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. CMS Prototype
   3. Use of Tools

Assessment type: Group assignment

Assessment tasks:

As a team, decide what type of the application you want to develop. You can find the requirements and restrictions of all the available application types in CMS software's technical requirements.

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 of CMS
   2. You need to write at least one user story for each of these features
   3. For each user story, write at least one acceptance criteria.

Task 2: CMS Prototype

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

The most important thing is to get the user experience (UX) and flow of events right. To align CMS's user interface better with real-world applications, use one of the design principles from Week 2 lecture.

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

During your presentation, one of the team members should:

1. Explain the UI screens
2. Flow of events of the application
3. How have you achieved using one of the 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: only one team member is required to present, however, all the team members are expected to be present during this assessment.

Task 3: Use of Tools

As a team, you should plan, schedule and collaborate to develop a product.

 1.   **Using Trello as a team**

Trello is one of the project management tools used by the teams (or yourself) to manage and assign tasks to each other. You can keep track of each other's progress, add checklists, due dates, among other things. The team leader of your team will create a Trello board by following the **"Set up Trello for the Team.pdf"** in the **Walkthroughs folder** under Assessments. Ensure you **add your mentor** to this board.

Note: There are tasks that your team leader should do, however, this does not mean you should ignore them as you will become a team leader in your career. This is not the same as the personal board that you created in Week 1 and MUST BE kept separate.

 2.   **Using Git (Not need to set up right now)**

Git is one of the version control systems used by the teams to collaborate with each other on coding. **You will use Git for assignment 3. Follow the resources provided in the Walkthroughs folder under Assessments.**

Follow the instructions without skipping steps.

In the end, marks awarded will be based on your individual contribution to Trello and Git and will contribute towards your assignment 3's grade.

Assessment Submission Requirements:

File 1: Completed group cover sheet (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.

As of now, no moodle submission is required for task 3.

Please follow 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

Feedback mechanism

When your mentor has marked the assessment, marks and feedback will be made available on Moodle. However, you are strongly encouraged to 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.

Individual assessment in a group assignment

CATME Peer assessment will be performed to gauge the individual contributions to the group assignments. CATME 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.**

Total marks:

12% + 2% (Use of Tools)

Due date:

Task 1 and 2: Sunday, 28 March 2021, 11:55 PM

Task 3: Friday, 28 May 2021, 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 many 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
Please email us at fit5136.clayton-x@monash.edu providing the reason and number of days you are requesting for an extension. After the review of your request, the teaching team will get in touch with you.

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.

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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