Snapshot Week 6 of Group AttackFlow1

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

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Product Backlog

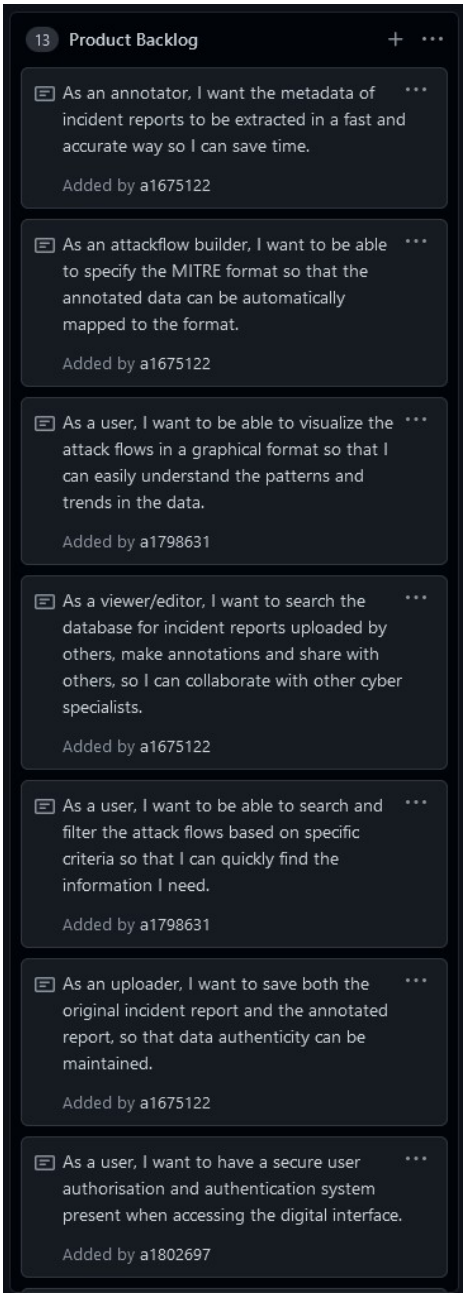

Figure 1: Product Backlog (Sprint 2) 1 of 2

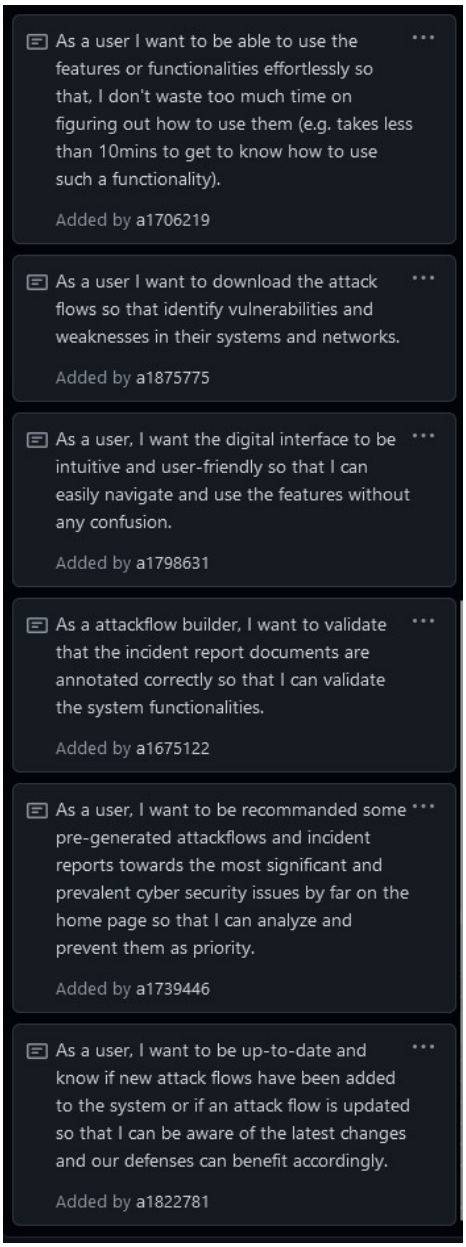

Figure 2: Product Backlog (Sprint 2) 2 of 2

Task Board

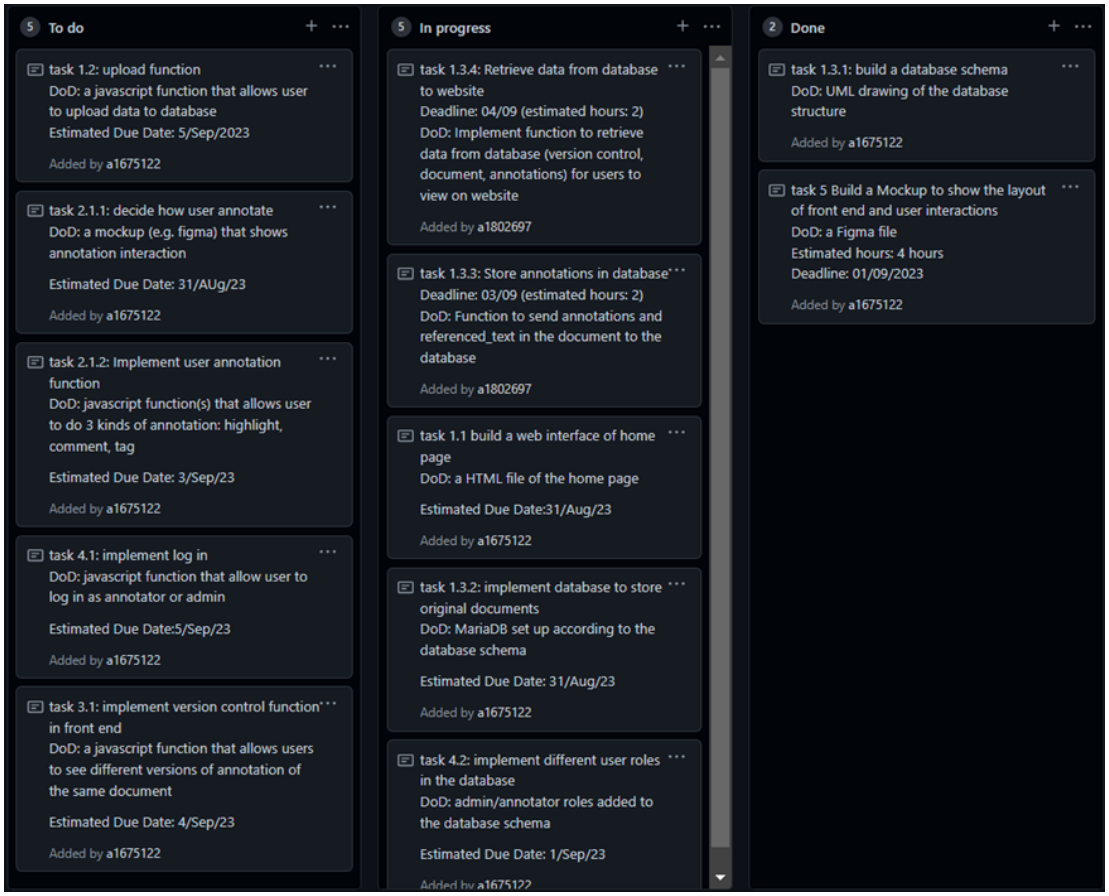

Figure 3: Task board (Sprint 2)

Sprint Backlog

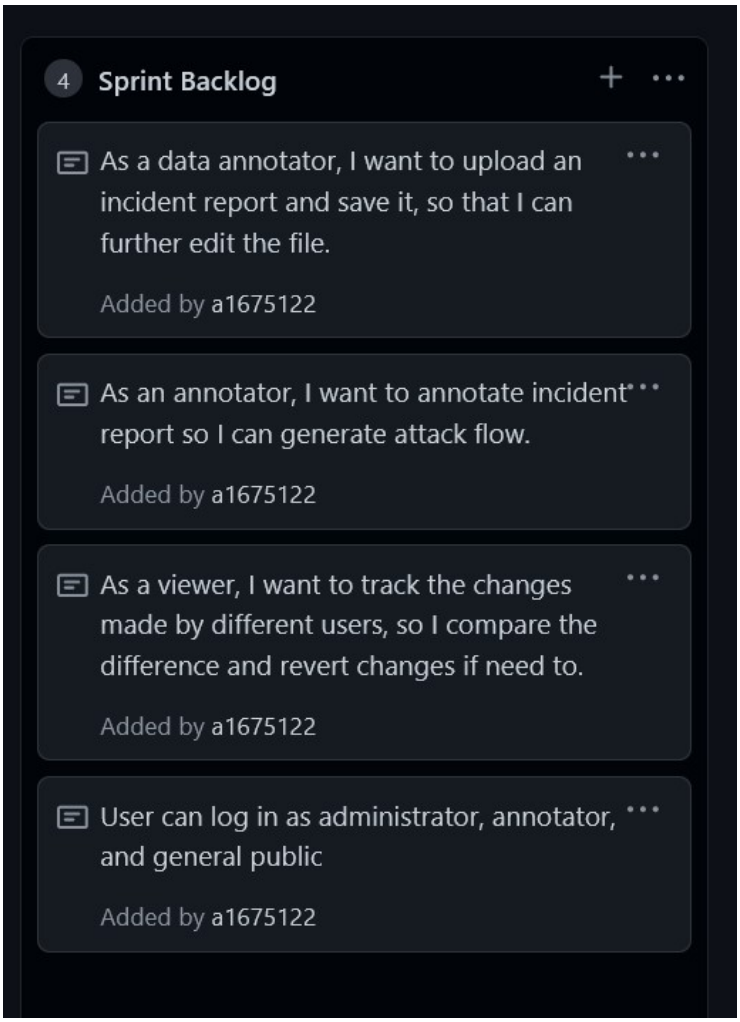

Figure 4: Sprint Backlog (Sprint 2)

User Stories

No new user story was added in this snapshot.
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 user interface and user experience adhere to the provided design specifications.
- The user story mockup is ready for presentation in the sprint review
- Sufficient documentation is provided.
- Coding standards are used.

Summary of Changes

Last week's snapshot had a focus on the most fundamental **functional requirements**: upload and annotate. We allocated tasks on database design and front-end coding but quickly realized that we couldn't jump into coding without agreeing on a general design first. So this week we made a mockup in preparation for the coming client meeting with the tutor, where we will demonstrate the website design and validate user requirements before the building starts.

- **A mockup was made using Figma.** The mockup shows the layout of the website homepage, the user interactions when uploading files, searching in the attackflow database, and annotating reports (not yet finished). We discussed the design during a team meeting and were able to reach an agreement.
- **The front-end development environment is set up.** Vue, node.js are installed and skeleton code is written for the website homepage based on the design of the mockup. The front-end code is uploaded to the git repository and read-me files were added/edited.
- **Database initial setup is complete.** A database schema is made and a database was setup using MariaDB.