Snapshot Week 4 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:

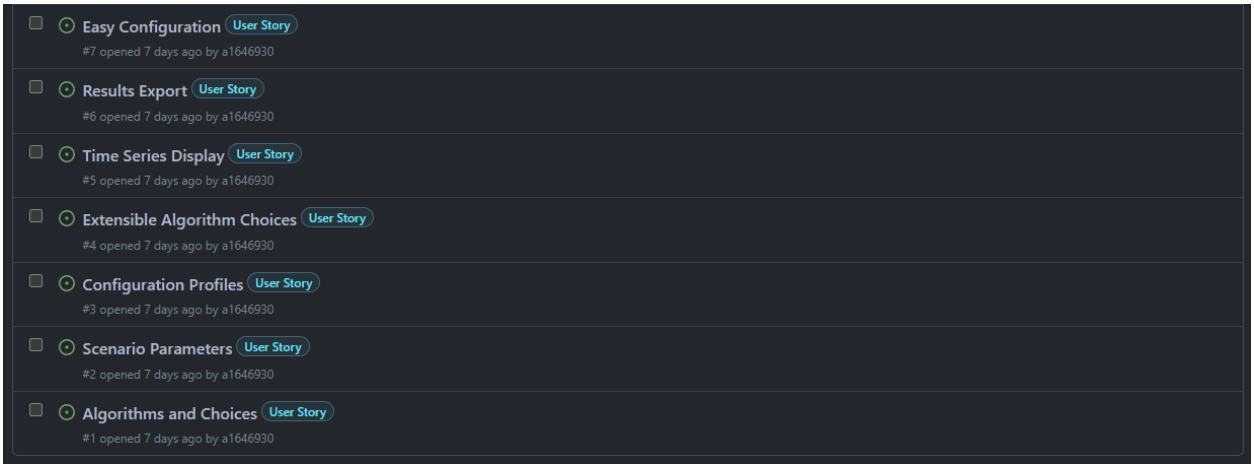

Figure 1: Product Backlog Screenshot

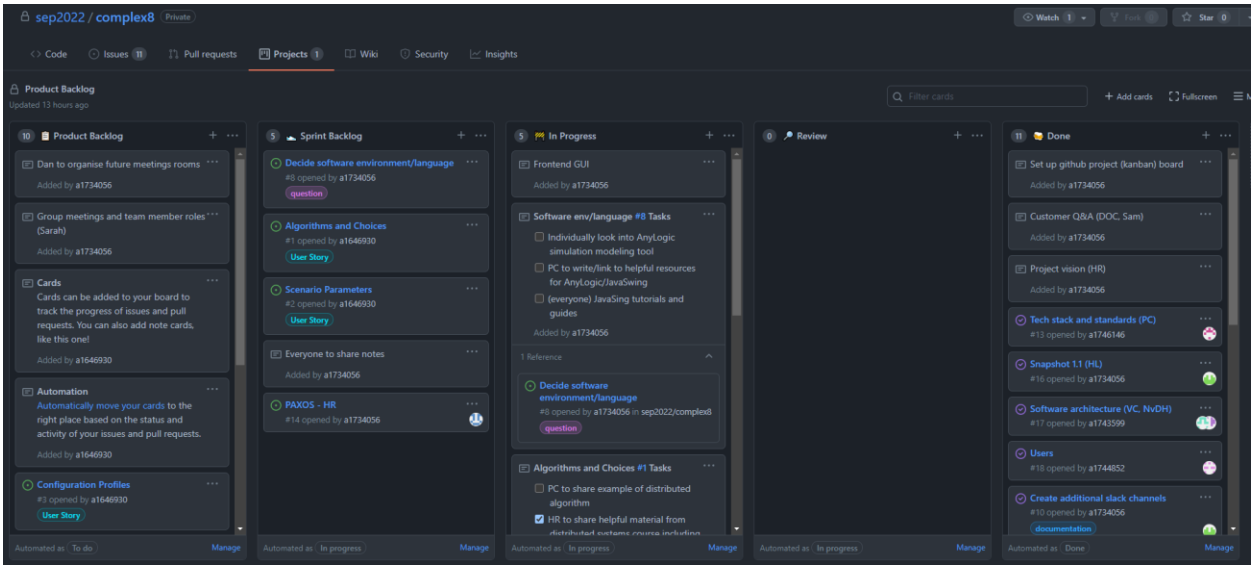

Figure 2: Task Board Screenshot

Sprint Backlog and User Stories:

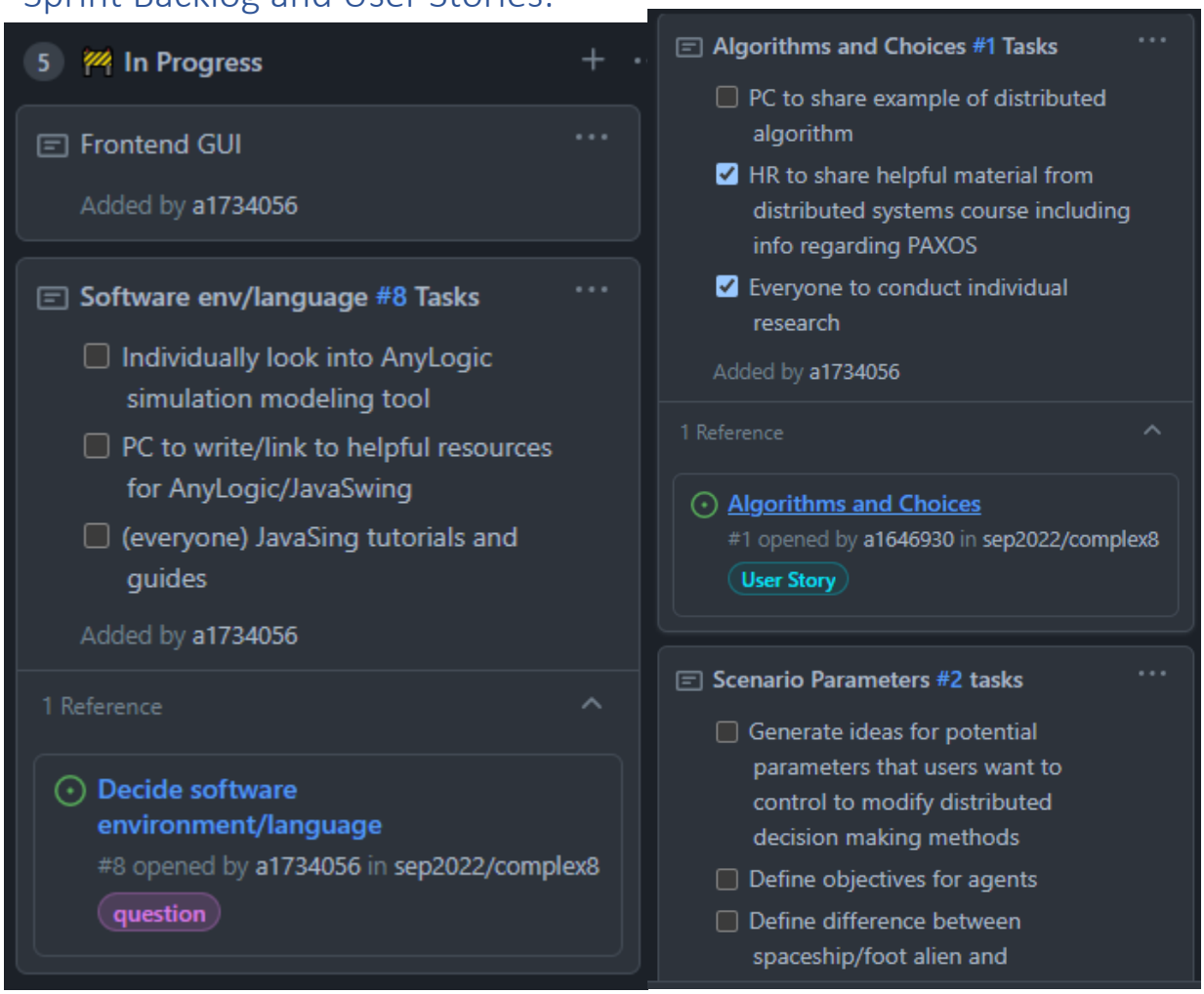

Figure 3: Sprint 1 backlog

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"*. As a part of this, the "Frontend GUI" card was added this week so the team can start understanding how these user stories will eventually interface.

Definition of Done:

- Code written and commented
- Documentation written and updated
- Code peer-reviewed

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- 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, the team has collectively accomplished the first initial report milestone. The team has solidified their understanding of our project vision and discussed how to accomplish our project goals. Our code architecture, which focuses on leveraging the advantages of 'design patterns' to ensure extensibility and scalability into the future, has been designed and communicated to team members. The tech stack and framework for the software system has also been written. Details of all these items were included in the initial report. In the week 4 meeting, the team's ideas for consensus problems in distributed systems were discussed, which was very helpful in aiding team members who did not have as much experience in these areas. In preparation for the sprint review meeting next week, the team has divided work into four areas to focus on, so that feedback and approval can be sought from the product owner. These areas are scenario design, backend distributed decision making framework, frontend GUI, and requirements documentation.