Snapshot Week 5 of Group AttackFlow1

Building a dataset of real-world cyber-attacks with Attack Flow

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Product Backlog

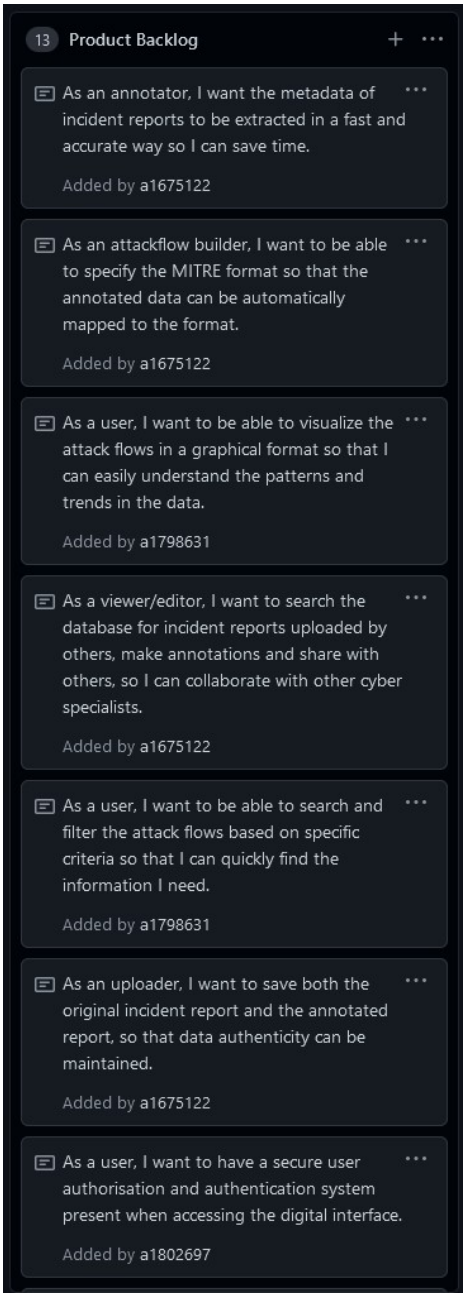

Figure 1: Product Backlog (Sprint 2) 1 of 2

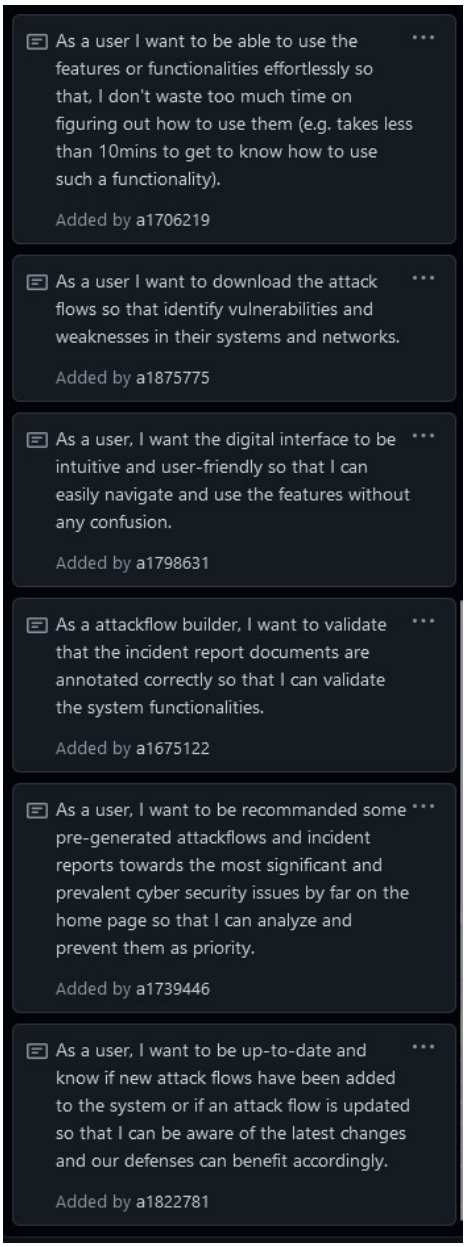

Figure 2: Product Backlog (Sprint 2) 2 of 2

Task Board

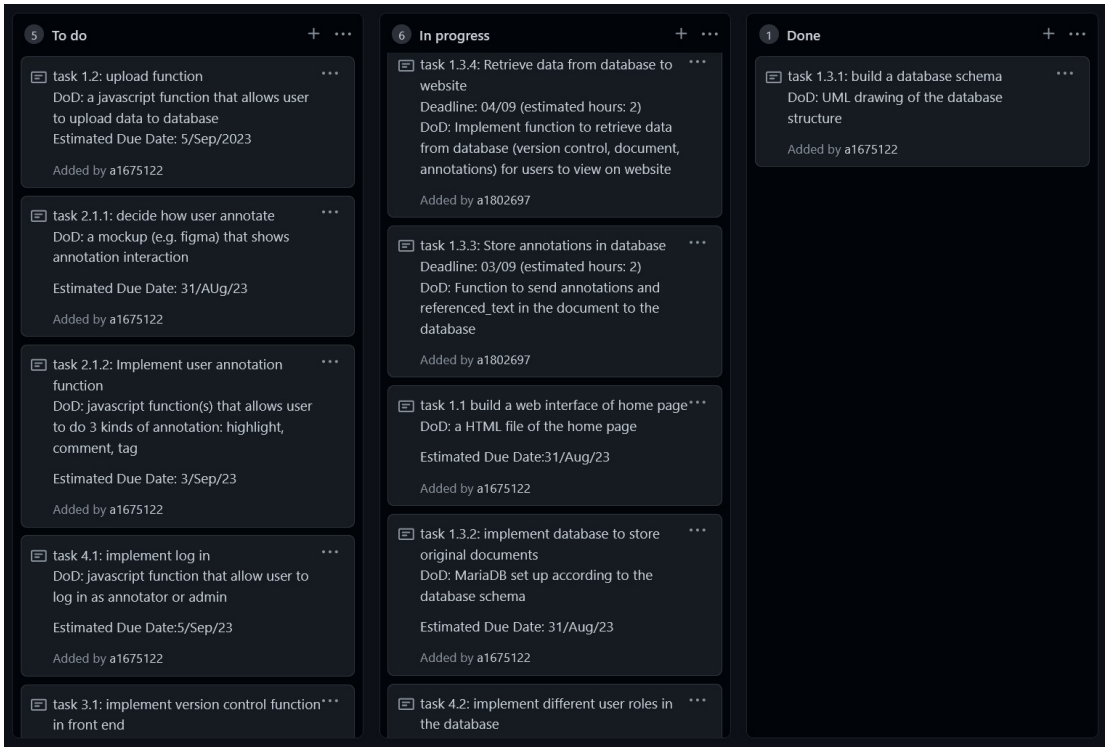

Figure 3: Task board (Sprint 2)

Sprint Backlog

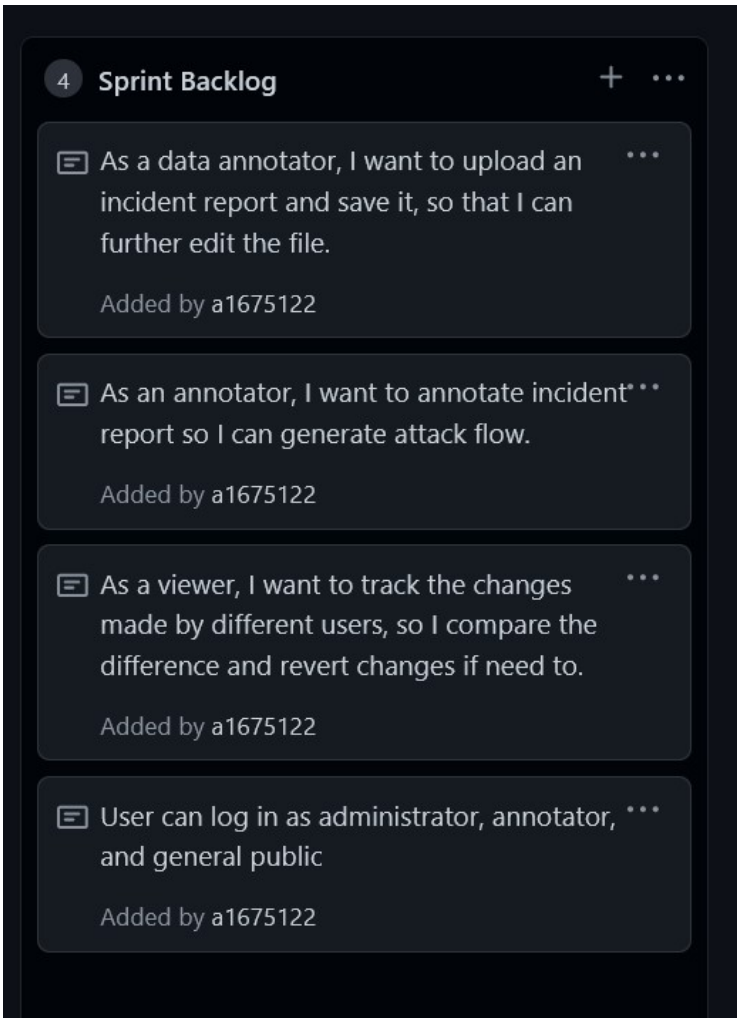

Figure 4: Sprint Backlog (Sprint 2)

User Stories

After gathering user stories in the first sprint and having a sprint planning meeting with the tutor, we selected some user stories from the product backlog, which are the most fundamental functions of the project – upload and annotate. After selecting user stories, we were able to derive tasks for this sprint:

- "As a data annotator, I want to upload an incident report and save it so that I can further edit the file."

  - Related tasks:
    task 1.1: build a web interface of home page
    task 1.1.2: Build a Mockup to show the layout of front end and user interactions
    task 1.2: upload function
    task 1.3.1: build a database schema
    task 1.3.2: implement database to store original documents

- "As an annotator, I want to annotate incident report so I can generate attack flow."

  - Related tasks:
    task 2.1.1: decide how user annotate
    task 2.1.2: implement user annotation function

- "As a viewer, I want to track the changes made by different users, so I compare the difference and revert changes if need to."

  - Related tasks:
    task 3.1: implement version control function in front end (I.e. allow users to retrieve history version or roll back annotations)

- "User can log in as administrator, annotator, and general public."

  - Related tasks:
    task 4.1: implement log in
    task 4.2: implement different user roles in the database

Definition of Done

The individual DoD of each task can be seen on the screenshot of the task board. In summary, the goals are:

- Testing the interface works as we expected.
- Explain and ensure that all the scrum members understand how to build up the implementation.
- Explain and declare the tasks to each scrum member regarding the web design.

Summary of Changes

The last snapshot was taken in the first sprint, which was mainly about collecting user stories, researching, and setting up the environment. This snapshot shifts the focus on implementing user stories gathered from the first sprint, emphasising the most fundamental **functional requirements**: upload and annotate.

- **Planned a different set of tasks.** We are pleased that we successfully completed all tasks from the previous snapshot. In this snapshot, We selected a new collection of user stories from the product backlog and we are embarking on a fresh set of tasks, with a strong emphasis on implementing the web UI and database components.
- **Added a new user story.** During our meeting with the tutor, we discovered a new user story about allowing the admin to review user annotation and approve or reject based on a set of rules. We added the new user story to the product backlog.
- **Started on the mockup.** Before jumping into coding, we need to communicate with the clients and within the team as well in terms of what the product should look like, how will the customer interact with it, etc. We decided to use Figma to build a simple mock up for this purpose.
- **Drafted database schema** The database schema has been drafted and is pending review by the team members at the moment.
- **Started coding.** In this second snapshot, The team has been actively working on the web front-end(interface and implementation) and back-end(database and express.js). Currently, we don't have a mockup yet so we can only write some skeleton code and set up the frameworks.