

VAN LANG UNIVERSITY  
FALCUTY: INFORMATION TECHNOLOGY

**COURSE ENDING EXAMINATIONS**  
**Semester 2<sup>nd</sup>, 2023 – 2024**

Course code: 72ITSE40703

Course name: Advanced Mobile Programming

Section class group code: 232\_72ITSE40703\_01

Time to work (minutes/day): 06 weeks.

Exam format: **Team project.**

**How to submit assignments (Teachers specify requirements):**

- Upload project document (word, excel, pdf...).
- Upload source code.
- Presentation **1<sup>st</sup> time**, not 2<sup>nd</sup> time

**Topic:** Student groups have two options:

1. The group proposed a topic that ensured the technical requirement was to use the flutter framework to connect the firebase database and each member contributed function of managing 2 tables in the database.
2. Suggested topics: Fashion app by flutter framework,  
The Believe company wants to build a mobile application, to promote and sell fashion products. Application includes functions such as:
  - \_ Staff: manage post, product, category, account, order...; report sales, products...
  - \_ Customer: register, log-in/log-out, rating /comment post, view detail products, add cart, order...
  - \_ Guest: view post, product, register.
 Project plan:
  - \_Week 04<sup>th</sup>- 06<sup>th</sup>: using, analyzing the functions of similar applications, thereby recommending functions list, business process for the application, design prototype by figma tool.
  - \_Week 07<sup>th</sup>: develop GUI flutter project, git-hub.
  - \_Week 08<sup>th</sup> - 09<sup>th</sup>: design firebase real-time database, connect flutter project.
  - \_Week 10<sup>th</sup>: finish project
  - \_Week 12<sup>th</sup>: presentation

**Guide students to present:** The results of the project included:

- \_requirements description document (word, excel),

\_ interface design (link fig-ma project),

\_ manual documents,

\_ link git hub, source code (zip)

Submit to subject eLearning page on week 11<sup>th</sup>

**Scoring criteria and scale (Rubric):**

<b>Rubric 3: Team Project 50%</b>					
<b>Criteria</b>	<b>Weight (%)</b>	<b>Excellent From 8p – 10p</b>	<b>Good From 6p – less than 8p</b>	<b>Average From 5p – less than 6p</b>	<b>Fail under 5p</b>
<b>Document Presentation</b>	10	Document well presented, clear, well formatted	Document font format is not uniform	The unedited format document also shows a reference link	Missing title content
<b>Description of the project</b>	20	Compare similar apps. Recommend a solution. Function List	Function List	Compare similar apps. Recommend a solution.	Compare similar apps.
<b>Source Code</b>	60	Code executes as required, complete more than 80% of the workload	Code executes as required, complete more than 60% of the workload	Code executes as required, complete more than 50% of the workload	Code does not execute, does not execute correctly
<b>Presentation</b>	10	The layout is clear and logical. Full content on request Clear, attractive presentation Use professional means	The layout is clear and logical. Full content on request Clear, attractive presentation	The layout is clear and logical. Full content on request	Full content on request
	100%				

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**Lecturers prepare exam: Tran Cong Thanh**

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**Head (Deputy) Faculty/Department: Bui Minh Phung**