**Snapshot Week 5 of Group CYCIN11PG**

Project: **Team Pursuit Strategy Tool**

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**Project Backlog and Task Board**

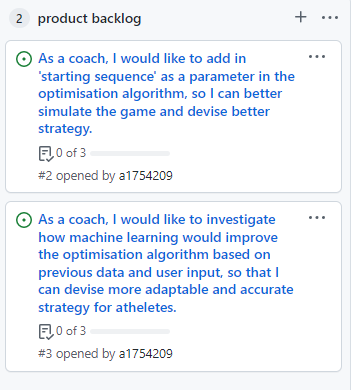


Figure 1. Project Backlog

Graphical user interface, application, Word

Description automatically generated

Figure 2. Task Board

**Sprint Backlog and User Stories**

Graphical user interface, text, application

Description automatically generated

Figure 3. Sprint Backlog

**Current User Story**

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 able to access the same result from the MATLAB code on a website / desktop app
* user should be able to load / upload data which the algorithm will use to calculate
* the website / app should give user a list of requirement for data input (e.g. type, column name, etc.)
* instead of hard-coding, user should be able to input variables to be optimised through html form / other means
* user should only be able to run optimisation algorithm once all requied fields are filled with valid input
* once all valid input have been received, the website / app should show the same result as the MATLAB code

**Task Description**

* **Analyze the Excel Worksheet the client provided**
  + Since the client change many requirements on week5 Friday. The MATLAB code is no more for now. The team is going to get a Excel worksheet as instead for back-end calculation’s logic. Thus, the analysis based on previous code needs to rework. Meanwhile, some knowledge of Excel Worksheet is also required. Due to the Worksheet might not be intuitive as programming languages, more discussion and research is needed.
* **Rewrite the Code in prefer language**
  + After finishing the analysis of Excel Worksheet. The team need to implement the worksheet’s logic into own program. There is no limitation of which language should be use, but the team will first consider about the convenience of data processing, visualization and the react with the data base.
* **Finish a UI wireframe and design documents**
  + The client gives the clearly order that a UI design wireframe and a design document is needed before Week 6 Friday. The team needs to learn the UI drafting tool and structure in short time. The design needs to include:

1. Group name and clear headings for each design.
2. Descriptions & clarifications where you think is needed
3. Interface design to take user input
4. Interface design to display output
5. Interface design for sign-up & log-in page.

* **Implement a Log-in page**
  + The Log-in page is a elective option before but now the client gives the clear requirments that a Log-in page and user-account is needed. The page needs include Log-in and Sign-up function for users. And there is also two types of users, administrator and regular user with different authority, needs to be handle.

**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**

At the end of Week 5, the team has received radical change of requirements from the client. It causes some shock on current plan. The UI design and Log-in page has intercept and add into the new plan. Meanwhile, the analysis and research of MATLAB reaction can stop, but also gives new challenge of re-build the program based on the Excel worksheet. The Team’s working focus will be turning into UI and Worksheet analyze in next week. The log-in page’s functionality implementation is also underway.