**Snapshot Week 11 of Group CYCIN11PG**

Project: **Team Pursuit Strategy Tool**

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**Project Backlog and Task Board**

Timeline

Description automatically generated with medium confidence

Figure 1. Project Backlog

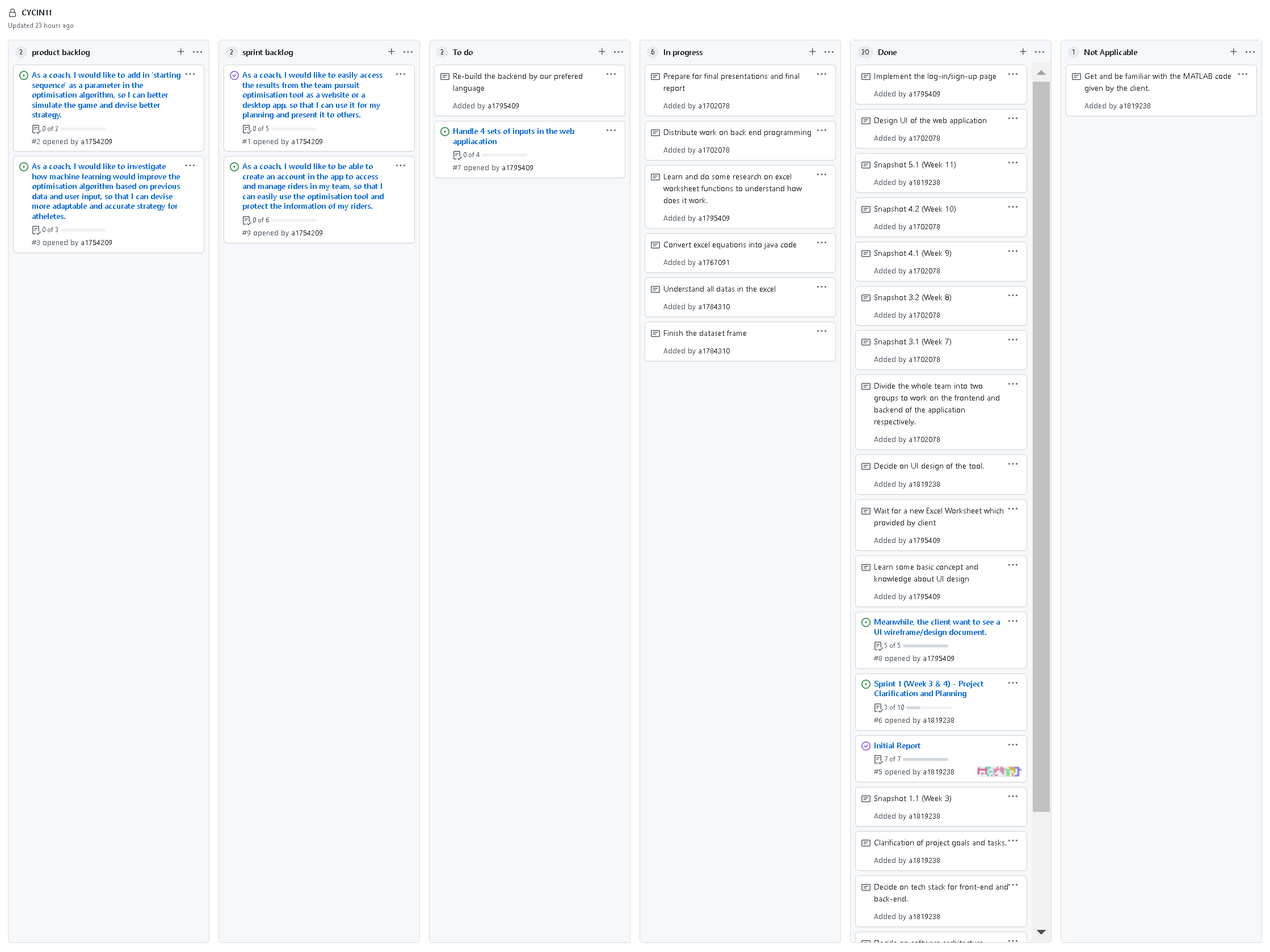


Figure 2. Task Board

**Sprint Backlog and User Stories**

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Description automatically generated

Figure 3. Sprint Backlog

**Current User Stories**

As a coach, I would like to easily access the results from the team pursuit optimisation tool as a website or a desktop app, so that I can use it for my planning and present it to others.

*Acceptable Criteria*

* user should be presented with the same result from the excel sheet on a website / desktop app, which includes final time and graphs
* The website / app should present the user its purpose, the process of using the algorithm, and example use case upon opening the website / app
* user should be able to input / upload data which the algorithm will use to calculate
* instead of hard-coding, user should be able to input variables to be optimised through html form / other means
* the website / app should provide a list of rules for data input / upload, such as type of data required, name of columns (for data upload), etc.
* user should only be able to run the algorithm once all requied fields are filled with valid input

As a coach, I would like to be able to create an account in the app to access and manage riders in my team, so that I can easily use the optimisation tool and protect the information of my riders.

*Acceptable Criteria*

* user of the app should be able to create an account (sign up) as coaches by providing some personal information (e.g. email or phone number)
* user of the app should be able to create, edit and access rider profiles they created when logged in
* user of the app should be able to edit and access constants when logged in
* rider profile and constant values that a user inputted before should still be available when they logged in again
* only user of the app should be able to run the optimisation algorithm
* user should be able to change their personal information (e.g. name) and login information (e.g. password)

**Task Description**

* Build the backend of the application
* The backend of our web application needs to be programmed according to the information provided by the excel files. The program should contain all the functions included in the excel files, which produce the appropriate results with the given inputs. The use on the backend languages is not restricted, but we still need to consider the factors of data processing, visualization, and database to think of the most suitable programming language to be used in the backend.
* Construct the frontend of the application
* The team has created a general design of the UI of the web application, and the frontend needs to be created based on this design. Our team has already created the sign-in & log-in page of the UI, and we need to continue with the other parts of the UI and make sure the UI of the web application meets the requirements of client and is easy for users to use.

**Definition of Done**

The following states the definition of done for the user stories applicable to Sprint 1:

* The sprint and related user stories were planned, notified, and accepted by all team members.
* User stories that have met the acceptance criteria can be moved to the “Done” status.
* Any user story that hasn’t yet met the acceptance criteria in the current sprint is prolonged to the next or future sprint.
* All code has no syntax error and function as expected.
* All code should be commented and formatted in a readable fashion.
* All code should be reviewed by at least 1 team member.
* All code should pass all unit testing (at least 3 tests with edge cases).

**Summary of Changes**

During the previous and current sprints, we have successfully implemented a workable version and improved the existing framework of the sign-up/log-in system, in which the users now are able to log-in with their registered email addresses and encrypted passwords in different devices and browsers. Since this is supposedly the final period of the project development, in this sprint, we would focus on our preparation of final presentation and report, to summarize and reflected on our development progress.