ITCS371 Introduction to Software Engineering
Faculty of Information and Communication Technology

Project Phase 1, Semester 1/2023

Score: 7 points

Submission Date:

Sunday 24th September, 2023 @ 23:55 via GitHub

Presentation date (Q&A):

Section 1: 29 September 2023 @ 13.00 – 16.00
Section 2: 27 September 2023 @ 09.00 – 12.00
Section 3: 28 September 2023 @ 09.00 – 12.00

Project Phase 1: Requirements Analysis

For this phase, take the requirements identified in Phase 0 and enhance them using use case modeling and context diagrams. It's crucial to provide all the deliverables specified below. In addition, summarize your work in a video presentation. A Q&A session with the instructors will be conducted during class to address any queries and provide clarity on your submissions.

The expected outputs

Item	Minimum expectation
Functional requirements (revised)	20 requirements
Non-functional requirements (revised)	10 requirements
Identifying actors	At least 2 -- based on requirements
Use case diagram	Cover all functional requirements
Use case narrative	3 main use cases

Data flow diagram Level 0 - context diagram	Align with the requirements and use cases
Quality of the VDO recording of your presentation (see the details below)	
Bonus: Include additional components that involve the integration or utilization of cutting-edge technologies in the analysis.	

Note:

- Detailed instructions for each deliverable will be provided during the class sessions that cover the related content.
- You are allowed to revise the content that you submitted in Phase 0 in this phase.

Overall Evaluation Criteria

Your submissions will be assessed based on the following factors:

- Completeness: Your analysis should be thorough. This includes ensuring that lists of functional and non-functional requirements are comprehensive, and all actors are identified.
- Diagram Accuracy: All diagrams should adhere to the correct standards and effectively convey their intended meaning.
- Consistency: Your analysis and diagrams should align seamlessly. Actors and processes depicted must match the business description and requirement specifications.
- Deliverable Quality: Consider factors such as readability, spelling, and grammar when preparing your documents.
- Engagement Quality: Your responsiveness and the quality of your answers during Q&A sessions will also be evaluated.

Submission and presentation instructions

GitHub Submission Guidelines

1. **Commit Deadline**: Only the commits made before the deadline will be considered for grading. Should there be any commits after the deadline, the project will revert to the last valid commit prior to the deadline for evaluation.
2. **File Identification:** Ensure the files in your repository clearly indicate their relevance to the project. Adopt descriptive filenames such as 'ProjectDescription' or 'UseCaseDiagram'.
3. **Folder Structure & Deliverables:** All your submissions should be placed in a folder labeled **"phase-1"** in your GitHub repository. Any work outside this repository will not be

assessed. As an example, if you address an issue but don't integrate it into the repository, it won't be considered for grading.

4. **File Viewability:** It's vital that every deliverable is easily viewable on the GitHub website. While you're free to use any tool for diagram creation, ensure that the uploaded version to GitHub is in a universally viewable format.

Presentation Instructions

You must submit the presentation as a VIDEO recording. The instructors will look at your presentation before the presentation day. The presentation day will be mainly a Q&A session. The presentation instructions are as follows.

1. The length of your VIDEO recording is 10 minutes. The content after 10 minutes will be ignored.
2. The VIDEO recording of your presentation must cover all project deliverables and summarize your project and each deliverable.
3. You must narrate the VIDEO to explain each of the deliverables.
4. The VIDEO recording must also include your talking heads in the frame to see who is presenting, for example,
    a. https://www.youtube.com/watch?v=T82_rTuy7Cw
    b. https://www.youtube.com/watch?v=Bq3F43URr8A
5. You can use your work on your GitHub repository in the presentation. **You do not need to use slides (you can use slides if you want).**
6. You may upload your VIDEO to Google Drive and generate the link to share your VIDEO.
7. The link (i.e., URL) to your VIDEO record must exist in your GitHub repository's README file **before the deadline**.
8. Make sure that the instructors can access your VIDEO recording.
9. The Q&A session on the presentation day is 10-15 minutes.
10. **All members of your group must participate in the VIDEO presentation.**
11. **All members of your group must be present on the presentation day.**

Your score will be deducted if you do as follow:

- Not showing up in the presentation video = -30% (individual)
- Late showing up in the presentation day = -20% (individual)
- Not showing up in the presentation day = -30% (individual)
- *** Only the work that is submitted before the deadline is graded. Having no work submitted before that means a ZERO score ***
- *** All required items must exist in the GitHub repository to be graded. Otherwise, your project phase 1 score will be ZERO ***
- Failure to follow the instructions will make you lose points.
- Any issues/problems/obstacles in progressing your project must be informed before each deadline.
- Both instructors will consider any issues/problems outside the rules stated above. The decision and the penalty from both instructors are final.