Grooming Backlog Meeting 6
Members: Jacob Schuster, Owen Weng, William Duran
Date: 11/27/23
Start time: 10:00 PM
End time: 11:00 PM

Introduction: Our project is to build a database to store properties and relationships of materials for coastal construction. We hope this product can facilitate the development of new materials, and increase cross-collaboration within the field.

Epics:

- Users should be able to browse materials
    - User story 1:
        - Create a higher-fidelity graph database schema with more data models and relationships.
    - User story 2:
        - Finish creating a page where users can browse for materials based on chemical composition, applications, strength, environmental effects, and other attributes.
    - User story 3:
        - Finish the material upload questionnaire to optimize the amount of data that can be pre filled by LLM models.
    - User story 4:
        - Allow users to save materials that interest them, and notify them when new/similar materials are added to the site
    - User story 5:
        - Finish creating a visualization where users can view research papers, and the materials associated with them. Papers should be clustered according to their semantic similarity.
- Users should be able to upload new materials
    - User story 1:
        - Create a system to ensure users are associated with an acceptable institution before they can upload materials.
    - User story 2:
        - Finish integrating a Langchain backend to parse data from research papers, automating parts of the new material submission process.
    - User story 3:
        - Create a portal for site administrators to review and accept material upload requests.

Timeline: For this sprint, we need to work on finishing the stories currently in progress. We also need to dedicate time to work on the poster, and prepare for the showcase.