FIT2001: Systems Development –Workshop 6

Objectives:

- Practice requirements gathering and documentation techniques – Use Case Diagram and Description, Activity Diagrams
- Reflect on Assignment 1 and conduct Assignment 1 Retrospective
- Understand and Plan for Assignment 2

The following activities are involved in this workshop:

- Activity 1: Review QUIZ (via Flux)
- Activity 2: Assignment 1 Retrospective
- Activity 3: Use Case Diagram & Use Case Description
- Activity 4: Activity Diagram
- Activity 5: Assignment 2 Planning
- Workshop Quiz (happen at various time each week)

Activity 1: Review QUIZ (~10 mins)

- Sign into FLUX (flux.qa).
- Step 1: Join an Audience
  - Hit the "+" button in the top right of the screen.
  - Type the 6 character 'Audience code' provided by your Tutor. Note that this code is case sensitive.
  - Click "Join". You'll now see Presentations pop up when your Instructor begins the Quiz
- Step 2: Join a Presentation
  - Once your instructor starts a Presentation, click the Presentation card to join. From here, you will be greeted by FLUX activities for you to participate in.
- Workshop Topic Review

Activity 2: Assignment 1 Retrospective (~20 minutes)

- Working with your Assignment team in the breakout room
- Conduct Assignment 1 Retrospective (See Appendix 1) – Discuss any issues with your tutors

Activity 3 – Use Case Diagram & Use Case Description (~60 minutes)

- Work with your Assignment Team members (Online: in a breakout room)
- Task 3.1: Create the Use Case diagram for the 'Manage Rental' function in Bayside Bikes.
- After discussing the requirements with the user, your understanding of the 'Manage Rental' function is as follows:

  We would really like the system to notify our customers via SMS a short time before they pickup and drop off their bike(s) and accessories. When the customer comes in, we retrieve their booking and verify their id, and then we create a rental. We always offer insurance before finalising the rental by accepting their payment. We then give them the bikes and accessories they have booked.
  When the customers return the bikes, we check for damage, and update the rental accordingly. We also keep a record of the damage as it may affect bike availability for another booking.

- Task 3.2: Create the Use Case Description for the 'Create Rental' Use Case
- Be prepared to discuss your Use Case Diagram and Description with the class. (~20 minutes)
- Use **Lucidchart.com** or **Diagrams.net** (free) tool to draw the diagram

Activity 4 – Activity Diagram (~ 40 minutes)

- Work with your Assignment Team members in a breakout room
- Task: Prepare the Activity diagram to meet the business requirements for the 'Booking Request' function. *Note that the system should always check the bikes and accessories again prior to creating the booking. If the bikes and accessories are not available, then the system will ask if the customer wants to place on waitlist.* (~30 mins)
- Be prepared to discuss your Activity Diagram with the class. (~10 mins)
- Use **Lucidchart.com** or **Diagrams.net** (free) tool to draw the diagram

Activity 5: Assignment 2 Discussion and Planning (~30 minutes)

- Discuss Assignment 2 Requirements
- Assignment 2 - Q & A
- Working with your Assignment team in the breakout room
- Start planning for Assignment 2 (See Appendix 2) using your Trello Board.
- VERY IMPORTANT – Organise the next zoom meeting time with your group for Assignment 2, and your Story Mapping workshop with your client (tutor).

Appendix 1 - TEAM RETROSPECTIVE

m Retrospective
The Assignment Team Retrospective is an opportunity for the team to reflect on their performance for the recently completed assignment and improve for the next assignment.

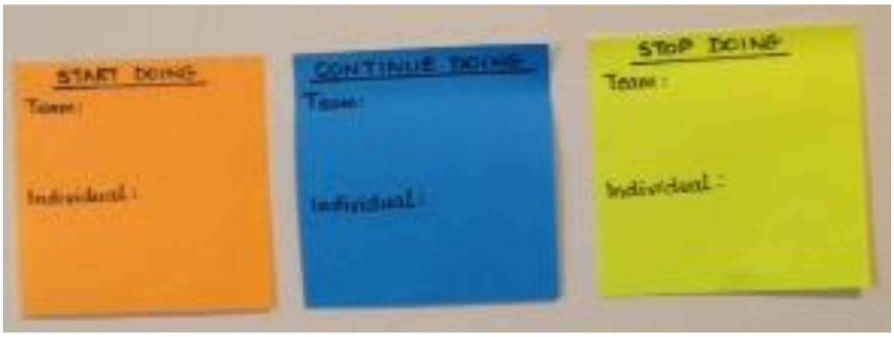
Step 1: Each team member individually reflects on the team's and their own performance for the recently completed Assignment, and writes their thoughts on the following 3 different areas – Continue Doing, Start Doing and Stop Doing. You may want to use MIRO to help with the retrospective. They have a template you can use – just change the heading to match what we have asked you to do.

Areas to consider:

As a team we need to **CONTINUE DOING:**
and in particular I need to continue doing:

As a team we need to **START DOING:**
and in particular I need to start doing:

As a team we need to **STOP DOING:**
and in particular I need to stop doing:



Step 2: Collate the team members responses, group the information, discuss the information, and decide on the changes the team are willing to commit to for next Assignment. If there are any serious issues raised that cannot be resolved by the team, please seek help from your tutor or lecturer.

Appendix 2 – PLANNING FOR ASSIGNMENT 2

1. Review Assignment 2 specification, and develop your Assignment Plan.
   a. 1st Meeting - **Discuss the requirements of the assignment**, and each component to a reasonable level of detail, so that all members have a clear understanding of what is required.
   b. **Make your plan** with a list of tasks, allocation to team members and deadlines. Make sure that you plan to finish a few days before the due date, so that you have enough time to deal with any issues that arise. Plan all meetings for the assignment – date, time, zoom link. While you will have a couple of longer meetings for detailed work, you should also have regular stand up meetings to discuss progress. PUT ALL THE TASKS ON YOUR TRELLO BOARD.
      - The Standup meetings should be short. It is just a quick catch up to ensure that everyone is going okay with their allocated tasks. If all is well, meeting minutes are not required for standup meetings. If there are any issues, resolve them or contact staff if required, and write up brief minutes to detail the issues and actions taken.
   c. **Divide the work** equally, either to individual team members or pairs of team members. Identify where part of the work is dependent on other parts of the work being completed. Working in pairs is much better and helps build confidence in team members. It is important that **all team members contribute to all parts of the assignment,** as if team members do not work on all aspects of the assignment, they will have big gaps in their knowledge, which will have a significant impact on their learning and final exam mark.
   d. **Work on allocated part** – either individually or in pairs. All work should be in Google Drive so that all team members can see how other team members are progressing at any time, and be able to provide feedback in the document,
      i. ***Report back on progress/issues*** during regular stand up meetings.
      ii. ***Review all work, and provide feedback*** at Next meeting
      iii. ***Re-allocate work*** to incorporate feedback.
      iv. **REPEAT Steps d - g** until the team is happy with the work.
   e. **Meet regularly to review work, and do a final review before hand in** (should be at least 2 days before the assignment is due to ensure that you have time if there are any issues that need to be sorted).

STANDARDS: Create document standards so that you do not waste time re-doing work when you try to integrate different components.

WORKLOAD EQUITY: If a team member is given less work than expected, they should request more work. If more work is not allocated, they should see the tutor to sort out the issue. Saying that the team did not give me any work or did not give me enough work is not a valid excuse. It is your responsibility to ensure that you have contributed equally to the Assignment.