Group Project Assessment and Criteria
Software Engineering (CS383)
Semester 441

Part A) Project management

A1. Documenting, managing, and organizing meetings. There are two types of meetings: group meetings between group members and client meetings between group members and the client. All meetings' materials must be organized/saved/made available at your repository and documented in PDF format. You can use whatever document editing application (Microsoft office, open office, latex, etc.).
Minutes are the most crucial documents. You must make sure that they are written in detail. Failing to do so may affect your overall marks. Please see the available resources of group project templates for examples and templates of meeting minutes.

A2. Managing tasks and subtasks: assign responsibilities (documented in group meeting minutes as mentioned above). This is extremely important for your assessment as a group and as individuals. Every document/file/work you do must contain your name and student ID somewhere in it (for example a table of contributions would be very appreciated). Documents that don't have that information may be considered not valid.

A3. Managing resources and time allocation (documented in group meeting minutes)

A4. Organizing repository (organized at your repository)

Part B) Software process activities and models

B1. Choosing software process activity model with reasoning (documented in meeting minutes and **SDD**)

Part C) Requirements

C1. Documenting requirements and specifications (documented in SRS)

C2. Planning for requirements engineering, including methods used for gathering, analysis, and validation of requirements (documented in group meeting minutes and SRS)

C3. Addressing any functional requirements (documented in SRS)

C4. Addressing any non-functional requirements (documented in SRS)

C5. Identifying metrics used for any non-functional requirements (documented in SRS)

Part D) System/software modeling

D1. SDD documentation

D2. Using an architecture model and illustrating the main components of the system (documented in SDD)

D3. Using UML models (case-textual-only-activity, sequence, and state diagrams) using modeling tools such as Lucidchart, yEd, StarUML, etc. (documented in SDD). There are two situations:

- The client selects the required services to be modeled according to the SRS document.
- Class diagrams must be made for all system components, and objects must be completed and represented in SDD.

D4. Describing data flow and processing using DFD of necessary selected operations/functionality by the clients from the SRS document (models must be documented in SDD)

Part E) Software implementation

E1. Code implementation (only) uploaded to your repository. The code should reflect the model

designs mentioned in stage D (most importantly, the class diagram).

E2. Well code documentation and very descriptive API (organized at your repository)

E3. Using fundamental design patterns (organized at your repository)

Part F) Project presentation

The presentation should cover your software aspects such as main functionalities, task management and reallocation, project planning and schedule, any challenges and how you overcome them, and important diagrams of your system.

F1. Professional like presentation (PowerPoint or alternative document of presentation slides)

F2. Present within 10 mins and leave 5 mins for discussions.

F3. Clear objectives and goals of presentation

F4. Time management of presentation

F5. Discussion and handling of questions