

Assignment 1: Requirements

Detailed Assessment Info

Last Update: 07/08/2022

Ver: 6.1

Learning Outcomes

1. Describe the breadth and nature of the software engineering process and distinguish various phases of the process;
2. Create and develop the required artifacts during each phase of the software engineering process;
3. Differentiate and evaluate the software engineering techniques used to produce the artifacts;
4. Employ group working skills in solving software development problems;

Assessment Task

Assessment topic:

1. User stories and their acceptance criteria
2. Software Prototype

Assessment type: Group assignment

Assessment tasks:

As a team, decide what type of the application you want to develop. You can find the technical requirements and restrictions in [Informal client Requirements].

*Please note, change of application platform (e.g., from desktop-based to text-based in your Assignment 3 will suffer from 20% penalty. So, choose it carefully, this is considered breach of contract.

Here is an example of penalty: if you get 86 in your Assignment 3, change of platform will result you getting 66)

Task 1: User stories and acceptance criteria

User stories are short, simple descriptions of a feature told from the perspective of the person who desires the new capability. Acceptance criteria are a set of statements, each with a clear pass/fail result, that specify both functional and non-functional requirements.

1. Identify **all the features** based on information provided on both [Informal client Requirements] and ED forum interview
2. You need to write **at most 2** user story for each of these features
3. For each user story, write **one** acceptance criteria.

Task 2: Software Prototype

You are using a prototype presentation to illustrate how the final product will look like. Use visual design tool **Lucidchart** to design the prototype of the software.

Focus mostly on user experience (UX) and correct/appropriate flow of events.

To align user interface better with real-world applications, use one of the design principles (Donald Norman or Ben Shneiderman) from Week 2 lecture to revise your prototype.

During week 5 tutorial, you will present the prototype. The presentation should not be more than 15 minutes long, and you should use **PowerPoint slides** to present the prototype.

During your presentation, the team should:

1. Explain the UI screens
2. Flow of events of the application
3. How have you adhered to the selected usability design principles?

As a team, you should make sure the content is readable. You will present this to one of your mentors. If required, your mentor will ask questions related to your prototype. All the team members should contribute to designing the UI screens and preparing for the presentation.

Note: Every team member is required to present, if one of the team members is missing, the team can still present without him/ her. However, the missing team member will be awarded **0 marks** for this presentation.

Assessment Submission Requirements:

File 1: Completed group coversheet (available on **[Moodle]** > **[Assessments]**)

File 2: You will submit a PDF document for task 1.

File 3: You will submit a PowerPoint file for task 2.

Please stick to the following naming convention to name your files:

FIT5136_Team_X_Task_Y, where **X** is the **team number** and **Y** is the **task number**.

Example:

File 1: FIT5136_Team_404_group_coversheet.pdf

File 2: FIT5136_Team_404_Task_1.pdf

File 3: FIT5136_Team_404_Task_2.pptx

Individual assessment in a group assignment

Feedback Fruit Peer assessment will be performed to gauge the individual contributions to the group assignments. It will be used as an adjustment factor to an individual's grade based on the teammate's evaluation. Feedback Fruit will be made available after the submission deadline. **You must complete it only after your team has made the submission on Moodle and have presented the prototype.**

If the whole team did not complete Feedback fruit, it will result the entire assessment to be awarded **0 marks.**

Feedback mechanism

When your mentor has marked the assessment, marks and feedback will be made available on Moodle. However, you are strongly encouraged to firstly check the marking rubric and then clarify any feedback related queries with your mentor in the following week's tutorial or during the consultation. You do not need to resubmit your assignment, but you should update them or at least take notes.

Total marks:

12%

Due date:

Both Task 1 and 2:

Saturday, 20 August 2022, 11:55 PM

Where to find the marking Guide?

You can find the marking guide under the title of this assessment.

Where to find help?

The University provides different kinds of services to help you gain the most from your studies. Further information is available at <http://www.monash.edu/students>.

You can also email role account for any issues related to the team, technical or material at fit5136.clayton-x@monash.edu

However, for any **assessment-related** issues, please contact your mentor or go to their consultation sessions that are made available on Moodle.

Extensions

If you think your situation is less than 5 days, you can apply extension via:

<https://bit.ly/FIT5136Extension>

And inform your mentor as soon as you finish the form. As the nature of the majority of the assessment is team-based, we will look into each of the cases individually.

Special Consideration:

If your situation is more than 5 days, please apply special consideration, for information on applying for special consideration, please visit: <https://www.monash.edu/exams/changes/special-consideration>

Late Penalty Statement:

Submission must be made by the due date otherwise penalties will be enforced.

You must negotiate any extensions formally with your campus unit lecturer via the in-semester special consideration process: <http://www.monash.edu.au/exams/special-consideration.html>

Late submissions are allowed with a penalty of **10%** per day including weekends and public holidays. Example of penalty, if you get 76 in total but has 1 day late penalty, you will receive 66 instead.

Plagiarism and collusion statement

Monash University is committed to upholding standards and academic integrity and honesty. Please take the time to view these links.

Academic Integrity Tutorials:

<https://lms.monash.edu/mod/page/view.php?id=5666695>

Student Academic Integrity Policy

<https://lms.monash.edu/mod/page/view.php?id=5666699>

Test your knowledge, collusion (FIT No Collusion Module)

<https://lms.monash.edu/mod/page/view.php?id=5667198>

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