

Grooming Backlog Meeting 3

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Date: 10/02/23

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:
 - Finish refining the graph database schema to store attributes of materials and establish relationships between them.
 - User story 2:
 - Create a frontend where users can browse for materials based on chemical composition, applications, strength, environmental effects, and other attributes.
 - User story 3:
 - Integrate NextAuth so users can create an account and interact with the application
 - User story 4:
 - Allow users to save materials that interest them, and notify them when new/similar materials are added to the site
- 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 want to finish deploying the database schema, and finalize the online data collection form. We also want to complete an initial LLM integration, and collect feedback from our audience. The frontend will continue to be polished, and we will work on building out the rest of the functionality of the app. The goal is to have a functioning prototype by the end of September.