

Snapshot Week 6 of Group COMPLEX 8

Defence Science and Technology Group (DSTG) and Swordfish Computing Project Proposal: Distributed Decision-Making



THE UNIVERSITY
of ADELAIDE

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Product Backlog and Task Board

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Product Backlog

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...

Dan to organise future meetings rooms

...

Added by a1734056

Extensible Algorithm Choices

...

#4 opened by a1646930

User Story

Time Series Display

...

#5 opened by a1646930

User Story

Results Export

...

#6 opened by a1646930

User Story

Easy Configuration

...

#7 opened by a1646930

User Story

Scenario Parameters #2 tasks

...

☐

Generate ideas for potential parameters that users want to control to modify distributed decision making methods

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Define objectives for agents

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Define difference between spaceship/foot alien and horseback/foot cowboy

Added by a1734056

1 Reference

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Scenario Parameters

...

#2 opened by a1646930 in sep2022/complex8

User Story

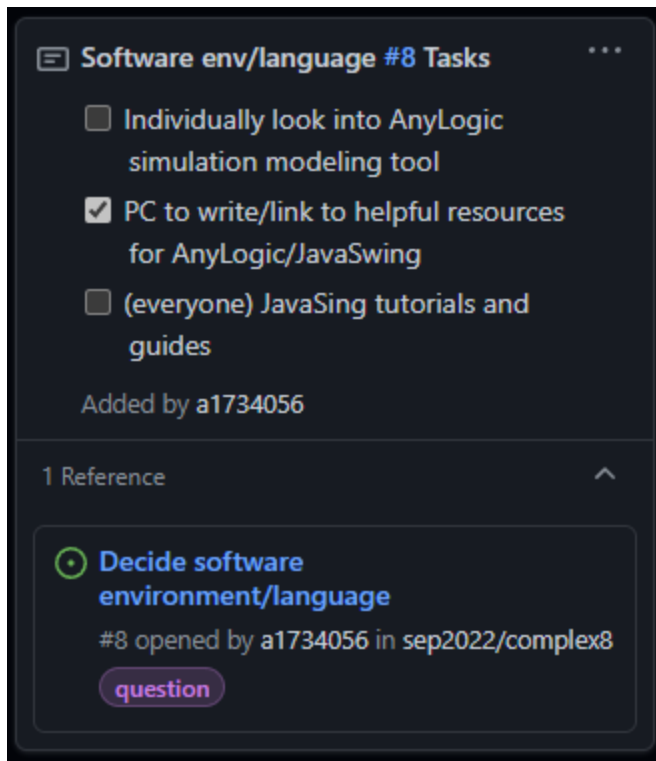


Figure 1: Product Backlog Screenshot

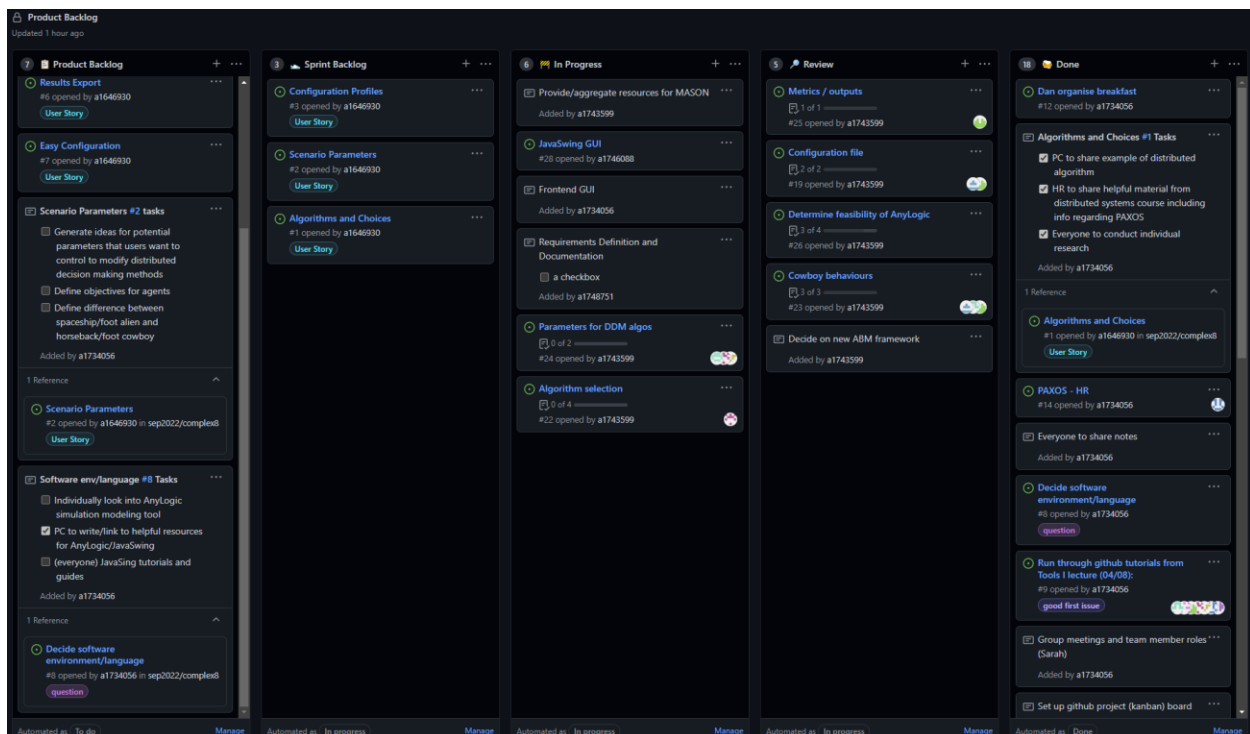


Figure 2: Task Board Screenshot

Sprint Backlog and User Stories:

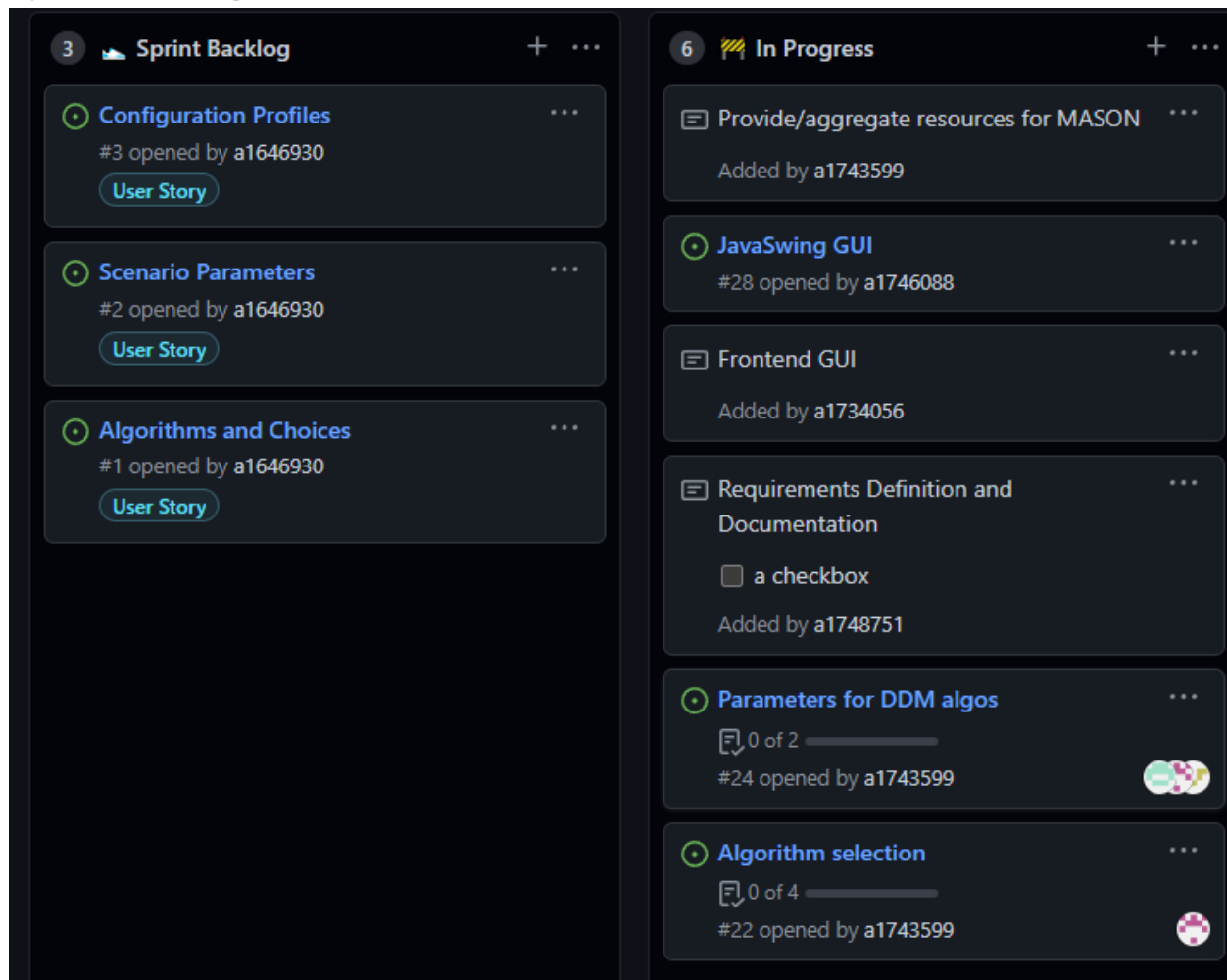


Figure 3: Sprint 2 backlog and in-progress items

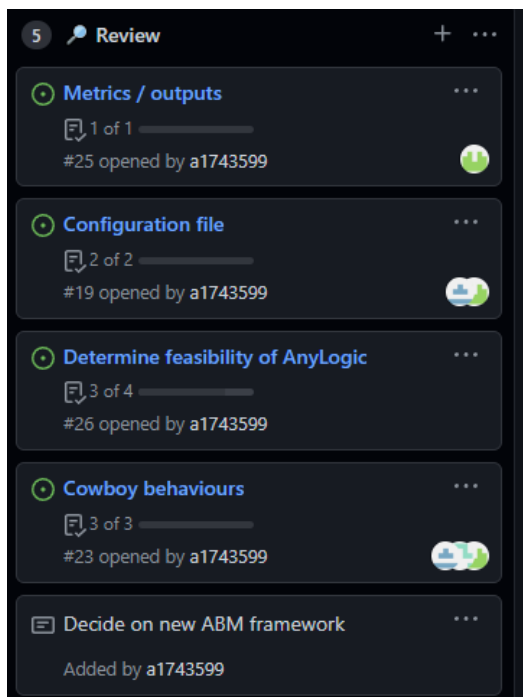
Mid-sprint, once Nathan had decided the team should no longer pursue AnyLogic, he created further tasks to investigate alternative frameworks. Once he had decided on the MASON framework, he made a task for collecting learning resources on MASON. No further changes were made to the sprint backlog since the previous snapshot.

Definition of Done:

- Code written and commented
- Documentation written and updated
- Code peer-reviewed
- Documentation peer-reviewed
- Code architecture conforms to specified design pattern.
- Tests written and passing
- Non-functional requirements met (UX, performance, availability)
- Acceptance criteria fulfilled

Summary of Changes:

Since the last team snapshot, several items on the sprint backlog were completed:



These will be moved to 'Done' during the sprint review meeting.

A json library is now being used in the JavaSwing GUI to generate basic configuration files. A requirements document is now in-progress. Cowboy and alien behaviours have been specified in a word document. Hayley has produced an overview of the PAXOS algorithm. It has been decided to use the MASON java agent-based modelling library to develop the simulation backend. A summary of possible metrics and outputs has been produced.