

## 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 31<sup>st</sup> 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.

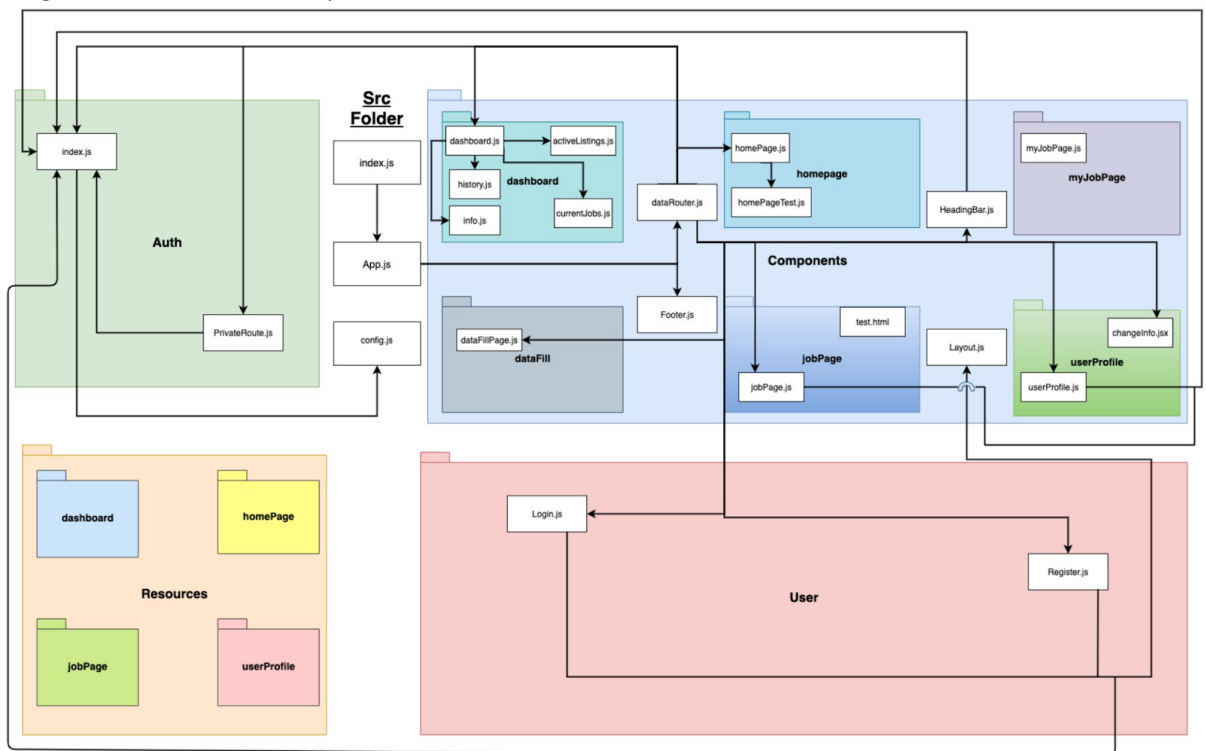


Figure 1: Package Diagram of SwapStreet codebase

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.