

Group Project Assessment Criteria and Guidelines

Software Engineering (CS383)

Semester 471

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Group Project Guidelines

Group Project Assessment Criteria

Part A) Project Management

A1. Documentation, management, and organization of group meetings: agendas and minutes must be organized and uploaded in PDF format. Each member should take turns writing minutes.

A2. Organized repository must be maintained.

Part B) Software Engineering Ethics and Responsibility

B1. Address and document at least four ethics principles and responsibilities in the project (e.g., public safety, user safety).

Part C) Software Process Activities and Models

C1. Choose a suitable software process activity model and provide reasoning, documented in the SDD.

Part D) Software Requirements

D1. System/Software Requirements and Specification (SRS).

D2. Plan for requirements engineering, including methods for gathering, analyzing, and validating requirements (documented in SRS). Include at least one UML use case.

D3. Address at least 8 functional requirements (SRS).

D4. Address at least 4 non-functional requirements (SRS).

D5. Address at least 3 external interface requirements (SRS).

Part E) System/Software Modeling

E1. System/Software Design and Document (SDD).

E2. Use an architecture model to illustrate the system's main components (SDD).

E3. Provide UML diagrams: activity diagram, sequence diagram, and state diagram. Use tools such as Lucidchart or StarUML. Document in SDD.

E4. Provide complete class diagrams of the anticipated system. Document in SDD.

Part F) Project Presentation

F1. Professional presentation (PowerPoint or similar).

F2. Clear and consistent slides.

F3. Effective time management and individual presentation skills.

F4. Ability to discuss and respond to questions.

Group Project Guidelines

1. Allocate 8 group meetings and record attendance.

2. Work collaboratively towards each milestone (SRS, SDD, etc.), noting contributions of each member in a table at the end of each document.

3. Report uncooperative members promptly. Their tasks must be reassigned.

4. Documentation format: Font size 11 (except headings), line spacing 1.15, black font only.

Additional Submission Instructions

You'll need to upload one PDF file for the selected problem, named Project Number (e.g., Project1.pdf).

Important Reminder:

1. Each student must upload his own file, even if it's identical to a classmate's. Ensure everyone submits their work individually!
2. Submitting early and drawing UML diagrams using UML diagram tools are very appreciated (A bonus will be awarded individually!!!)