

Introduction to Software Engineering

Project Assignment 2 (PA2)

Due date: 10/11/2024

Total points: 90 points

This is a project assignment which will be submitted by each team.
You have the following documents to be done and submitted.

a – Revised project plan and vision document – 2nd submission (30 points)

- Based on the comments in PA1 you need to update your project plan to fix the issues raised by the TA and make it clearer and more detailed. You need also detail the schedule and other sections with more information that you have now.
- Detail product functional and non-functional requirements, alternatives and competitors, user environments.

Details of what are changed and added must be provided in the Revision History of each document. Changes in the document must be highlighted using the blue font color.

The TA will grade the revised documents based on the following criteria:

- Whether changes are made to reflect the feedback from the TA.
- Whether the revised documents have sufficient content (based on the template provided).

b – Schedule Sprint 2's backlog (10 points)

You are asked to schedule all possible backlog items for Sprint 2. Each backlog item is a work item (task, user story, issue, etc.) that the team will work on. You need to estimate the time needed to complete each item and assign team members to work on each. Everyone has at least one item for Sprint 2.

c – Use-case model (10 points)

Based on the requirements documented in the vision document, model use-cases of the system in forms of use-case diagrams (one or several diagrams). Each diagram includes use-cases, actors and relationships among them. You can use StarUML, Visio or another tool to design the use-case diagram. Place the diagram in the use-case specification document (see below).

d – Use-case specification (35 points)

Detail each use-case in the use-case diagrams by filling the use-case specification document, focusing on name, basic flow, alternative flows, pre-conditions, and post-conditions. Use the template for use-case specification document provided in Moodle.

e – Weekly report (5 points)

Prepare weekly reports for weeks doing this assignment. Fill out the template with all information required.

Submission Rules:

You must copy all documents to the directory named **PA2-Group[GroupId]** and compressed the whole directory to zip/rar file

For example: **PA2-Group01.zip**

Grading Criteria:

The assignment will be graded according to how well your team prepares the required documents using the information your team has at this time. Criteria include:

- English writing: easy to understand, few errors.
- Well-formatted texts, diagrams, charts.
- Level of completeness of the documents, based on the information available at this time.
- Each use-case must have a main flow.
- Use-case diagrams must include key use-cases that match the functional requirements documented in the vision document.

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