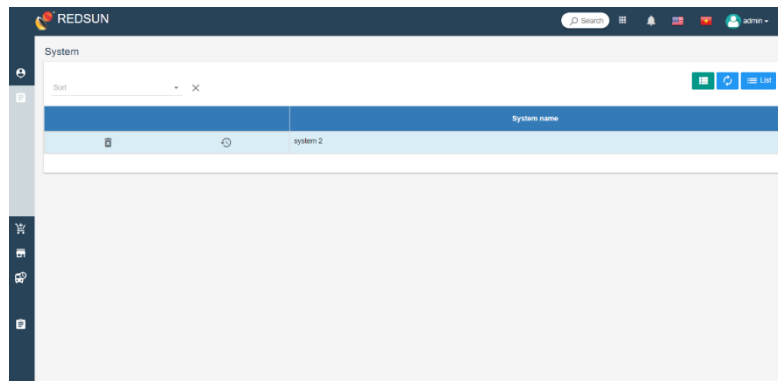
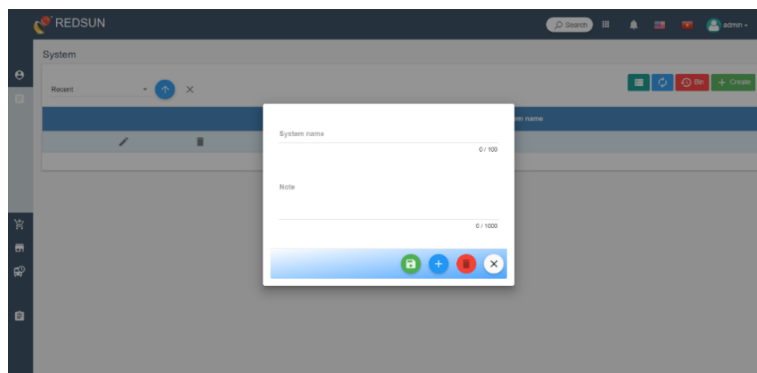
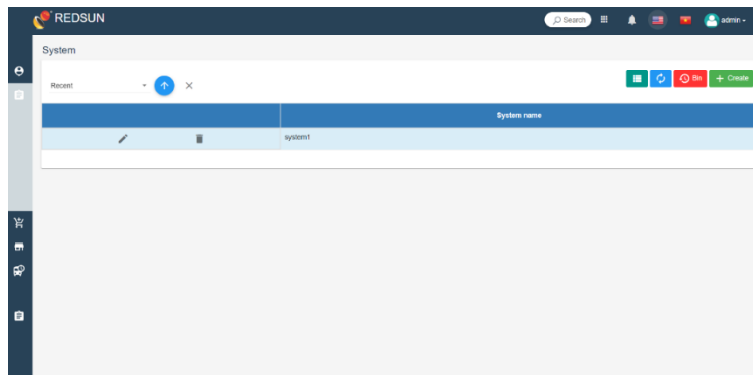
Deny same like that but opposite.

9.2.2. Catalog Management

b. System

i. Introduction:

The system is an attribute of the material, used to classify construction materials such as materials used in construction, structure, light electrical systems, heavy electricity, mechanical, water supply, . .



ii. Processing

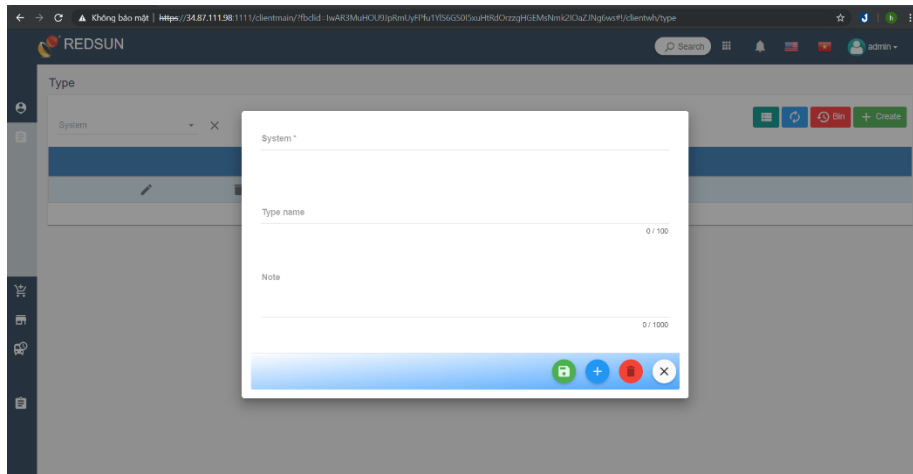
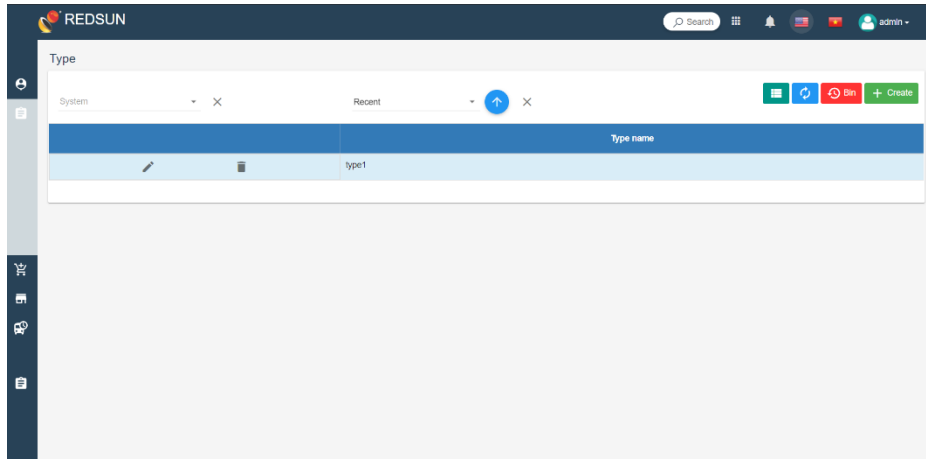
| | | | |
|----------------------------|-----------------------|--|--|
| Describe | | Functions: display, Create, edit, delete system | |
| Beginning condition | | Logged in successfully | |
| Describe the steps | | User Operation | System |
| | Display | Click Catalog Management → System. | Show all system information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and chose how to sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Chose name →Sort alphabetically of System Name. • Chose recently→Sort with updatedate. |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> |

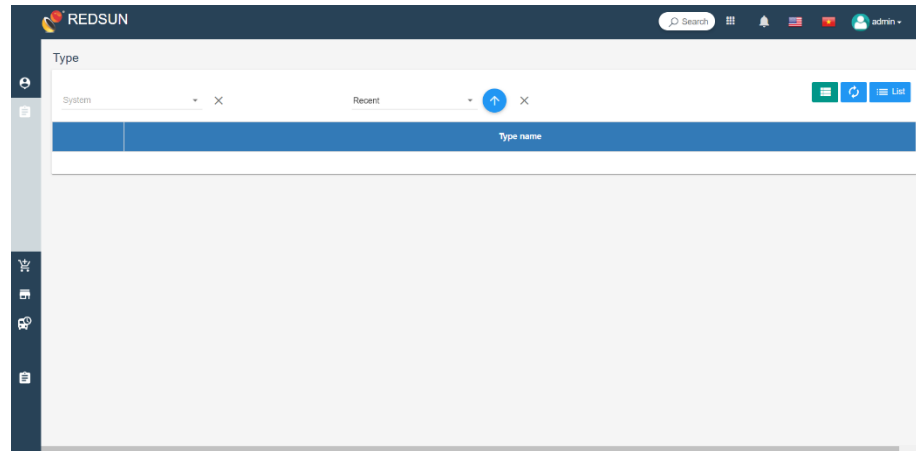
| | | | |
|--|----------------|---|--|
| | | | Click No→back to recycle bin screen |
| | Restore | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | Create | <p>Click Create button.</p> <p>Filled the data.</p> <p>System Name:</p> <ul style="list-style-type: none"> • Must filled. • Must not be existed. • Datatype: varchar. • Maxlength: 100. <p>Note:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 1000. • Click Save button. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Catalog table in database with scope is System.</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→Data change and version +1</p> |

c. Type

i. Introduction:

Type is a sub attribute of system.





ii. Processing

| | | | |
|----------------------------|----------------|--|---|
| Describe | | Functions: display, Create, edit, delete Type. | |
| Beginning condition | | Logged in successfully. Already have System in database. | |
| Describe the steps | | User Operation | System |
| | Display | Click Catalog Management → Type. | Show all Type information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and chose how to sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. |

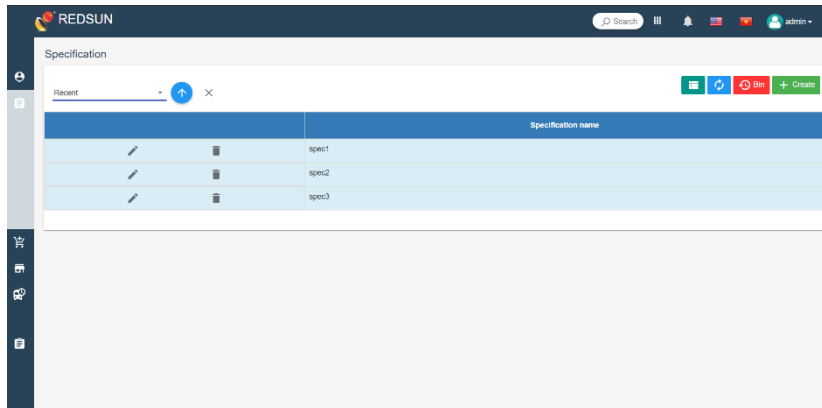
| | | | |
|--|-----------------------|--|--|
| | | | <ul style="list-style-type: none"> • Chose Name →Sort alphabetically of Type Name. • Chose Recently→Sort with updatedate. • Chose System →Sort alphabetically of System Name. |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |
| | Restore | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | Create | <p>Click Create button.</p> <p>Filled the data.</p> <p>System Name:</p> | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. |

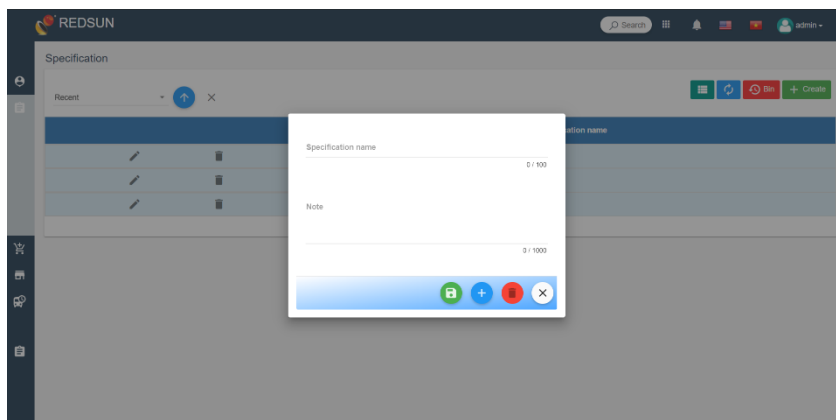
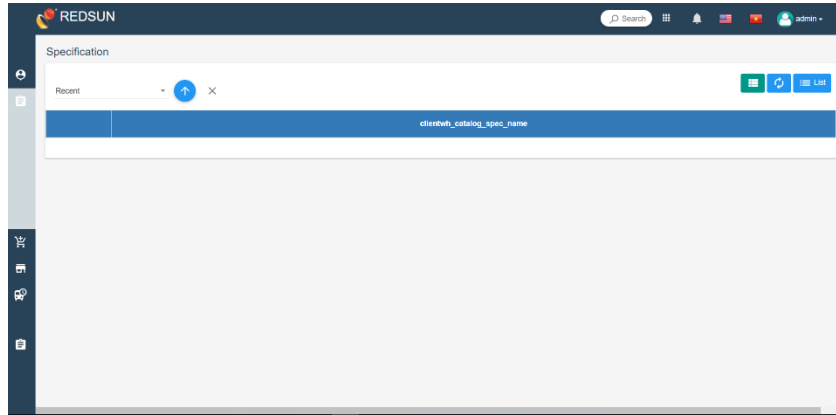
| | | | |
|--|-------------|--|--|
| | | <ul style="list-style-type: none"> • Must choose. <p>Type Name:</p> <ul style="list-style-type: none"> • Must filled. • Must not be existed. • Datatype: varchar. • Maxlength: 100. <p>Note:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 1000. • Click Save button. | <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Catalog table in database with scope is Type.</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and version +1</p> |

d. Specification

i. Introduction:

Used to briefly describe the characteristics of materials.





ii. Processing

| | | | |
|----------------------------|---|--|--|
| Describe | Functions: display, Create, edit, delete Specification. | | |
| Beginning condition | Logged in successfully. | | |
| Describe the steps | | User Operation | System |
| | Display | Click Catalog Management → Specification. | Show all Specification information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. | Returns results with characters in the search box. |

| | | | |
|--|-----------------------|--|---|
| | | - To cancel click Cancel button. | |
| | Sort | Click box sort and chose how to sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Chose Name →Sort alphabetically of Specification Name. • Chose Recently→Sort with updatedate. |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |
| | Restore | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | Create | <p>Click Create button.</p> <p>Filled the data.</p> <p>Type Name:</p> <ul style="list-style-type: none"> • Must filled. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. |

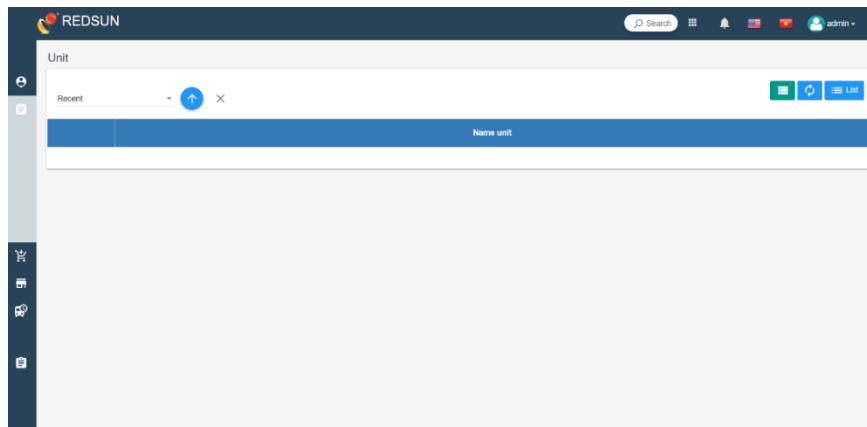
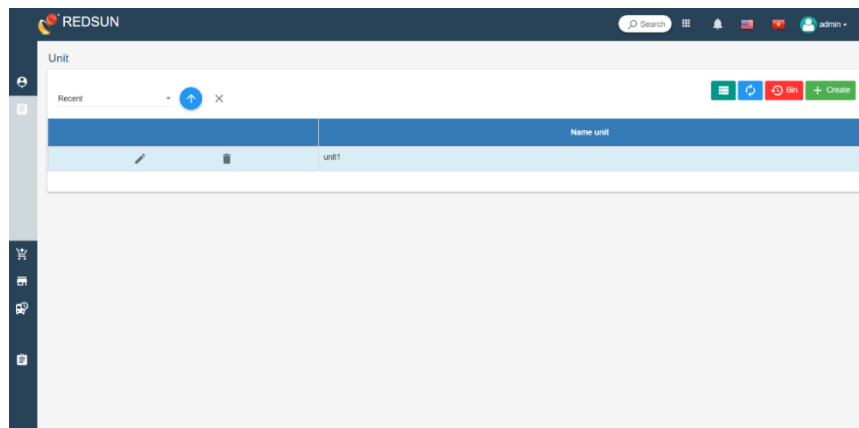
| | | | |
|--|-------------|--|---|
| | | <ul style="list-style-type: none"> • Must not be existed. • Datatype: varchar. • Maxlength: 100. <p>Note:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 100. • Click Save button. | <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Catalog table in database with scope is Specification.</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and version +1</p> |

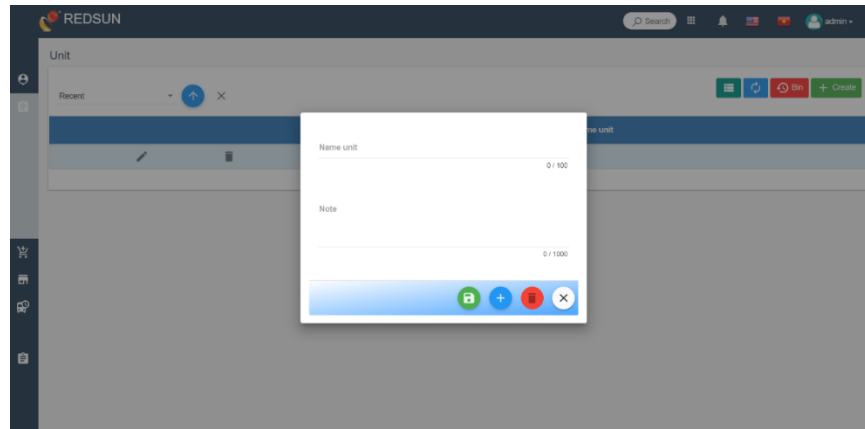
e. Unit

i. Introduction:

Using to describe the type of unit that materials are using such as m(meter), piece, kg(kilogram),

...





ii. Processing

| | | | |
|----------------------------|----------------|--|--|
| Describe | | Functions: display, Create, edit, delete Unit. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Catalog Management → Unit. | Show all Unit information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and chose how to sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Chose Name → Sort alphabetically of Specification Name. • Chose Recently → Sort with updatedate. |

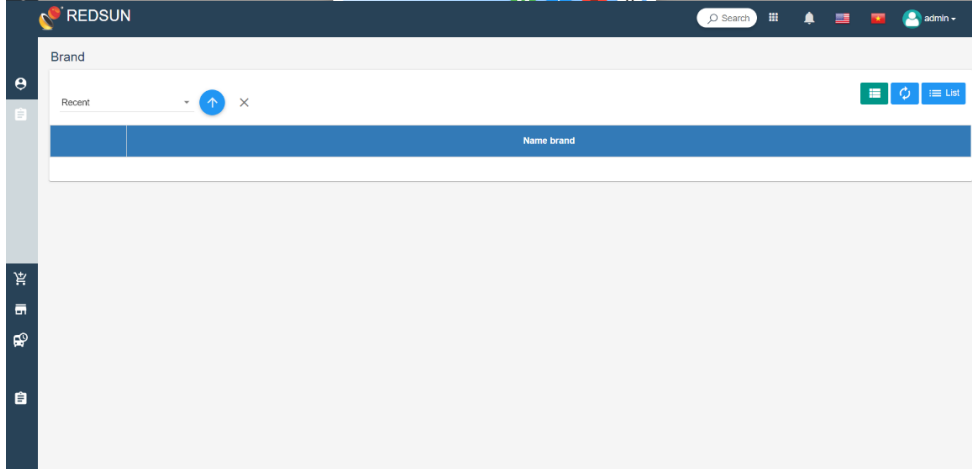
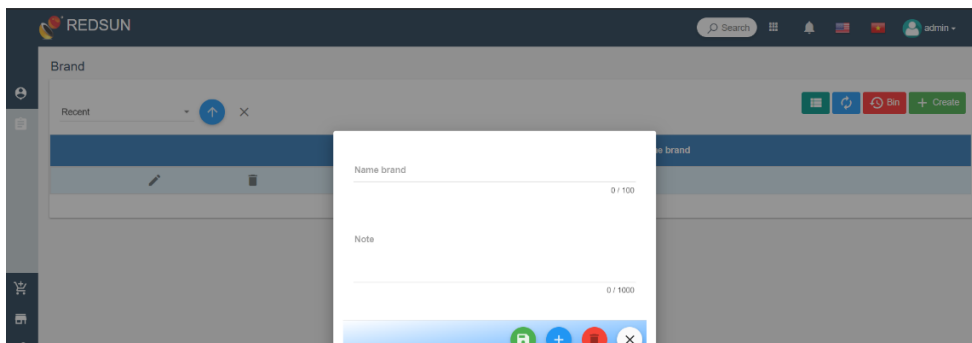
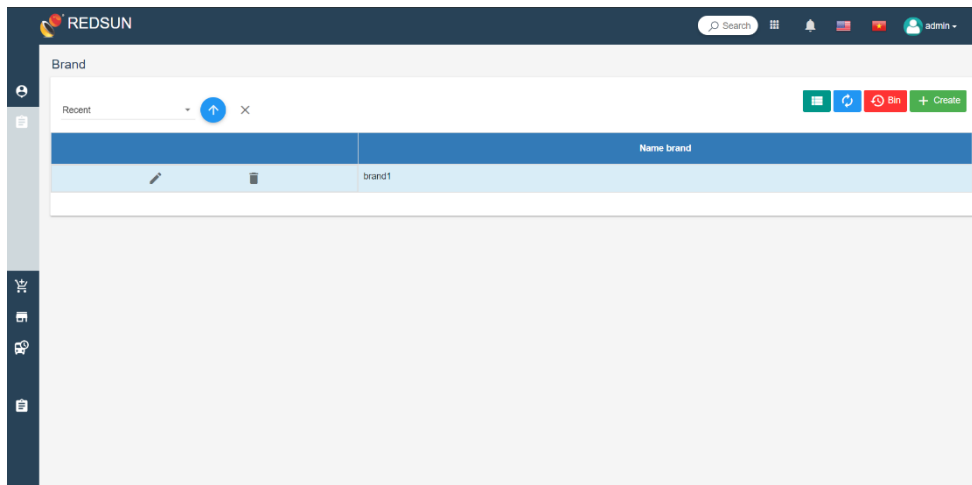
| | | | |
|--|------------------------------|---|--|
| | <p>Delete</p> | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | <p>Delete Forever</p> | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |
| | <p>Restore</p> | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | <p>Create</p> | <p>Click Create button.</p> <p>Filled the data.</p> <p>Name Unit:</p> <ul style="list-style-type: none"> • Must filled. • Must not be existed. • Datatype: varchar. • Maxlength: 100. <p>Note:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 1000. • Click Save button. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Catalog table in database with scope is Unit.</p> |

| | | | |
|--|-------------|--|--|
| | Edit | <ul style="list-style-type: none">• Click Edit button on the data want to edit.• Click Save button. | Show combobox to edit →Data change and version +1 |
|--|-------------|--|--|

f. Brand

i. Introduction:

Using to describe the brand of the material in use.



ii. Processing

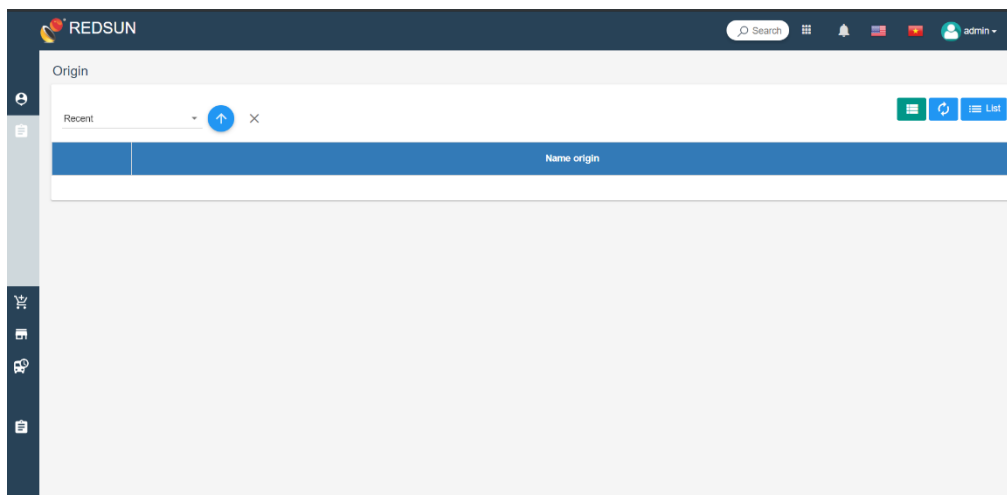
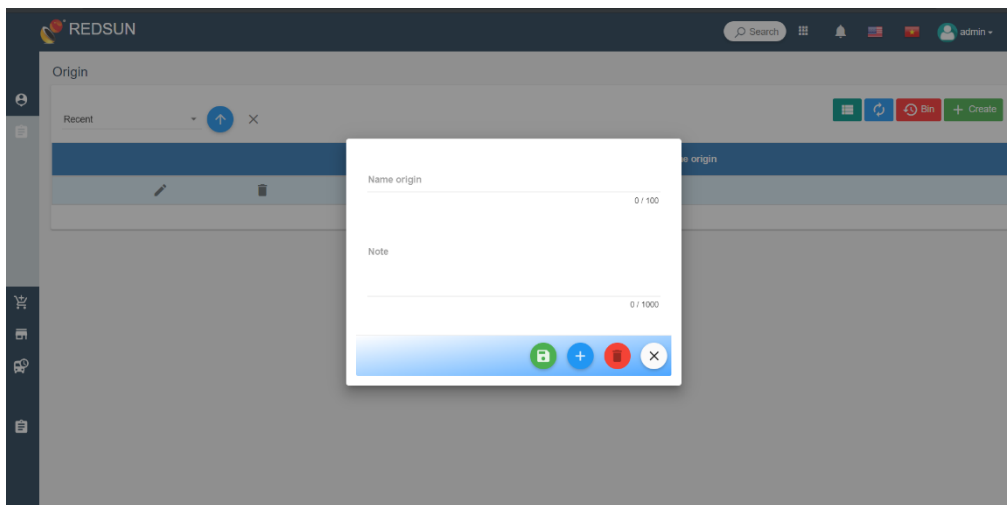
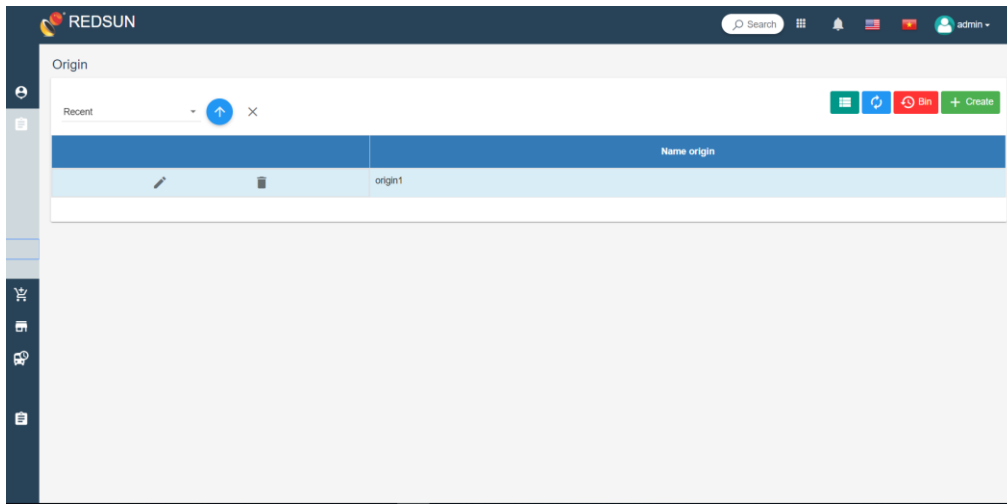
| | | | |
|----------------------------|-----------------------|--|---|
| Describe | | Functions: display, Create, edit, delete Brand. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Catalog Management → Brand. | Show all Brand information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and chose how to sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Chose Name →Sort alphabetically of Brand Name. • Chose Recently→Sort with updatedate. |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> |

| | | | |
|--|----------------|--|---|
| | | | Click No→back to recycle bin screen |
| | Restore | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | Create | <p>Click Create button.</p> <p>Filled the data.</p> <p>Name Brand:</p> <ul style="list-style-type: none"> • Must filled. • Must not be existed. • Datatype: varchar. • Maxlength: 100. <p>Note:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 1000. • Click Save button. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Catalog table in database with scope is Brand.</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→Data change and version +1</p> |

g. Origin

i. Introduction

Using to describe the origin of used materials such as VN, USA, PRC, . . .



ii. Processing

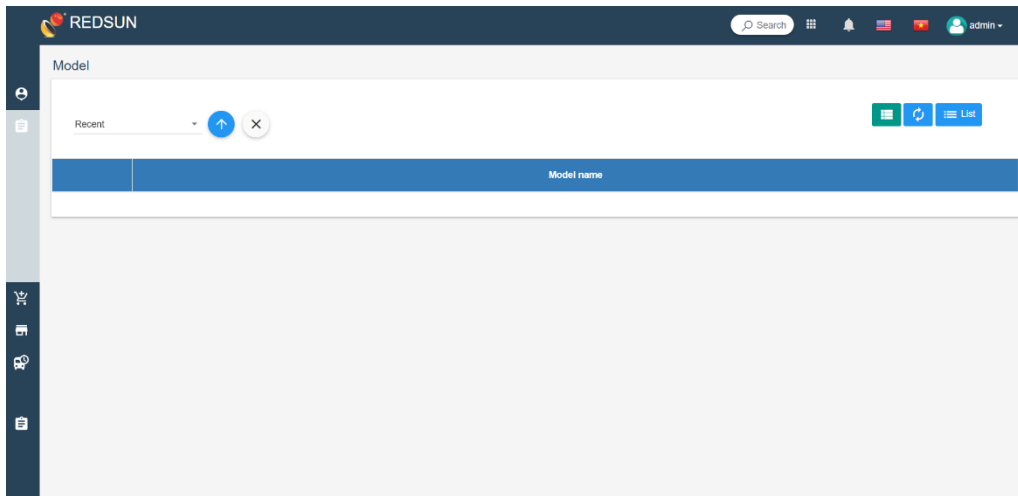
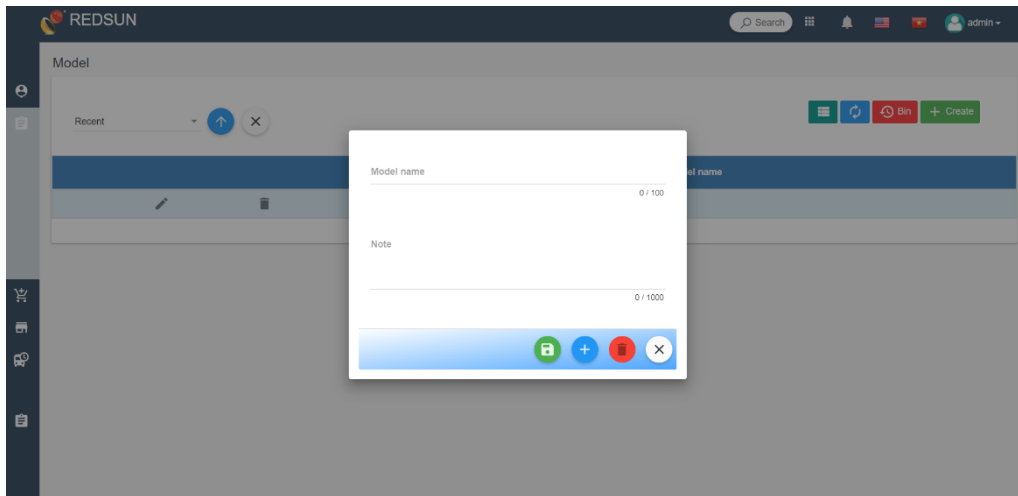
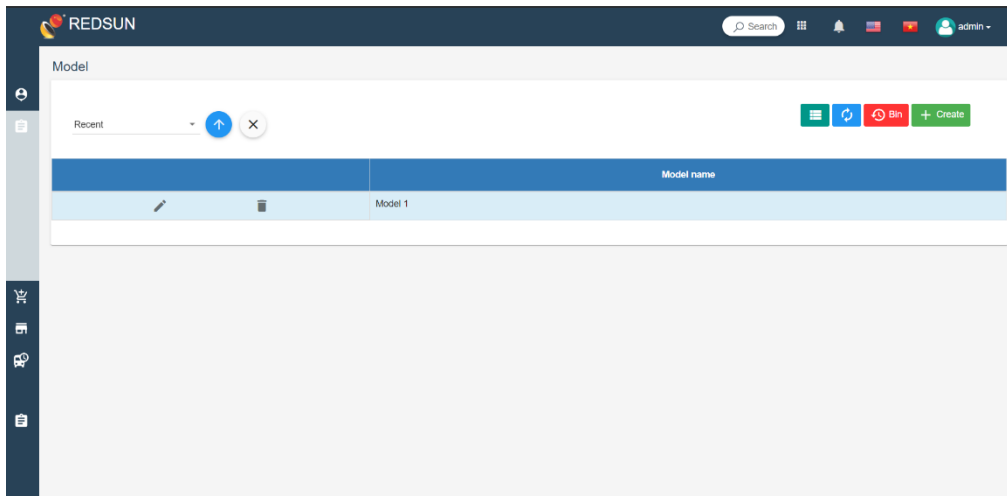
| | | | |
|----------------------------|-----------------------|--|--|
| Describe | | Functions: display, Create, edit, delete Origin. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Catalog Management → Origin. | Show all Origin information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and chose how to sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Chose Name →Sort alphabetically of Origin Name. • Chose Recently→Sort with updatedate. |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> |

| | | | |
|--|----------------|---|--|
| | | | Click No→back to recycle bin screen |
| | Restore | <ul style="list-style-type: none"> Click Recyce bin button. Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | Create | <p>Click Create button.</p> <p>Filled the data.</p> <p>Name Origin:</p> <ul style="list-style-type: none"> Must filled. Must not be existed. Datatype: varchar. Maxlength: 100. <p>Note:</p> <ul style="list-style-type: none"> No need to filled. Datatype: varchar. Maxlength: 1000. Click Save button. | <p>If:</p> <ul style="list-style-type: none"> Wrong syntax. Name already exists. Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Catalog table in database with scope is Origin.</p> |
| | Edit | <ul style="list-style-type: none"> Click Edit button on the data want to edit. Click Save button. | <p>Show combobox to edit</p> <p>→Data change and version +1</p> |

h. Model

i. Introduction

Using to show the model of used materials.



ii. Processing

| | | | |
|----------------------------|-----------------------|--|---|
| Describe | | Functions: display, Create, edit, delete Model. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Catalog Management →Model. | Show all Model information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and chose how to sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Chose Name →Sort alphabetically of Model Name. • Chose Recently→Sort with updatedate. |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> |

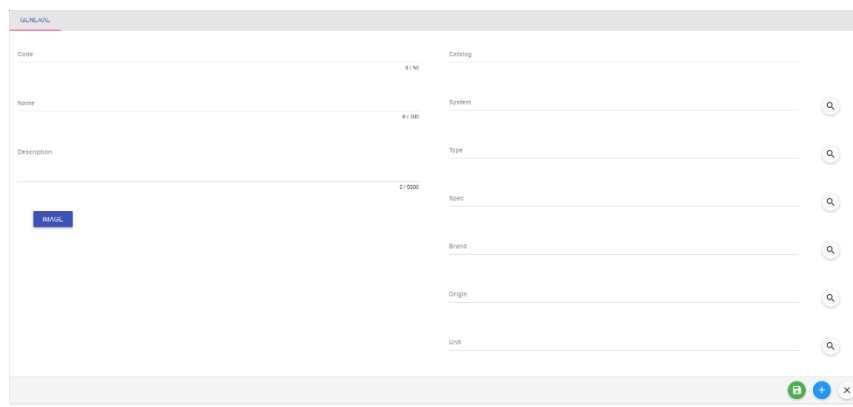
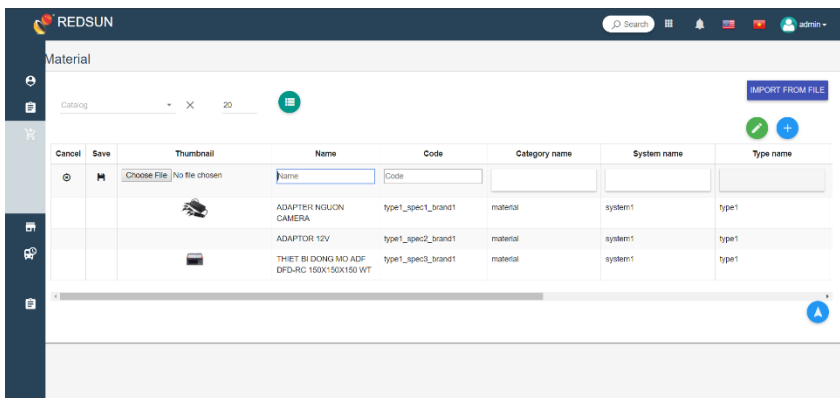
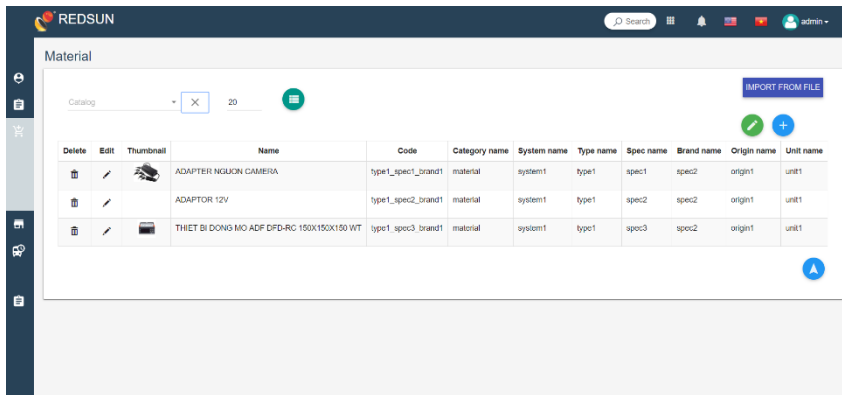
| | | | |
|--|----------------|--|---|
| | | | Click No→back to recycle bin screen |
| | Restore | <ul style="list-style-type: none"> • Click Recyce bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | Create | <p>Click Create button.</p> <p>Filled the data.</p> <p>Model Name:</p> <ul style="list-style-type: none"> • Must filled. • Must not be existed. • Datatype: varchar. • Maxlength: 100. <p>Note:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 1000. • Click Save button. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Catalog table in database with scope is Model.</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→Data change and version +1</p> |

9.2.3. Material Management

i. Material

i. Introduction

Using to create data for material, possibly from the site, has not been confirmed yet and has not been used for other task.



ii. Processing

| | | | |
|----------------------------|----------------|--|--|
| Describe | | Functions: display, Create, edit, delete Material. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Material Management → Material. | Show all Material information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and chose how to sort. | Returns results with the order user choose. 4 options in Category Name: <ul style="list-style-type: none"> • Material • Device • SubMaterial • SubDevice • Other |
| | Delete | Click Delete button on the data row/data card. | Show combobox to confirm the action. Click Yes → the data will be delete from database.. Click No → back to main screen . |

| | | | |
|--|----------------------|--|--|
| | <p>Create</p> | <p>Click Create/Create new directly button.</p> <p>Filled the data.</p> <p>Thumbnail:</p> <ul style="list-style-type: none"> • Not required. • Choose picture file for material from user device (laptop, destop, mobile phone, tablet, . . .). <p>Name:</p> <ul style="list-style-type: none"> • Must filled. • Must not be existed. • Datatype: varchar. • Maxlength: 300. <p>Code:</p> <ul style="list-style-type: none"> • Not required. • Must not be existed. • Datatype: varchar. • Maxlength: 50. <p>Catalg, System, Type, Spec, Brand, Origin, Unit:</p> <ul style="list-style-type: none"> • Must filled. <p>Description:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 5000. <p>Click Save button to creat more attribute as material sub, comment, attachment or see that material in store.</p> | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Code allready exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materiall table in database.</p> <p>Catalg, System, Type, Spec, Brand, Origin, Unit linked from Catalog table in database.</p> |
|--|----------------------|--|--|

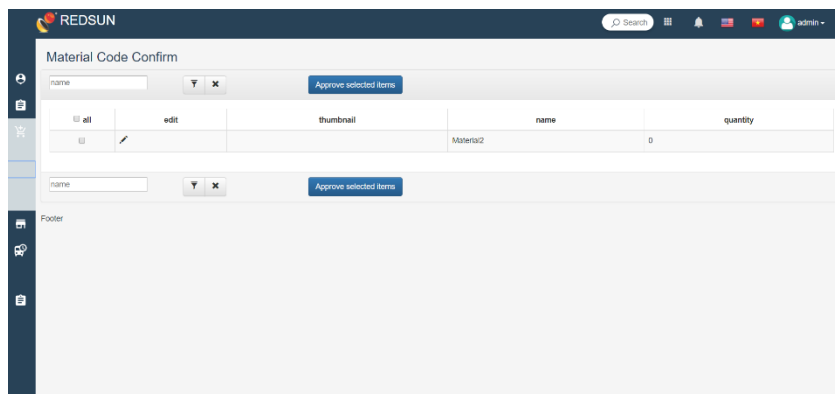
| | | | |
|--|------------------------------------|--|---|
| | <p>See material in used</p> | <p>Click on material want to see. Click on Store tab.</p> | <p>Show all Material information in used.</p> |
| | <p>Add Attachment</p> | <p>Click on material want to see. Click on Attachment tab. Click Choose file button Choose file from user devices for more detailing.</p> | <p>The data will save in attachment table in database</p> |
| | <p>Add Material Sub</p> | <p>Click on material want to add. Click on Material Sub tab. Click Create button. Filled the data. Thumbnail: <ul style="list-style-type: none"> • Not required. • Choose picture file for material from user device (laptop, destop, mobile phone, tablet, . . .). Name: <ul style="list-style-type: none"> • Must filled. • Must not be existed. • Datatype: varchar. • Maxlength: 300. Code: Automatically created according to the type-spec-brand principle . Spec, Unit:</p> | <p>If: <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Code allready exists. • Lack of data. →Show error message. If not: →Data will be saved to the in database. Spec, Unit linked from Catalog table in database.</p> |

| | | | |
|--|-----------------------------------|--|---|
| | | <ul style="list-style-type: none"> • Must filled. <p>Description:</p> <ul style="list-style-type: none"> • No need to filled. • Datatype: varchar. • Maxlength: 5000. <p>Click Save button to save and show more function for add detailing.</p> | |
| | Import materials from file | <p>Click on Import materials from file button.</p> <p>Choose materials file(.csv) from user devices.</p> | <p>Auto save materials from file user import to database.</p> <p>Auto check name and code if already exists will be delete that material.</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→Data change and version +1</p> |

j. Approval Material

i. Introduction

The newly created materials cannot be used immediately but must wait for the approval function to avoid each site using a different name for one material.



ii. Processing

| | | | |
|----------------------------|-----------------|--|--|
| Describe | | Functions: Approval Material. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Material Management → Approval Material. | Show all Material information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data. | Show combobox to show more detail. |
| | Approval | <ul style="list-style-type: none"> • Click Approve selected items button. • Choose one or many materials want to approve. | <p>Show combobox to confirm.</p> <p>If name of code duplicated, system will show error message.</p> <p>If no error all data will be ready for using.</p> |

k. Pre-Material

i. Introduction

Representing the number of calculated materials, expected to be available.

ii. Processing

| | | | |
|----------------------------|---------------------------------|--|--|
| Describe | | Functions: display, add, edit, delete, assign or deny. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Material Management → Pre Material. Choose List View or Card View. | Show all information of Pre Material forms (status (Created, Approving or Received), name, code, total amount of materials, form date...). |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> Returns results with the order user choose. Recent Name Code Form date Total amount |
| | Create Pre-Material Form | Click Create Button. Fill the data: <ul style="list-style-type: none"> Input new code and name (required). Choose Form Date (required). | If: <ul style="list-style-type: none"> Wrong syntax. Name/Code already exists. Lack of data. |

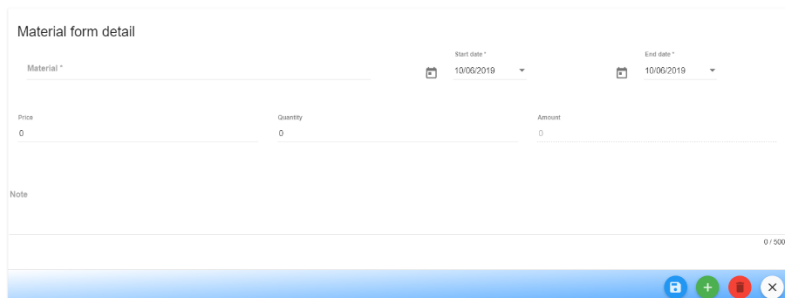
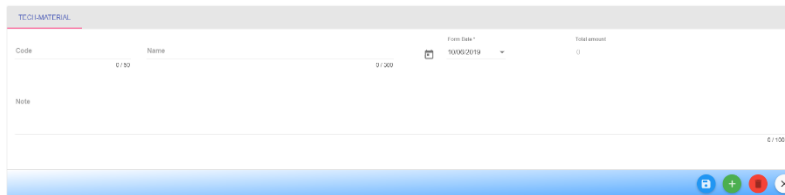
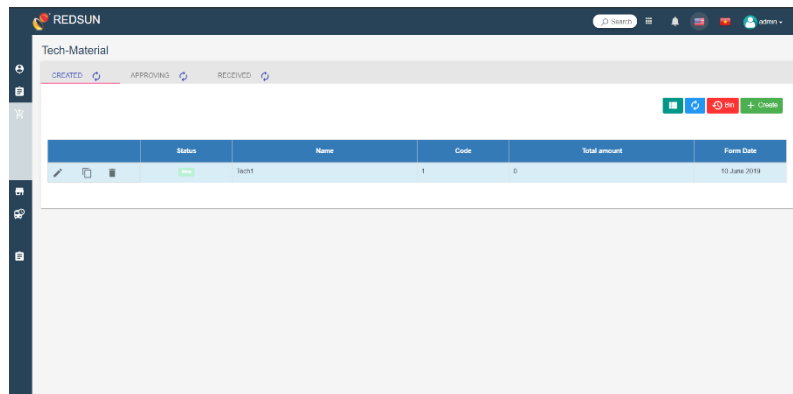
| | | | |
|--|---|--|---|
| | | <ul style="list-style-type: none"> • Add information in Note. | <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Materialform table in database with Pre-Material scope.</p> |
| | <p>Create Pre-Material Detail Form</p> | <p>Click Tab Pre-Material Detail.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material. • Input quantity of material (required). • Input price of material (option). • Choose Start/End Date (required). • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • End Date before Start Date. • Lack of data. <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Materialformdetail table in database with Pre-Material scope.</p> |
| | <p>Delete</p> | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes → move data into recycle bin.</p> <p>Click No → back to main screen .</p> |
| | <p>Delete Forever</p> | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be delete from database</p> <p>Click No → back to recycle bin screen</p> |

| | | | |
|--|----------------|---|--|
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and status +1</p> |

1. Tech-Material

i. Introduction

Showing the number of materials statistics from the drawing.



ii. Processing

| | | | |
|----------------------------|----------------------------------|--|--|
| Describe | | Functions: display, add, edit, delete, assign or deny. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Material Management → Tech Material. Choose List View or Card View. | Show all information of Tech Material forms (status (Created, Approving or Received), name, code, total amount of materials, form date...). |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> • Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Recent • Name • Code • Form date • Total amount |
| | Create Tech-Material Form | Click Create Button. Fill the data: <ul style="list-style-type: none"> • Input new code and name (required). • Choose Form Date (required). | If: <ul style="list-style-type: none"> • Wrong syntax. • Name/Code already exists. • Lack of data. →Show error message. |

| | | | |
|--|--|---|--|
| | | <ul style="list-style-type: none"> • Add information in Note. | <p>If not:</p> <p>→Data will be saved to the Materialform table in database with Tech-Material scope.</p> |
| | <p>Create Tech-Material Detail Form</p> | <p>Click Tab Tech-Material Detail.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material. • Input quantity of material (required). • Input price of material (option). • Choose Start/End Date (required). • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • End Date before Start Date. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materialformdetail table in database with Tech-Material scope.</p> |
| | <p>Delete</p> | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | <p>Delete Forever</p> | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |

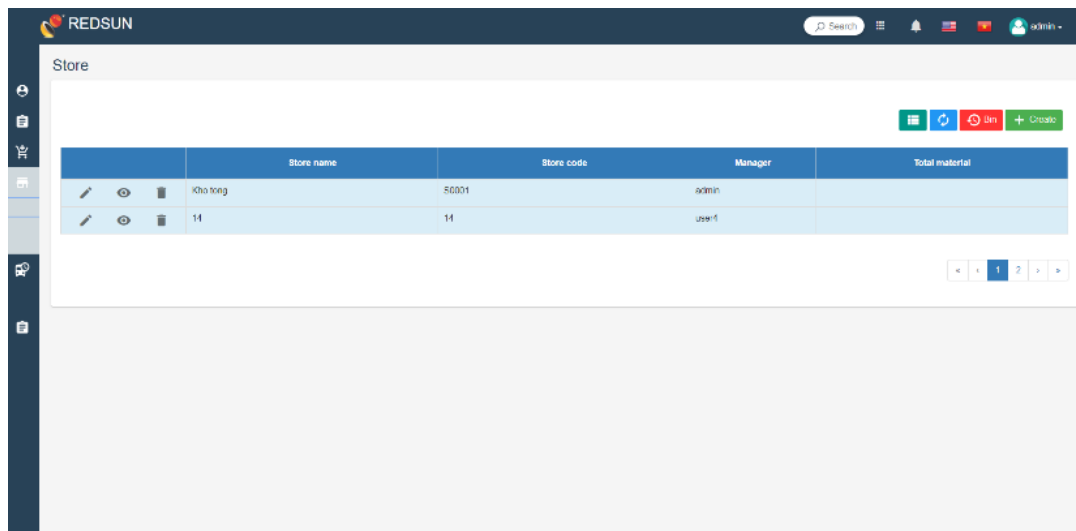
| | | | |
|--|----------------|---|--|
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and status +1</p> |

9.2.4. Store Management

m. Store

i. Introduction

Manage the information of Warehouses.



The screenshot shows a web form titled "Store". It contains four input fields: "Manager *" (required), "Store code" (with a 0/50 character limit), "Store name" (with a 0/300 character limit), and "Note" (with a 0/1000 character limit). At the bottom right of the form, there are four circular icons: a green square, a blue plus sign, a red trash can, and a white close button.

ii. Processing

| | | | |
|----------------------------|----------------|--|---|
| Describe | | Functions: display, add, edit, delete. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Store Management → Store. Choose List View or Card View. | Show all Store information (name, code, manager, quantity of materials). |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. • Choose Name → Sort alphabetically of Name. |

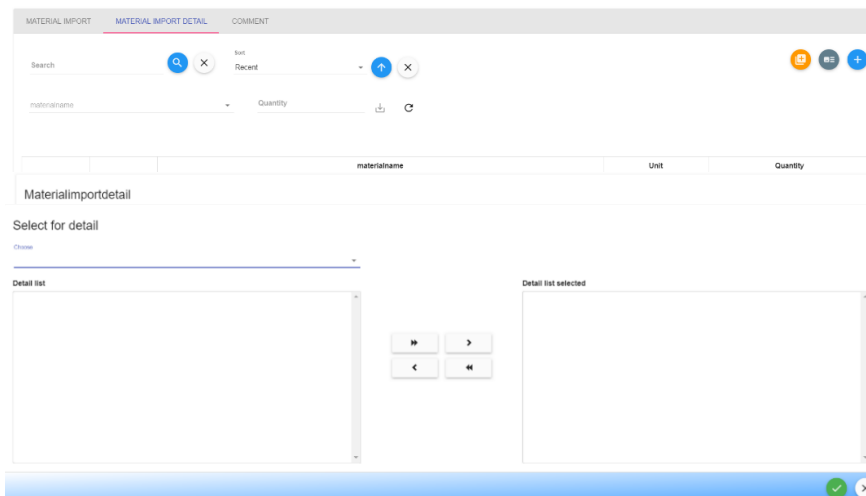
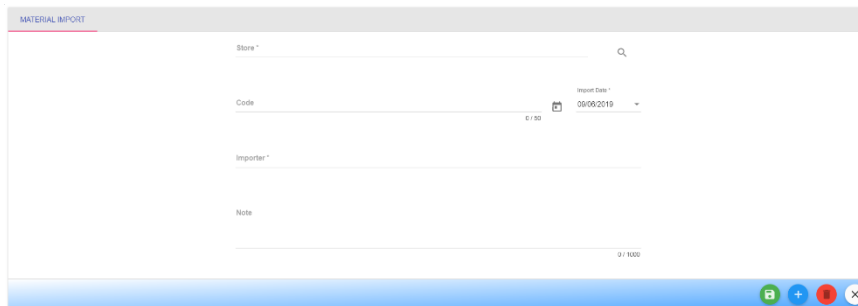
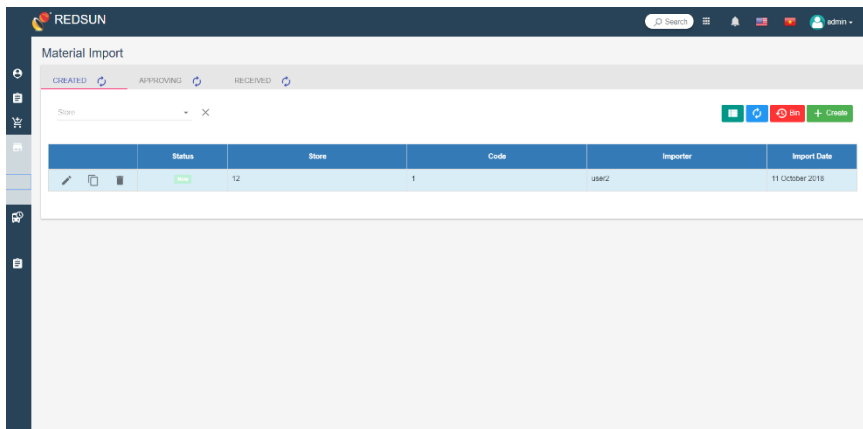
| | | | |
|--|-----------------------|--|---|
| | | | <ul style="list-style-type: none"> Choose Recently → Sort with updatedate. |
| | Create | <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> Choose Manager of Store Input new code name of store (required) Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> Wrong syntax. Name already exists. Lack of data. <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Store table in database.</p> |
| | Delete | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes → move data into recycle bin.</p> <p>Click No → back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> Click Recyce bin button. Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be delete from database</p> <p>Click No → back to recycle bin screen</p> |
| | Restore | <ul style="list-style-type: none"> Click Recyce bin button. Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> Click Edit button on the data want to edit. | <p>Show combobox to edit</p> |

| | | | |
|--|--|--|----------------------------|
| | | <ul style="list-style-type: none">• Click Save button. | →Data change and status +1 |
|--|--|--|----------------------------|

n. Material Import

i. Introduction

Manage the information of material import forms, forms must be approved before importing warehousing.



ii. Processing

| | | | |
|----------------------------|------------------------------------|--|---|
| Describe | | Functions: display, add, edit, delete, assign or deny. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Store Management → Material Import. Choose List View or Card View. | Show all information of Material Import forms (status (Created, Approving or Received), name, code, importer, quantity of materials, import date...). |
| | Filter | - Click Filter Box. - Choose Store or input Store name. | Returns results with the import form for that Store you want to search. |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> Returns results with the order user choose. Choose Name → Sort alphabetically of Name. Choose Recently → Sort with update date. |
| | Create Material Import Form | Click Create Button. Fill the data: | If: <ul style="list-style-type: none"> Wrong syntax. Name already exists. |

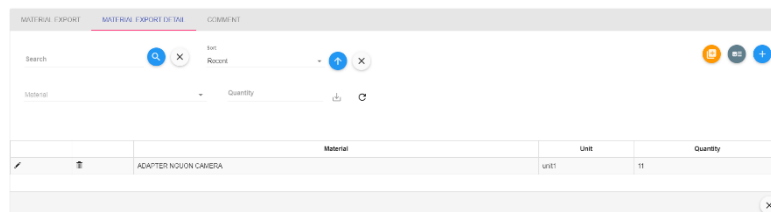
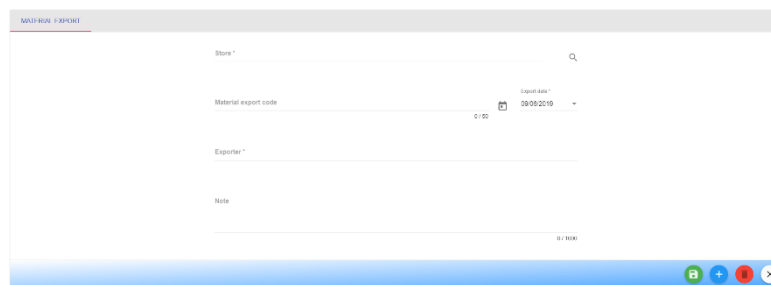
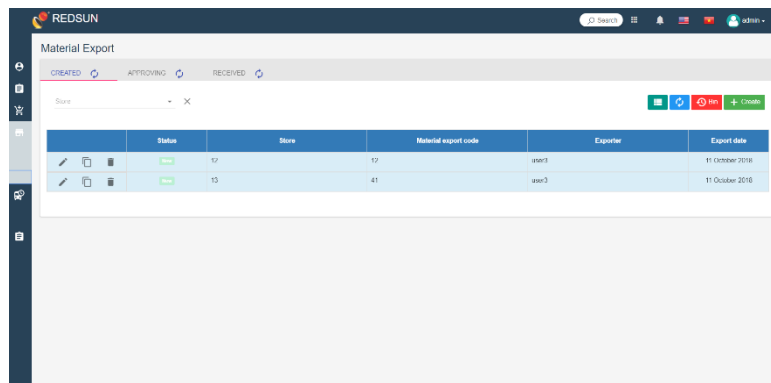
| | | | |
|--|--|---|--|
| | | <ul style="list-style-type: none"> • Choose Store you want to import material • Input code of form, (required) • Choose Import Date & Importer (required) • Add information in Note. | <ul style="list-style-type: none"> • Lack of data. • Not create Material Import Detail. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materialimport table in database.</p> |
| | <p>Create Material Import Detail Form</p> | <p>Click Tab Material Import Detail.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material you want to import. • Input quantity of material (required) • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materialimportdetail table in database.</p> |
| | <p>Delete</p> | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | <p>Delete Forever</p> | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |

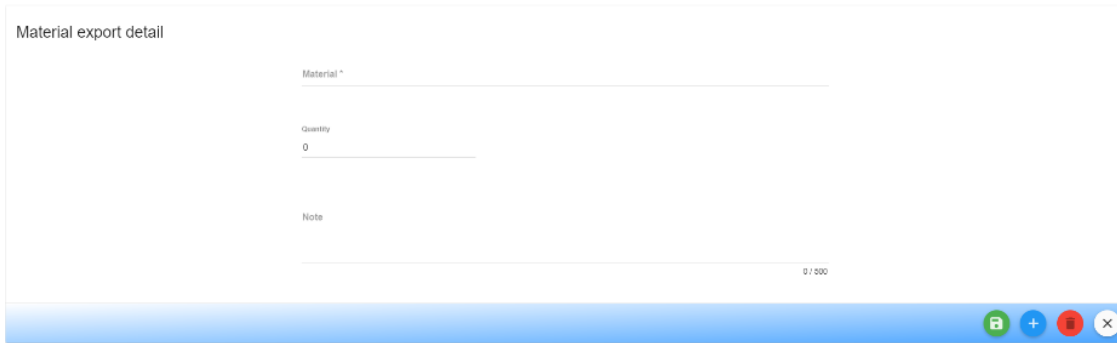
| | | | |
|--|----------------|---|--|
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and status +1</p> |

o. Material Export

i. Introduction

Manage the information of material export forms, forms must be approved before exporting warehousing.





ii. Processing

| | | | |
|----------------------------|----------------|--|---|
| Describe | | Functions: display, add, edit, delete, assign or deny. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Store Management → Material Import. Choose List View or Card View. | Show all information of Material Import forms (status (Created, Approving or Received), name, code, importer, quantity of materials, import date...). |
| | Filter | - Click Filter Box. - Choose Store or input Store name. | Returns results with the import form for that Store you want to search. |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> Returns results with the order user choose. |

| | | | |
|--|--|--|--|
| | | | <ul style="list-style-type: none"> • Choose Name →Sort alphabetically of Name. • Choose Recently→Sort with updatedate. |
| | <p>Create Material Export Form</p> | <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Store you want to export material • Input code of form, (required) • Choose Export Date & Exporter (required) • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. • Not create Material Export Detail. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materialexport table in database.</p> |
| | <p>Create Material Export Detail Form</p> | <p>Click Tab Material Export Detail.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material you want to export. • Input quantity of material you want to export (required) • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materialexportdetail table in database.</p> |
| | <p>Delete</p> | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> |

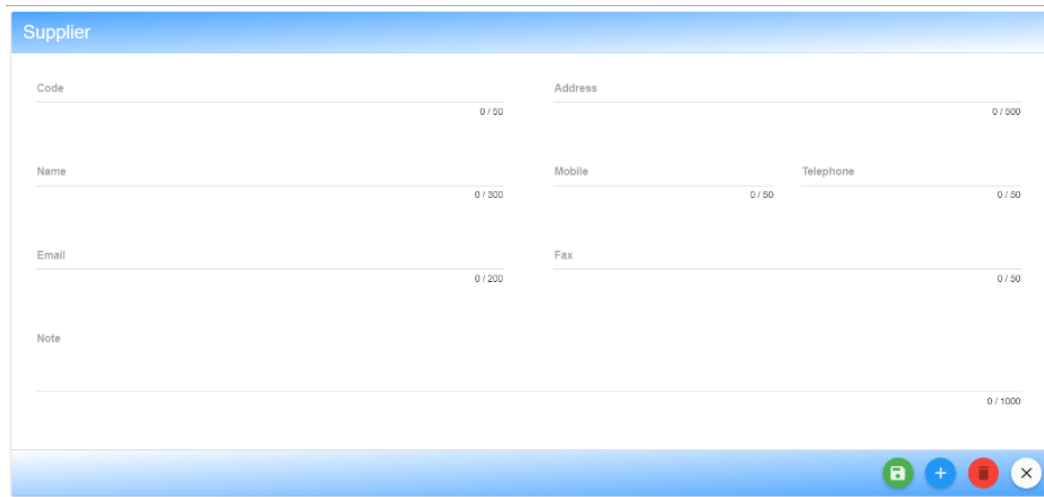
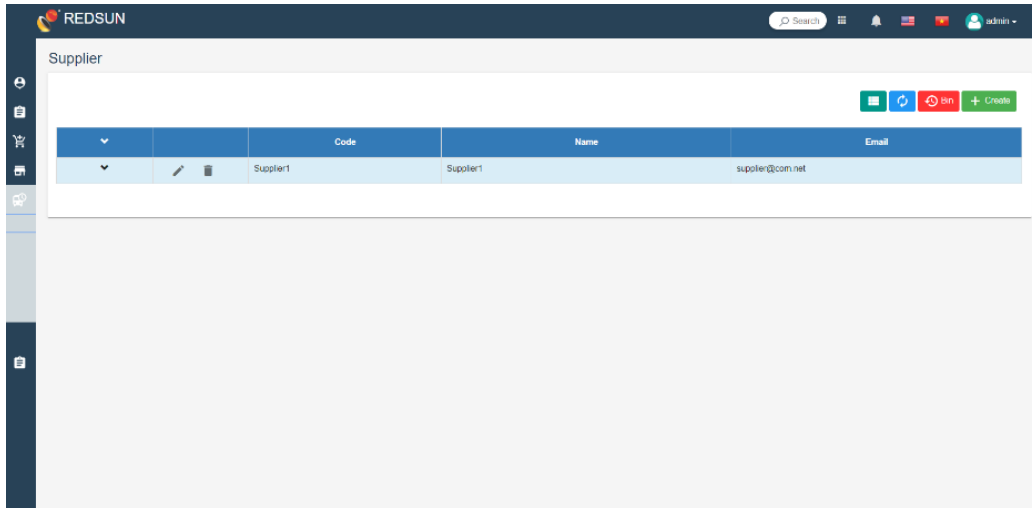
| | | | |
|--|-----------------------|---|---|
| | | | <p>Click Yes → move data into recycle bin.</p> <p>Click No → back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be delete from database</p> <p>Click No → back to recycle bin screen</p> |
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and status +1</p> |

9.2.5. Supplychain Management

p. Supplier Management

i. Introduction

Manage the information of Suppliers.



ii. Processing

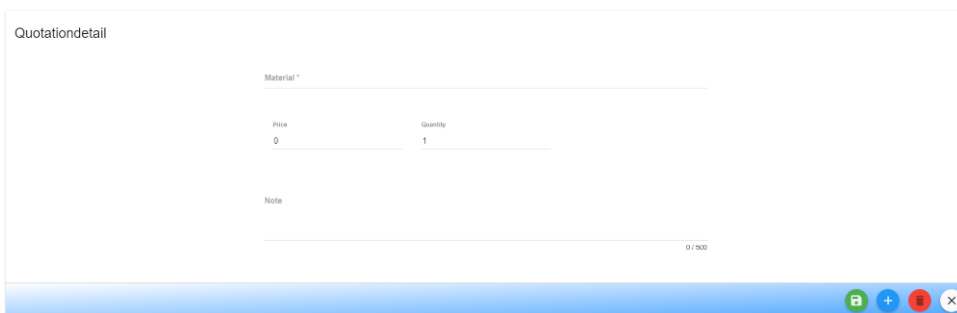
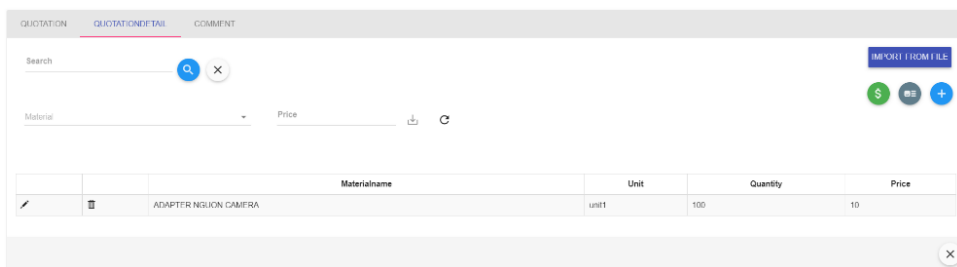
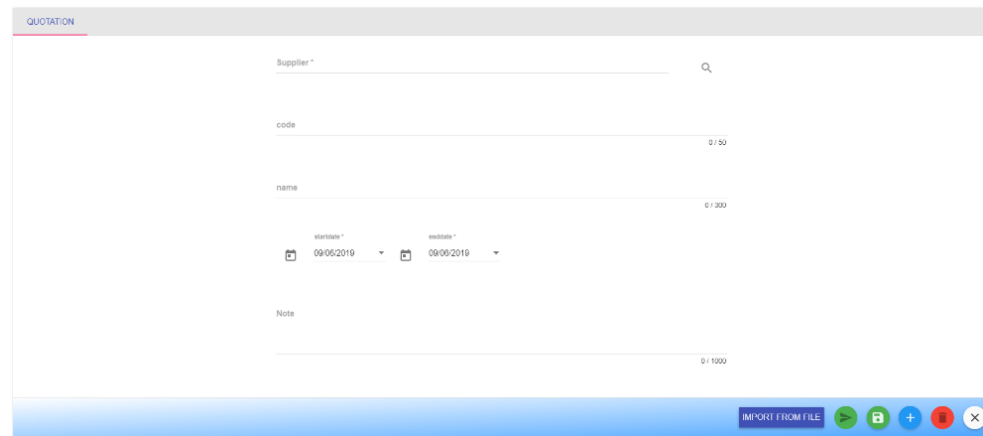
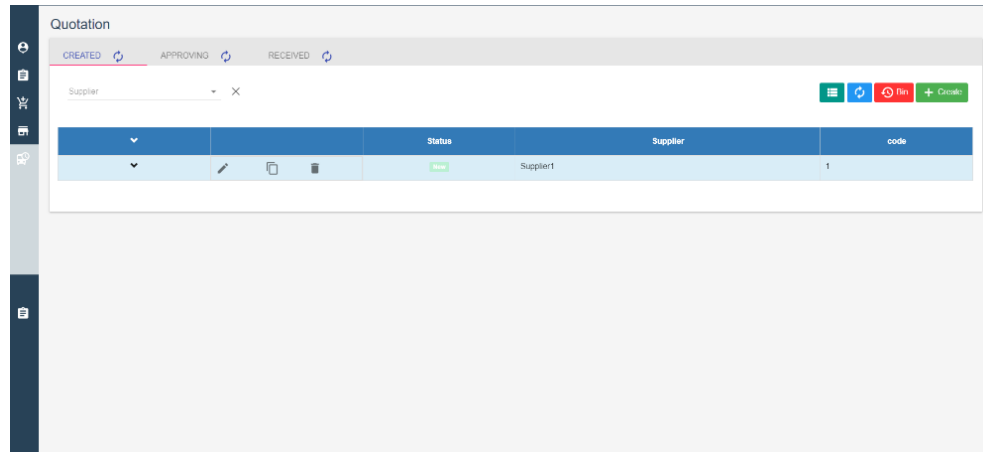
| | | | |
|----------------------------|----------------|--|---|
| Describe | | Functions: display, add, edit, delete. | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Supply Chain Management → Supplier. Choose List View or Card View. | Show all information of Supplier (name, email, tel, address,...). |
| | Filter | - Click Filter Box. - Choose Store or input Store name. | Returns results with the import form for that Store you want to search. |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> Returns results with the order user choose. Choose Name → Sort alphabetically of Name. Choose Recently → Sort with update date. |
| | Create | Click Create Button. Fill the data: code, name & email are required. | If: <ul style="list-style-type: none"> Wrong syntax. Name & code already exists. |

| | | | |
|--|-----------------------|---|--|
| | | | <ul style="list-style-type: none"> Lack of data. <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Supplier table in database.</p> |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes → move data into recycle bin.</p> <p>Click No → back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> Click Recycle bin button. Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be delete from database</p> <p>Click No → back to recycle bin screen</p> |
| | Restore | <ul style="list-style-type: none"> Click Recycle bin button. Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> Click Edit button on the data want to edit. Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and status +1</p> |

q. Quotation

i. Introduction

Manage the information of quotation forms, send materials to Suppliers then they will confirm and quote for us by email.



ii. Processing

| | | | |
|----------------------------|--------------------------|--|---|
| Describe | | Functions: display, add, edit, delete, send mail | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Supply Chain Management → Quotation. Choose List View or Card View. | Show all information of Quotation forms (status (Created, Approving or Received), supplier's name, form code, form name, date of creating...). |
| | Filter | - Click Filter Box. - Choose Supplier or input Supplier's name. | Returns results with the import form for that Supplier you want to search. |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> Returns results with the order user choose. Choose Name → Sort alphabetically of Name. Choose Recently → Sort with update date. |
| | Create & Send | Click Create Button. Fill the data: | If: <ul style="list-style-type: none"> Wrong syntax. Name already exists. |

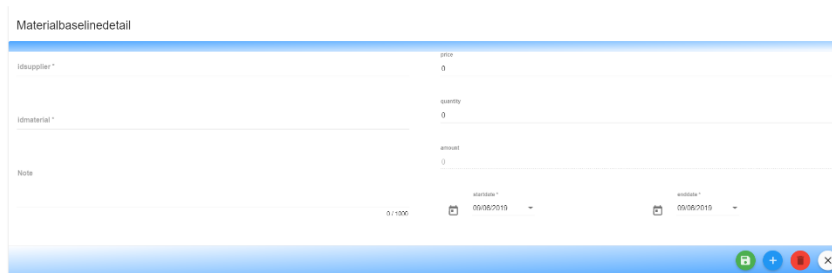
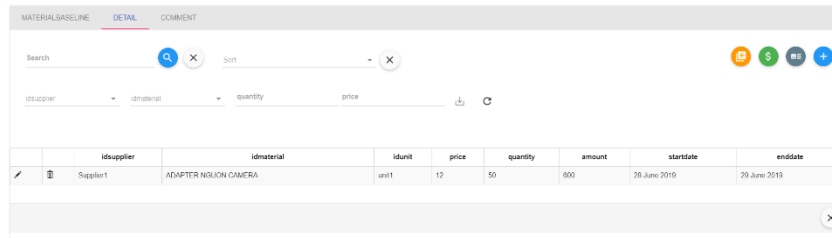
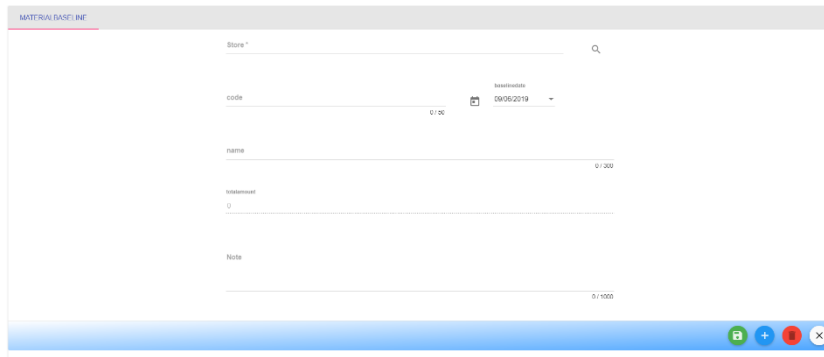
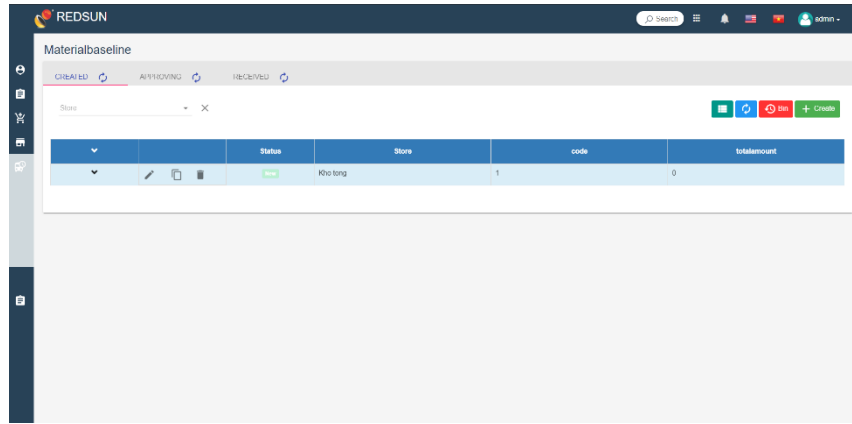
| | | | |
|--|--|--|---|
| | <p>Quotation Form</p> | <ul style="list-style-type: none"> • Choose Supplier you want him to quote for • Input code & name of form (required). • Choose Quotation Date (required) • Add information in Note. <p>Click Save button to save and after creating Quotation Detail form, click Send button to send to supplier by email.</p> <p>Or Click “Import from file” button to create quotation form faster through .csv file.</p> | <ul style="list-style-type: none"> • Lack of data. • Not create Quotation Detail. <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Quotation table in database.</p> |
| | <p>Create Quotation Detail Form</p> | <p>Click Tab Quotation Detail after saving Quotation Form.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material you want to quote for. • Input quantity of material you want to quote for (required) • Add information in Note. <p>Or Click “Import from file” button to create quotation form faster through .csv file.</p> | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→ Show error message.</p> <p>If not:</p> <p>→ Data will be saved to the Quotationdetail table in database.</p> |

| | | | |
|--|-----------------------|---|--|
| | Delete | Click Delete button. | Show combobox to confirm the action. Click Yes→move data into recycle bin. Click No→back to main screen . |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | Show combobox to confirm the action. Click Yes→the data will be delete from database Click No→back to recycle bin screen |
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | Show combobox to confirm the action. Click Yes→the data will be restore Click No→back to recycle bin screen |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | Show combobox to edit →Data change and status +1 |

r. Baseline Material

i. Introduction

Using to finalize the mateias list before handing it over to the purchasing department.



ii. Processing

| | | | |
|----------------------------|------------------------|--|---|
| Describe | | Functions: display, add, edit, delete, send mail | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Supply Chain Management → Baseline Material. Choose List View or Card View. | Show all information of Baseline material forms (status (Created, Approving or Received), store's name, form code, form name, date of creating form...). |
| | Filter | - Click Filter Box. - Choose Store or input Store's name. | Returns results with the import form for that Store you want to search. |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> Returns results with the order user choose. Choose Name → Sort alphabetically of Name. Choose Recently → Sort with update date. |
| | Create Baseline | Click Create Button. Fill the data: | If: <ul style="list-style-type: none"> Wrong syntax. Name already exists. |

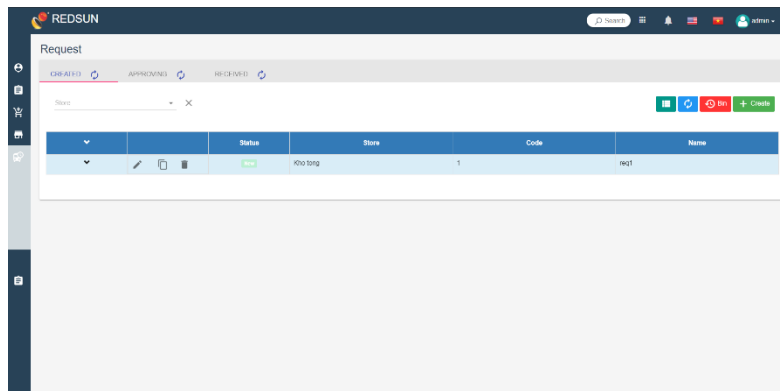
| | | | |
|--|--|--|--|
| | <p>Material Form</p> | <ul style="list-style-type: none"> • Choose Store • Input code & name of form (required). • Choose Date of creating form (required) • Add information in Note. <p>Click Save button to save.</p> | <ul style="list-style-type: none"> • Lack of data. • Not create Quotation Detail. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materialbaseline table in database.</p> |
| | <p>Create Baseline Material Detail Form</p> | <p>Click Tab Baseline Material Detail after saving Baseline Material Form.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material • Input quantity and price of material • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Materialbaselinedetail table in database.</p> |
| | <p>Delete</p> | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | <p>Delete Forever</p> | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |

| | | | |
|--|----------------|---|--|
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and status +1</p> |

s. Request

i. Introduction

Manage the information of request forms, request materials quickly from Site through creating Request form there.



| Material Name | Quantity | Soft Quantity | Work item | Drawing Name | Team name | Delivery Date |
|----------------------|----------|---------------|-----------|--------------|-----------|---------------|
| ADAPTER NGUON CAMERA | 12 | 50 | | | | 2019-08-09 |

ii. Processing

| | | | |
|----------------------------|--|--|---------------|
| Describe | | Functions: display, add, edit, delete... | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |

| | | | |
|--|-----------------------------------|---|---|
| | <p>Display</p> | <p>Click Supply Chain Management → Request. Choose List View or Card View.</p> | <p>Show all information of request forms (status (Created, Approving or Received), store's name, form code, form name, date of creating form...).</p> |
| | <p>Filter</p> | <ul style="list-style-type: none"> - Click Filter Box. - Choose Store or input Store's name. | <p>Returns results with the import form for that Store you want to search.</p> |
| | <p>Search</p> | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. <p>To cancel click Cancel button.</p> | <ul style="list-style-type: none"> • Returns results with characters in the search box. |
| | <p>Sort</p> | <p>Click box sort and choose type of sort.</p> | <ul style="list-style-type: none"> • Returns results with the order user choose. • Choose Name → Sort alphabetically of Name. • Choose Recently → Sort with update date. |
| | <p>Create Request Form</p> | <p>Click Create Button. Fill the data:</p> <ul style="list-style-type: none"> • Choose Store • Input code & name of form (required). • Choose Date of creating form (required) • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. • Not create Quotation Detail. <p>→ Show error message.</p> <p>If not:</p> |

| | | | |
|--|-----------------------------------|--|---|
| | | Click Save button to save. | →Data will be saved to the Request table in database. |
| | Create Request Detail Form | <p>Click Tab Request Detail after saving Request Form.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material • Input quantity of material • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Requestdetail table in database.</p> |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |

| | | | |
|--|-------------|---|---|
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | Show combobox to edit →Data change and status +1 |
|--|-------------|---|---|

t. Extra Request

i. Introduction

Manage the information of extra request forms when actual request missing.

ii. Processing

| | | | |
|----------------------------|----------------|---|--|
| Describe | | Functions: display, add, edit, delete... | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Supply Chain Management → Extra Request. Choose List View or Card View. | Show all information of request forms (status (Created, Approving or Received), store's name, form code, form name, date of creating form...). |
| | Filter | <ul style="list-style-type: none"> - Click Filter Box. - Choose Store or input Store's name. | Returns results with the import form for that Store you want to search. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> • Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> • Returns results with the order user choose. |

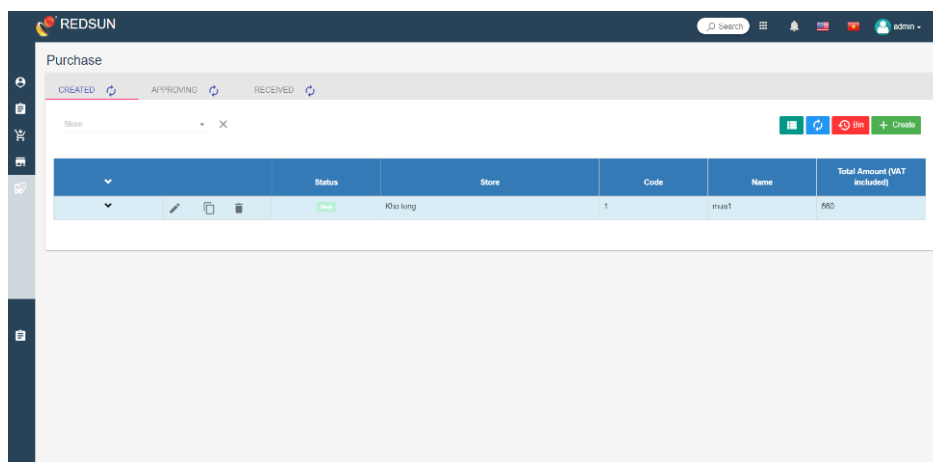
| | | | |
|--|---|--|---|
| | | | <ul style="list-style-type: none"> • Choose Name →Sort alphabetically of Name. • Choose Recently→Sort with update date. |
| | Create Extra Request Form | <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Store • Input code & name of form (required). • Choose Date of creating form (required) • Add information in Note. <p>Click Save button to save.</p> | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. • Not create Quotation Detail. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Request table in database.</p> |
| | Create Extra Request Detail Form | <p>Click Tab Extra Request Detail after saving Extra Request Form.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material • Input quantity of material • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Requestdetail table in database.</p> |
| | Delete | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> |

| | | | |
|--|-----------------------|---|---|
| | | | Click No→back to main screen . |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> <p>Click No→back to recycle bin screen</p> |
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be restore</p> <p>Click No→back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→Data change and status +1</p> |

u. Purchase

i. Introduction

Manage purchase form, after quoting material, purchase form is created to confirm with the supplier and pay for those materials.



PURCHASE

Store * Supplier *

Code 0 / 50 Name 0 / 300 Receiver *

Total Amount (VAT excluded) 0 VAT (%) 0 Total Amount (VAT Included) 0 Contact *

Note 0 / 1000 Contact phone number 0 / 50 Contact fax number 0 / 50

Delivery address 0 / 500 Delivery date * 09/06/2019

PURCHASE **DETAIL** **COMMENT**

Purchasedetail

Search Sort

Material Quantity Price Amount

| | | materialname | Code | Unit | Quantity | Amount |
|----------------------------------|----------------------------------|----------------------|--------------------|------|----------|--------|
| <input type="button" value="p"/> | <input type="button" value="t"/> | ADAPTER NGUON CAMERA | type1_spec1_brand1 | unit | 50 | 600 |

Purchasedetail

Material *

Price 0 Quantity 0 Amount 0

Note 0 / 1000

ii. Processing

| | | | |
|----------------------------|-----------------------------|--|---|
| Describe | | Functions: display, add, edit, delete... | |
| Beginning condition | | Logged in successfully. | |
| Describe the steps | | User Operation | System |
| | Display | Click Supply Chain Management → Purchase. Choose List View or Card View. | Show all information of request forms (status (Created, Approving or Received), store's name, form code, form name, date of creating form...). |
| | Filter | - Click Filter Box. - Choose Store or input Store's name. | Returns results with the import form for that Store you want to search. |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. To cancel click Cancel button. | <ul style="list-style-type: none"> Returns results with characters in the search box. |
| | Sort | Click box sort and choose type of sort. | <ul style="list-style-type: none"> Returns results with the order user choose. Choose Name → Sort alphabetically of Name. Choose Recently → Sort with update date. |
| | Create Purchase Form | Click Create Button. Fill the data: | If: <ul style="list-style-type: none"> Wrong syntax. Name already exists. |

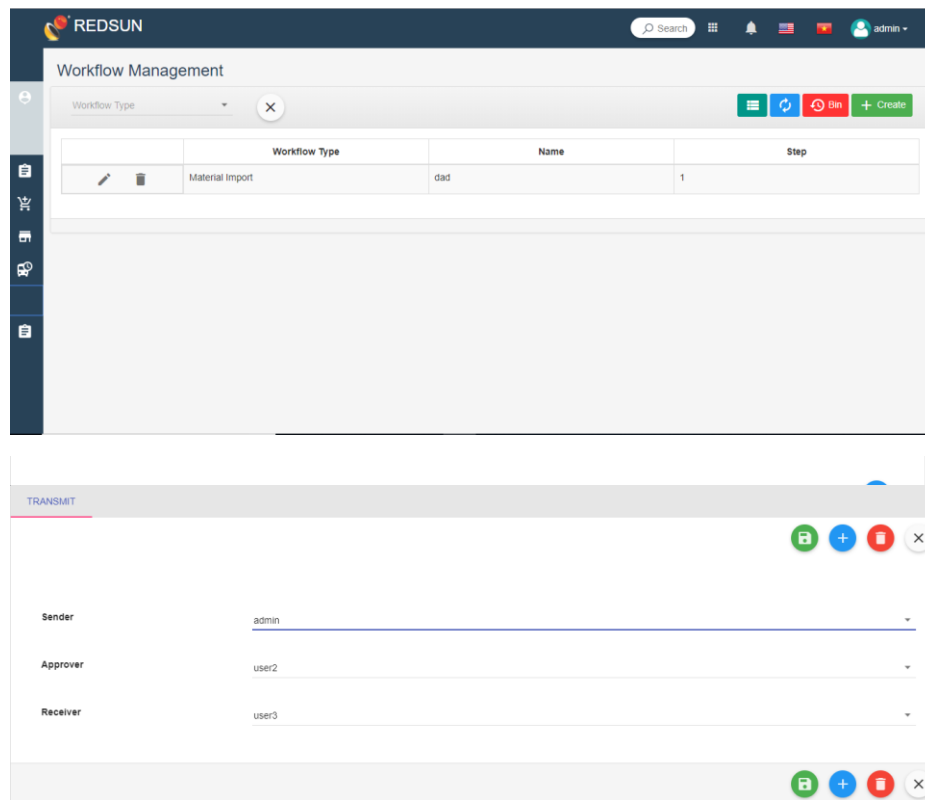
| | | | |
|--|---|---|--|
| | | <ul style="list-style-type: none"> • Choose Store, supplier, contact & receiver (required) • Input code & name of form (required). • Choose Date of creating form (required) • Add information in Note. <p>Click Save button to save.</p> | <ul style="list-style-type: none"> • Lack of data. • Not create Quotation Detail. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Purchase table in database.</p> |
| | <p>Create Purchase Detail Form</p> | <p>Click Tab Purchase Detail after saving Purchase Form.</p> <p>Click Create Button.</p> <p>Fill the data:</p> <ul style="list-style-type: none"> • Choose Material • Input quantity of material • Add information in Note. | <p>If:</p> <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Purchasedetail table in database.</p> |
| | <p>Delete</p> | <p>Click Delete button.</p> | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |
| | <p>Delete Forever</p> | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | <p>Show combobox to confirm the action.</p> <p>Click Yes→the data will be delete from database</p> |

| | | | |
|--|----------------|---|--|
| | | | Click No → back to recycle bin screen |
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | <p>Show combobox to confirm the action.</p> <p>Click Yes → the data will be restore</p> <p>Click No → back to recycle bin screen</p> |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | <p>Show combobox to edit</p> <p>→ Data change and status +1</p> |

9.2.6. Workflow management:

iii. Introduction:

Transportation management processes stock



iv. Processing

| | | | |
|----------------------------|----------------|---|--|
| Describe | | Functions: display, add, edit, delete. | |
| Beginning condition | | Logged in successfully. User have been permitted . | |
| Describe the steps | | User Operation | System |
| | Display | Click Workflow Management → Workflow type. | Show all information. |
| | Search | <ul style="list-style-type: none"> - Click Search Box. - Choose type stock. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Create | Click create button <ul style="list-style-type: none"> - Choose work flow type - Input information in code fill. - Input information in name fill - Input information in step fill - Input information in duration fill (only import number) Click save button | If: <ul style="list-style-type: none"> • Wrong syntax. • Name already exists. • Lack of data. →Show error message. If not: →Data will be saved to the Workflow table in database with scope . Returns results successfully and display stock in list |

| | | | |
|--|-----------------------|---|--|
| | | | |
| | Delete | Click Delete button. | Show combobox to confirm the action. Click Yes→move data into recycle bin. Click No→back to main screen . |
| | Delete Forever | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Delete button on the data want to delete. | Show combobox to confirm the action. Click Yes→the data will be delete from database Click No→back to recycle bin screen |
| | Restore | <ul style="list-style-type: none"> • Click Recycle bin button. • Click Restore button on the data want to restore to use. | Show combobox to confirm the action. Click Yes→the data will be restore Click No→back to recycle bin screen |
| | Refresh | <ul style="list-style-type: none"> • Click refresh button. | Refresh current page successfully |
| | Edit | <ul style="list-style-type: none"> • Click Edit button on the data want to edit. • Click Save button. | Show combobox to edit →Data change and status +1 |

v. Processing (Tranmit)

| | | | |
|-----------------------------|-----------------|--|---|
| Describe | | Functions: Choose approver , sender | |
| Beginning condiction | | Already have a stock. | |
| Describe the steps | | User Operation | System |
| | Sender | Choose sender → Sender. | If: <ul style="list-style-type: none"> • Same name. • Lack of data. →Show error message. If not: →Data will be saved to the Transmit table in database with scope . |
| | Search | - Click Search Box. - Input data. - Enter/Click Search button. - To cancel click Cancel button. | Returns results with characters in the search box. |
| | Approver | Choose approver →Approver. | If: <ul style="list-style-type: none"> • Same name. • Lack of data. →Show error message. If not: →Data will be saved to the Transmit table in database with scope . |

| | | | |
|--|-----------------|----------------------------|---|
| | | | (Approver and reciever can be same name) |
| | Receiver | Choose receiver →Receiver. | <p>If:</p> <ul style="list-style-type: none"> • Same name. • Lack of data. <p>→Show error message.</p> <p>If not:</p> <p>→Data will be saved to the Transmit table in database with scope .</p> <p>(Receiverr and sender can't be same name)</p> |
| | Delete | Click Delete button. | <p>Show combobox to confirm the action.</p> <p>Click Yes→move data into recycle bin.</p> <p>Click No→back to main screen .</p> |