

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	ADVANCED MOBILE PROGRAMMING		
Module Name:			
Module Code:	71ITSE30703	Number of Credits:	3
Module class group code:	241_71ITSE30703_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	Describe the basic components of cross-platform programming.	Report	10 %		1	PI.3.1
CLO2	Proficiently use Android Studio software to source code, compile, package, test, and debug mobile programs using the flutter framework.	Report	10%		2	PI.4.3
CLO3	Build a cross-platform app that meets real-world needs.	Report	60%		6	PI.5.2
CLO4	Present a plan to solve the problem in the right focus and practical related to mobile	Báo cáo	20%		2	PI.8.2
			100%		10	

III. Topic content

1. Topics

- Each student team chooses a topic for the final project (group ≤ 3 members) that ensured the technical requirement was to use the flutter framework to connect the firebase database and each member contributed function of managing (CRUD) 2 tables in the database

2. Project plan:

- _ Week 07th:
 - using, analyzing the functions of similar applications, thereby recommending functions list, business process for the application, design prototype by **fig-ma** tool.
 - develop GUI flutter project, **git-hub**.
- _ Week 08th: design firebase real-time database, connect flutter project.
- _ Week 9th – 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 50%					
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	10	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	20	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



ThS. Lý Thị Huyền Châu

Ho Chi Minh City, 01.11.2024

Lecturers

