

TRƯỜNG ĐẠI HỌC VĂN LANG
 ĐƠN VỊ: CÔNG NGHỆ THÔNG TIN

ĐỀ THI/ĐỀ BÀI, RUBRIC VÀ THANG ĐIỂM
THI KẾT THÚC HỌC PHẦN
Học kỳ 3, năm học 2023-2024

I. Thông tin chung

Tên học phần:	KỸ THUẬT LẤY YÊU CẦU (Requirements Engineering)		
Mã học phần:	72ITSE41103	Số tín chỉ:	3
Mã nhóm lớp học phần:	233_72ITSE41103_01		
Hình thức thi: Đồ án	Thời gian làm bài:	7	ngày
<input type="checkbox"/> Cá nhân	<input checked="" type="checkbox"/> Nhóm		
<i>Quy cách đặt tên file</i>	<i>[Group name]_Final Project_RE</i>		

1. Format đề thi

- Font: Times New Roman
- Size: 13
- Quy ước đặt tên file đề thi/đề bài:
- + **Mã học phần**_Tên học phần_Mã nhóm học phần_TIEUL

2. Giao nhận đề thi

Sau khi kiểm duyệt đề thi, đáp án/rubric. **Trưởng Khoa/Bộ môn** gửi đề thi, đáp án/rubric về Trung tâm Khảo thí qua email: khaothivanlang@gmail.com bao gồm file word và file pdf (*nén lại và đặt mật khẩu file nén*) và nhắn tin + họ tên người gửi qua số điện thoại **0918.01.03.09** (Phan Nhất Linh).

II. Các yêu cầu của đề thi nhằm đáp ứng CLO

Ký hiệu CLO	Nội dung CLO	Hình thức đánh giá	Trọng số CLO trong thành phần đánh giá (%)	Câu hỏi thi số	Điểm số tối đa	Lấy dữ liệu đo lường mức đạt PLO/PI
(1)	(2)	(3)	(4)	(5)	(6)	(7)
CLO 1	Propose a list of requirements for the IT product to meet the needs of stakeholders, especially customers and users.	Project report	35%	1, 2,3	10	PI2.1
CLO 2	Specify the list of requirements for the IT product in order of priority, from high to low, in relevant documents to fulfill the needs of stakeholders, particularly customers and users.	Project report	30%	4,5	10	PI4.1
CLO 3	Proficiently utilize tools to model requirements and prototype IT products during the requirement gathering phase.	Project report & Presentation	10%	2, 3	10	PI5.1
CLO 4	Clearly and accurately express the content of IT product requirements for stakeholders to understand and confirm.	Project report & Presentation	15%	4	10	PI6.3
CLO 5	Demonstrate a proactive attitude in updating relevant knowledge to construct IT product requirements that meet the needs of stakeholders.	Project report	10%	1	10	PI10.1

III. Nội dung đề bài

1. Đề bài

The project for this course is designed according to a simulated project model, where students work in groups throughout the learning process. This provides an opportunity for students to apply theory to the experience of the Requirements Gathering phase of a software project.

Simulation scenario: The group will participate in a project to develop a software product (choose one from the list provided by the instructor). The group will experience the requirements gathering phase of this project, applying all the theoretical knowledge learned in this course to build the software requirements specification document.

Each group will choose one of the following topics and fill out the registration form for the instructor.

- *Topic 1: The "Thai Thai" restaurant chain currently has 7 branches and needs to build a website to serve the table booking needs of customers, as well as manage orders at each specific branch. The restaurant requires the website to be integrated with ZaloOA to send notifications to customers.*
- *Topic 2: The Skyview Building Management Office currently manages 100 rental offices. They need a system to record and manage the registration, check-in, and check-out process of companies renting offices in the building to ensure security. The system should allow authentication via QR code, send notifications to the receptionist of the company when their client has arrived, and enable video calls if necessary for the company receptionist to verify the client at the check-in desk in the building lobby.*

#	To-do list
1	Define Project Stakeholders Define Business Requirements (Current Situation, Business Problems, Business Needs) Proposed Solution Identify Product Vision
2	Define User Groups/Personas/User empathy map
3	Analyze and Model to-be Business Process Analyze and Model User Story Map Build Mockups/Prototypes
4	Write down User stories, Functional Requirements & Quality Attributes into requirements specification
5	Complete Requirements traceability matrix

2. Hướng dẫn thể thức trình bày đề bài

- Summarize all the content into *the Excel Template* provided by the instructor.
- For the Prototype, the team must organize it separately into a folder structure and submit it along with the Excel file.
- Create a slide presentation with the following main contents:
 - Overview of the Product
 - Stakeholders
 - Summary of the Requirements Specification
 - Lesson Learnt - share the key lessons the group learned through this assignment
 - Team members contribution evaluation.
- Each group will:
 - Present (15 minutes)
 - Q&A (10-15 minutes)

3. Rubric và thang điểm

	Rubric 2: Presentation (10%)				
Criteria	Weight (%)	Excellent 100%	Good 75%	Average 50%	Poor <50%
Make good use of IT tools to illustrate information with pictures, diagrams, diagrams instead of using many words.	15%	The content of the slides is presented clearly, with a tight structure, without too many words, showing the strengths of images, diagrams and diagrams to represent information effectively. The drawings are clearly labeled with symbols.			Slides presented sloppily, carelessly, made basic presentation errors, too many words, did not promote the strengths of modeling to bring good effects to the recipients.
Verbal presentation ensures persuasion	35%	All members present, speak clearly and coherently, the presented contents show a close connection and transition, leading to persuade the audience.			Reading slides, presentations cause confusion, or easy to misunderstand information for recipients, discrete content does not show the connection when transitioning presentations between members.
The way in which information is organized in a set of documents describes the	20%	The information presented in the document is clear, logical, understandable, and accurate			Discrete, sketchy information, many errors in document presentation, confusing or

scientific requirements, clearly and accurately.			objectionable to recipients.
Good gesture interaction	15%	Make eye contact, or show good communication and connection with the audience	Only looking at slides or computers, not showing interaction, engaging with listeners
Answer the question satisfactorily	15%	Understand the question and answer satisfactorily, handle the situation well, show respect to the questioner	Unable to answer or having an unsatisfactory attitude and solution to the person asking the question
Total	100		

	Rubric 3: Project (45%)				
Criteria	Weight (%)	Excellent 100%	Good 75%	Average 50%	Poor <50%
Present the full content Introduction about the project, about IT products (Sheet "Overview, Sheet "User Groups")	10%	Present complete and accurate content Introduction about the project, about IT products (Sheet "Overview, Sheet "User Groups")			Missing a piece of content in the request template will deduct 1 point/content
Accurate representation of business processes in the case of IT products (Sheet "Business Process"), and User Story Maps of User Groups with high to low priority	25%	Fully present core business processes and User Story Maps of User groups with high priority			Missing 1 core business process - 2 points Missing 1 User Story Map of an important user group - 5 points
Complete complete and accurate Requirement Description Profile according to specified forms (Product Backlog, Functional Requirements & Quality Attributes)	25%	Requirements are described neatly, completely, accurately, without ambiguity or misrepresentation. Prioritized and interpreted according to the specified templates.			The description of the requirements is sketchy, confusing, inaccurate, incorrect, or misrepresents the requirements. And requests are not prioritized.
Properly set up Requirements Traceability Matrix and explain requirements changes (if any)	5%	Set up Requirements Traceability Matrix, if any requirements change, explain why and manage versions of that requirement.			Do not set the Requirements Traceability Matrix or set it wrong, do not control the change of requirements.

Draw Context Diagram and model Business Processes in accordance with regulations	5%	Context diagrams and Business Processes are modeled accurately, clearly and in accordance with regulations. The drawings are clearly labeled with symbols.	Drawing wrong or not using tools to model information, using too many words instead of images.
Complete set of core prototypes of the product	25%	The product's prototypes are well-completed, well-organized, connected to the User story map, well illustrated with images to help stakeholders understand the product's requirements.	Don't build prototypes or build too sketchy, simple, and not enough content to illustrate the core requirements of the product.
Proactive attitude during group work, continuous learning and improvement	5%	Very active and proactive in collaborating with Lecturers, Teaching Assistants, and customers, willing to learn subject knowledge and related knowledge to complete the project well.	Implementation of the project without serious, superficial, sketchy investment.
Total	100		

TP. Hồ Chí Minh, ngày 22 tháng 7 năm 2024

Người duyệt đề

(đã duyệt)

TS. Bùi Minh Phụng

Giảng viên ra đề



ThS. Nguyễn Đắc Quỳnh Mi