**Snapshot Week 4 of Group CYCIN11PG**

Project: **Team Pursuit Strategy Tool**

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**Project Backlog and Task Board**

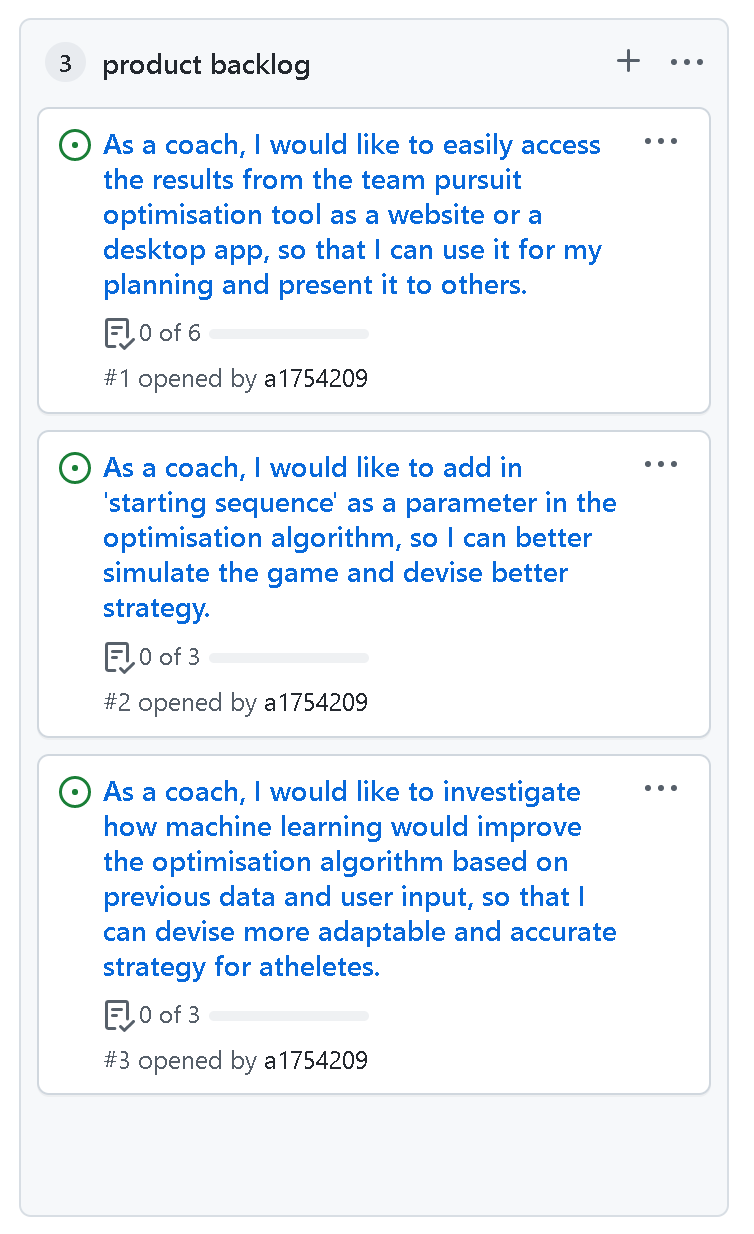
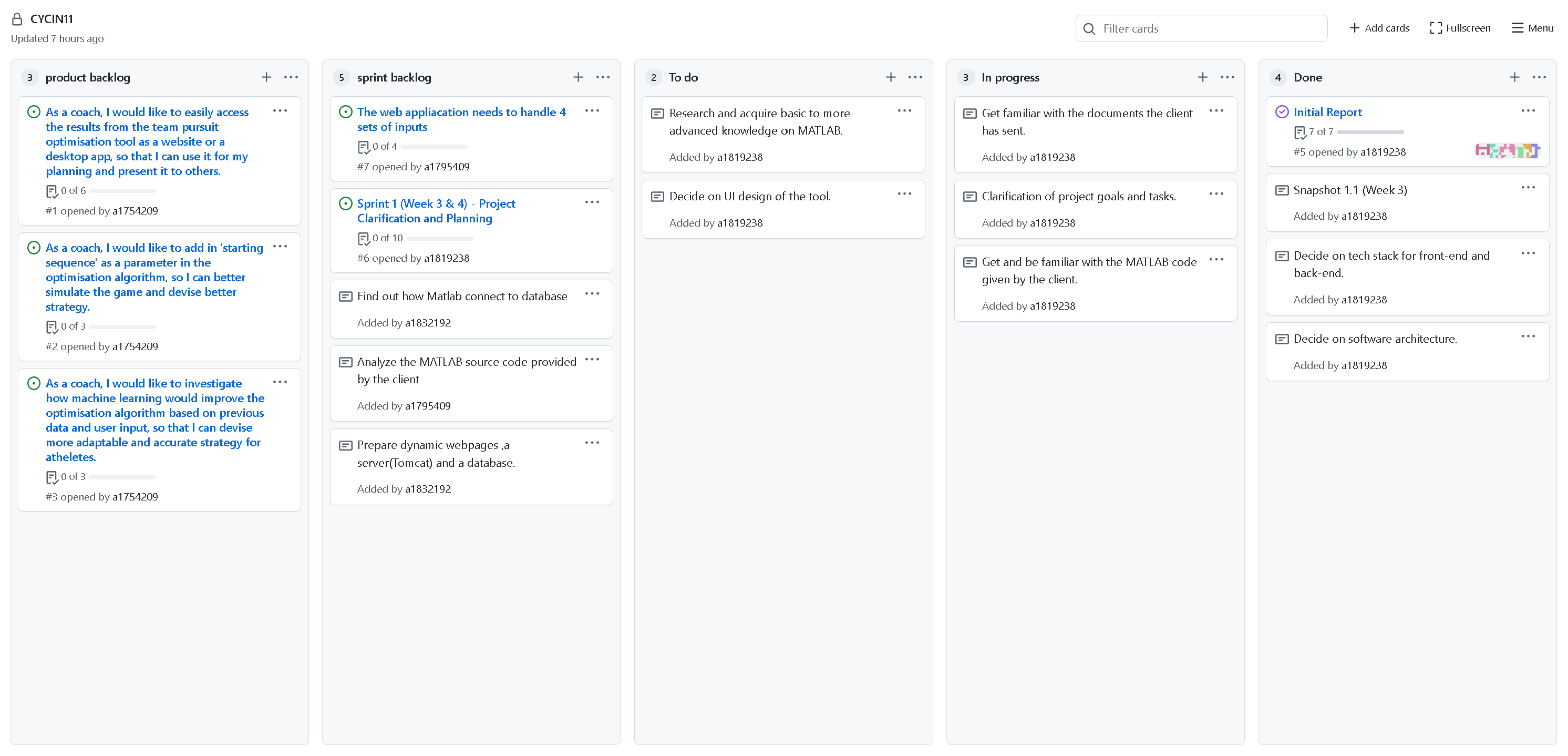


Figure 1. Project Backlog

Figure 2. Task Board

**Sprint Backlog and User Stories**

Graphical user interface, text, application

Description automatically generated

Figure 3. Sprint Backlog

* **Find out how MATLAB connect to database**
  + After analyzing the MATLAB code received from the client, the team should research to find out how the given codes are to connect to database for the web application.
  + ***Acceptance Criteria:*** All team members should have read the codes given and conduct their own research to have a mutual understanding of the way MATLAB work with database after discussion.
* **Analyze the MATLAB source code provided by the client**
  + After getting familiar with the MATLAB code given by the client, team members should try to analyze the code to proceed on the more advanced tasks related to MATLAB.
  + ***Acceptance Criteria:*** All team members should have tried to analyze the MATLAB code and be able to discuss them during group meetings.
* *Get familiar with the documents the client has sent*
  + After receiving the necessary documents from the client, team members are required to read these documents and understand basic project requirements. Additional team discussions or meetings will be arranged if any doubts or concerns arise.
  + *Acceptance Criteria:* All team members should have read the documents to understand the project requirements and specifications.
* *Clarification of project goals and tasks*
  + Gain mutual understanding of project goals and tasks on a team basis. Additional Q&A sections or meetings with supervisor will be arranged if necessary.
  + *Acceptance Criteria:* All team members are informed of and have necessary knowledge of the project goals and tasks.
* *Get and be familiar with the MATLAB code given by the client*
  + After receiving the MATLAB code from the client, team members should have gained access to the code and understand the basic idea of what the code does.
  + *Acceptance Criteria:* All team members should have read the codes given and conduct their own research to have a mutual understanding of basic ideas of the client’s tool.
* *Research and acquire basic to more advanced knowledge on MATLAB*
  + Further research or advanced knowledge may be necessary for certain team members who are assigned MATLAB or machine learning related tasks. This user story is likely to continue through multiple sprints due to the code development nature of this project.
  + *Acceptance Criteria:* Responsible team members can acquire enough and necessary knowledge to work on the tasks assigned.
* *Decide on UI design of the tool*
  + The team will design and decide on the best user interface design to fulfil the project requirements, including but not limited to aesthetics, user interactivity and tool functionality.
  + ***Acceptance Criteria:*** The team has designed a UI that is collectively reviewed and accepted by all team members.

**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.
* Decision-type user stories are finalized and accepted by all team members.
* User stories listed in “To Do” or “In Progress” status that have met the acceptance criteria can be moved to the “Done” status.
* All user stories that have met the acceptance criteria are reviewed by at least 1 team member outside of the task-assigned team member or group.
* All user stories that have met the acceptance criteria are accepted by all team members.
* Any user story that hasn’t yet met the acceptance criteria in the current sprint is prolonged to the next or future sprint.

**Summary of Changes**

In week 4, the team has received the MATLAB code provided by the client. After discussion, besides continue working on the existing tasks, the team has added some extra tasks, mainly related to acquire a better understanding of MATLAB code and how to apply them in another programming language or environment. Furthermore, after submitting the initial report, several tasks (i.e., decide on tech stack for front-end and back-end, decide on software architecture) have been moved to the “Done” column. If there are any modifications made to these tasks, new user stories or tasks will be made accordingly.