**COMP4050 Log 1**

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**Planning and Estimation**

Week 1 Class, 27/07/2021

* Created our group during the class. Our group members are: Ameer Karas (myself), Joshua Vazzoler, Yefan (Tony) Li, Christopher Purkiss, and Katrina David.
* I created a Facebook group chat so that all of the members could message each other.
* Joshua Vazzoler created a discord server with multiple text channels to organise our messages.
* I created a trello board for our group: <https://trello.com/b/t0WTmFZQ/comp4050-group-2>. Later, I made Joshua Vazzoler an admin of this board as he became our Trello Master.
* Our group allocated the roles of Scrum Master, Trello Master and Git Master to the following members:
  + Scrum Master: Ameer Karas
  + Trello Master: Joshua Vazzoler
  + Git Master: Yefan (Tony) Li
* Tony set up a github for all the group members. Each group member created their own branch.
* All members linked their Trello accounts to their github accounts.
* Following the meeting, to revise the agile methodology I compiled notes on what a scrum is: <https://trello.com/c/pBAqeZ4M>.
* I also made a sprint review template so that group members could easily complete future sprint reviews: <https://trello.com/c/aTYym5Hy>.
* Our group made plans to have a follow-up meeting on the 31st of July to discuss our code review of SwapStreet.

Group Meeting, 31/07/2021

* Group members discussed the codebase. It was noted that the codebase lacked a back end.
* Group members read through the specifications and brainstormed various functionalities of the project, such as how the SwapStreet coins would work, and the proximity that a user would have interaction with.
* Group members brainstormed user requirements by imagining how we would want an app like this to function.
* We also discussed improvements to the front and back ends of this project, as well as one new feature we would implement:
  + Front-end: a user profile for each user.
  + Back-end: implementing a database.
  + New feature: a map on the homepage that would display a users’ proximity.

Week 2 Class, 03/08/2021

* Group members discussed in detail the 3 features of the project that we would be focussing on the most: the back-end feature, front-end feature and new feature.
* We decided to use a MERN stack due to its versatility.
* For the ‘Short Report’ we settled on proposing a front-end feature (member dashboard), an additional front-end feature (user profile), a new feature (‘Map and search’ and a back-end feature (MERN stack).
* Group members were allocated a task to complete of the ‘Short Report’:
  + Back-end feature: MERN stack, written by myself.
  + New feature: ‘Map and search’, written by Katrina.
  + Front-end feature: ‘Member dashboard’, written by Chris.
  + Front-end additional feature: ‘User profile’, written by Tony.
  + Joshua would assist members who were stuck while focusing on understanding the codebase.
* Chris compiled a draft list of the project’s strengths and weaknesses which I expanded into paragraphs for the ‘Short Report’.

Group Meeting, 08/08/2021

* Myself and Joshua discussed MERN stack with the group.
* Group members researched how a google map could be added to a react web page.
* We also discussed how guest users and members will access the features of the web page, and which features of the web page may be blocked to guest users.

Discord Meeting, prior to Week 3 Class, 10/08/2021

* Joshua and myself made plans to connect the back-end with authentication.

Week 3 Class, 10/08/2021

* Our group reviewed Kate’s notes on our ‘Short Report’.
* From the meeting, the following sprint was planned:

Sprint 1 (10/08/2021 – 16/08/2021):

* Tasks:
  + Front end (Chris and Katrina):
    - Planning and modelling the front end of our system based on our feedback to their questions/design.
    - Refactoring a clone of the codebase to allow front-end developments while dodging authentication.
  + Back end (Ameer and Joshua):
    - Complete an implementation of the back end.
    - Create mock data set on MongoDB.
  + Tony’s tasks (Git Master):
    - Intermittently checking in with front-end and back-end teams + brainstorming methods to integrate front/back end based on front/back end teams’ progress.
    - Github maintenance/tidying.
    - Any additional tasks.
  + Josh’s tasks (Trello Master):
    - Remind group members of due dates and upcoming tasks.
    - Move completed tasks into appropriate column.
  + Ameer’s tasks (Scrum Master):
    - Ensure team knows their tasks for this sprint.
    - Encourage team members to complete a sprint review at the conclusion of this sprint.
* Scrums:
  + 12/08/2021:
    - Each member presents their progress, achievements and difficulties.
    - Front and back end teams explain latest developments to Tony and keep him up to date.
    - Any additional comments/questions.
  + 14/08/2021:
    - Each member presents their progress, achievements and difficulties.
    - Front and back end teams explain latest developments to Tony and keep him up to date.
    - Any additional comments/questions.

**Development**

Group Meeting, 31/07/2021

* Group members discussed the codebase. From our discussions, the following package diagram was constructed by Chris. Graphical user interface, diagram

  Description automatically generated

Figure 1: Package Diagram of SwapStreet codebase

Discord Meeting, prior to Week 3 Class, 10/08/2021

* Joshua and myself created a mock data set on MongoDB.

**Review**

Week 1 Class, 27/07/2021

* Group members briefly reflected on their results from the personality test to understand each others’ personality type and potential role(s) in the group.
* Group members were upfront with their own strengths and weaknesses regarding the project (for example: coding, report writing).
* I briefly revised the agile methodology, sprints, and scrums and decided that as Scrum Master I should construct a ‘sprint review’ template to make it easier for group members to self-assess and give feedback after each sprint.

Group Meeting, 31/07/2021

* Group members all participated in reviewing the SwapStreet codebase and shared their findings during this meeting.

Week 2 Class, 03/08/2021

* Following the conclusion of the class I reviewed each members’ task for the ‘Short Report’. I messaged them individually and treated this as an informal sprint.
* As I had messaged each group member about their part of the ‘Short Report’, I decided that I would be the group member to compile each part into a single document and submit it.

Discord Meeting, prior to Week 3 Class, 10/08/2021

* I reviewed Joshua’s progress on the MongoDB database.