

VAN LANG UNIVERSITY
 UNIT: FACULTY OF INFORMATION TECHNOLOGY

EXAM QUESTIONS/QUESTIONS, RUBRICS AND SCALES
END-OF-COURSE EXAM
 Semester 1, Academic Year 2024-2025

| | | | |
|-------------------------------------|---|--------------------|------|
| I. General Information | SOFTWARE DEVELOPMENT PLATFORMS | | |
| Module Name: | | | |
| Module Code: | 72ITDS30103 | Number of Credits: | 3 |
| Module class group code: | 241_72ITDS30103_01 | | |
| Exam format: Group Projects | Exam time: | 3 | Week |
| <input type="checkbox"/> Individual | <input checked="" type="checkbox"/> Group | | |
| <i>File naming specifications</i> | <i>TeamXY_Project Name</i> | | |
| <i>NO 2 TIMES</i> | | | |

II. Exam requirements to meet CLO*(Phần này phải phối hợp với thông tin từ đề cương chi tiết của học phần)*

| CLO symbol | CLO Content | Assessment form | CLO weighting in the evaluation component (%) | Number Exam Questions | Scores maximal | Acquisition of attainment measurement data PLO/PI |
|-------------------|--|------------------------|--|------------------------------|-----------------------|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) |
| CLO1 | Propose knowledge about cloud computing service models. | Report | 10 | | 1 | PI.4.1 |
| CLO2 | Build software development solutions applying new technology of the model cloud computing services. | Report | 20 | | 2 | PI.4.1 |
| CLO3 | Establish requirements for new technologies on the cloud computing platform to support students in orienting their future major subjects. | Report | 60 | | 6 | PI.4.3 |
| CLO4 | Use the virtual environment to practice installing and working with application software applications in code, databases, computer networks, IoT, artificial intelligence and machine learning on cloud computing platform | Báo cáo | 10 | | 1 | PI.5.2 |
| | | | | 100% | 10 | |

III. Topic content

1. Topics

• Each student team chooses a topic for the final project (group ≤ 2) according to the suggestions below: (based on the MS Azure/ Google/ AWS/ Salesfore/ cloud computing model)

- Using Virtual Machines
- Build a Chatbot
- Machine learning
- Web 3/ Smart Web
- Build App Sales, ...
- API, Build Web API
- Blockchain, AI, Buil AI with App, ...
- Azure Kubernetes Service, Docker containers, ...

2. Project plan:

- Week 08th - 09th: design firebase real-time database, connect flutter project.
- Week 10th: finish project
- Week 11th: presentation

2. Guidelines for the format of presenting the question

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 11th

3. Rubric and scale

| Rubric 3: Team Project 40% | | | | | |
|-----------------------------------|------------|---|-------------------------------------|--|-----------------------|
| Criteria | Weight (%) | Excellent From 8p – 10p | Good From 6p – less than 8p | Average From 5p – less than 6p | Fail under 5p |
| Document Presentation | 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 |
| Description of the project | 20 | Compare similar apps. Recommend a solution. Function List | Function List | Compare similar apps. Recommend a solution. | Compare similar apps. |

| | | | | | |
|--------------|------|---|---|---|---|
| Source Code | 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 |
| Presentation | 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% | | | | |

Moderator

(Approved)

Bui Minh Phung

Ho Chi Minh City, 30.10.2024

Lecturers



Trần Công Thành