Snapshot Week 3 of Group COMPLEX 8

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

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Product Backlog and Task Board:

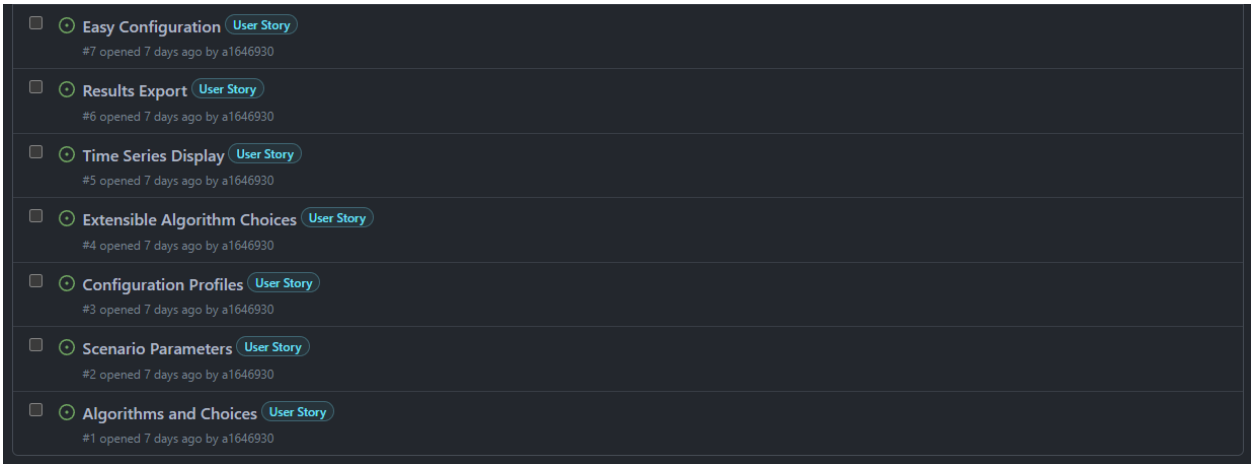

Figure 1: Product Backlog Screenshot

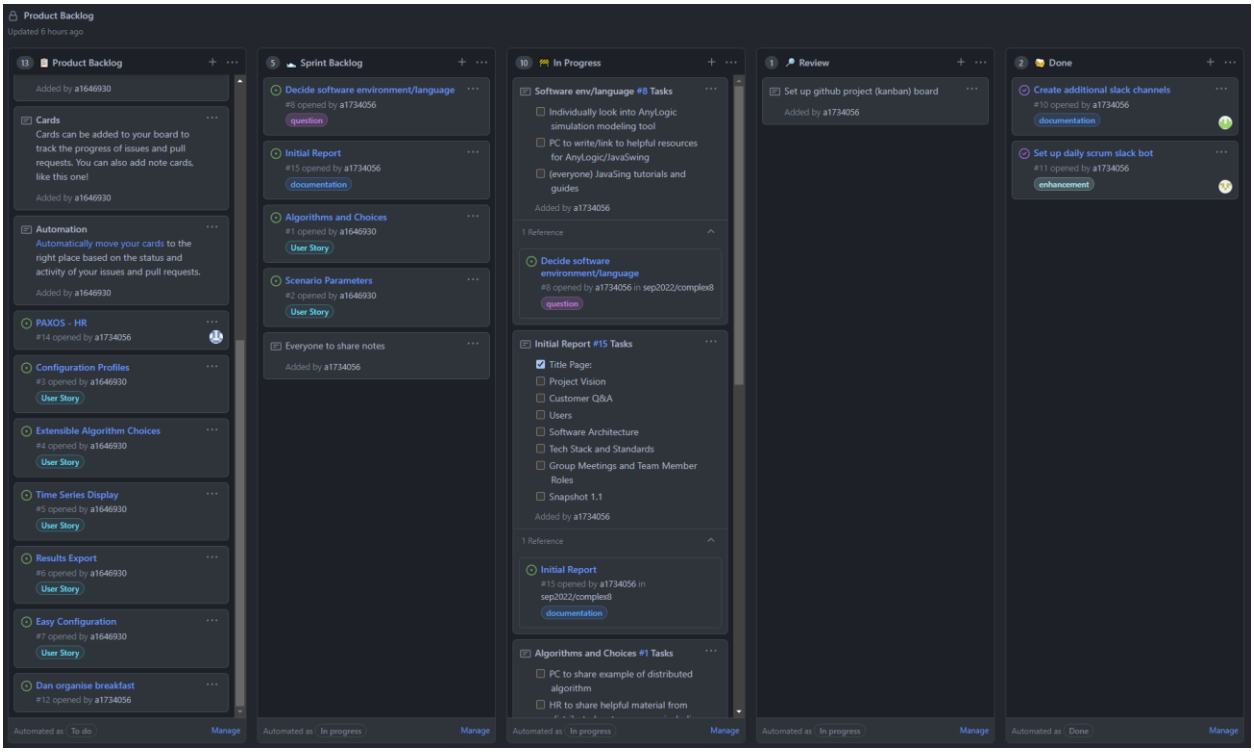

Figure 2: Task Board Screenshot

Sprint Backlog and User Stories:

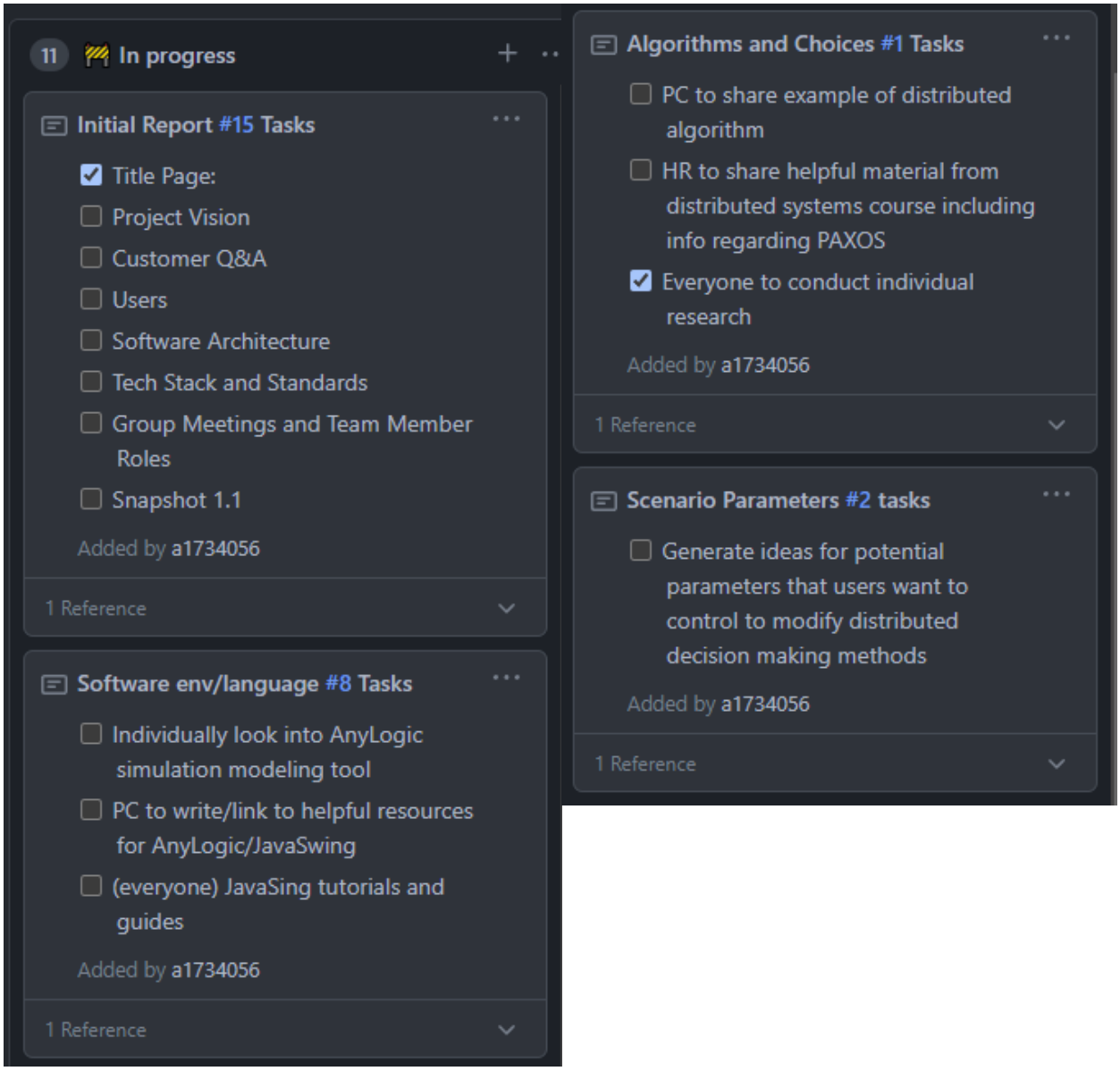

Figure 3: Sprint 1 backlog

The selected user stories for the current sprint are **Algorithms and Choices (Issue #1)** and **Scenario Parameters (Issue #2)**. The Algorithms and Choices user story is described by *"As a typical user, I want to be able to choose at least one algorithm to test, so that I can see how effectively it performs".* The Scenario Parameters user story is described by *"As a user interested in experimental scenarios, I want to control the parameters of the scenario, so that I can better contrast the results of different algorithms".*

Definition of Done:

- Code written and commented
- Documentation written and updated
- Code peer-reviewed
- Documentation peer-reviewed
- Tests written and passing
- Non-functional requirements met (UX, performance, availability)
- Acceptance criteria fulfilled

Summary of Changes:

In the sprint planning meeting with the product owner, the team reviewed the project brief in detail and broke down what the client wanted. The project scenario was also discussed, specifically the information and guidelines that were given about the cowboys (friendly agents) and aliens (unfriendly agents). Since this meeting, the team has performed individual preliminary research and literature reviews on distributed decision making methods. Several additional project oriented aspects were also considered, including what the user may wish to control/modify in their use cases, and ways in which scenario can be paramaterised. A potential software architecture described by 'Design Patterns', a popular framework for building extensible and maintainable object oriented code, was also examined. In the week 3 team meeting individual work and research was consolidated, past experiences in related software fields were shared, and future actions for the sprint, including the initial report sections for the upcoming milestone, were allocated.