CS 546 Final Project Proposal: **Board Hub**

Team Members:

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Introduction

The modern organization desires efficiency in its working pipeline, and so AGILE boards have risen in the mainstream as a workplace mechanism for helping organizations improve workflow. **BoardHub** aims to serve as a lightweight and free alternative to software such as Atlassian's Jira, while still providing all of the necessary and helpful features that people come to expect from a sprint board.

Core Features

- **Navigation Bar**:
  - Logo, clicking will return to landing page
  - '?' button to learn more about the developers and motivation for the site
  - Login/Account Button
    - If logged in already, it will be an account button to take them to the 'User Profile' Page
    - If not logged in, clicking Log in will take them to 'Login/Sign up' page
- **Landing Page**:
  - Basic introduction to the website with a login/account button in the center depending on if the user is currently logged in or not.
- **Login/Sign up Page**:
  - Email verification
  - Password/Username recovery/change
- **User Profile Page**:
  - See all current boards
  - Ability to add a new board
- **Board Page**:
  - See each column with cards in them
  - Click on cards to get more info and ability to edit them
  - Move cards around to different columns
  - See all members of board
- **Add Board/Edit Board**:
  - Create a board to be used to organize things in a topic
  - Can share this board with other users

- ○ A 'default' board will be constructed, but it can be changed according to the team's style
- ● **Add Card/Edit Card**:
  - ○ When inside a board, create cards to be in that board
  - ○ Cards can be assigned to members collaborating on that board
  - ○ Cards can be given 'story point' values to show the amount of effort needed to accomplish the task
  - ○ Cards can be given Due Dates
  - ○ Cards can have descriptions and/or checkpoints
  - ○ Cards can be categorized with a colored label
- ● **Add Sprint Column(list)**:
  - ○ When inside a board, create/remove sprint columns (lists) to better organize
  - ○ Able to move selected cards within a column to another column
- ● **Calendar File:**
  - ○ Generate based on tasks with due dates
  - ○ For downloading

Extra Features

- ● Implement Timestamping in the DB to keep track of last edit of the board
  - ○ Activity Log as well?
- ● Export to Google calendar:
  - ○ Put information into a iCal format (Format used by google calendar)
  - ○ Host the .ics to update when new cards with due dates are added
    - ■ Would probably require adding stuff to the DB
  - ○ Display the google calendar on the website
- ● Live updated when someone on team updates board, it refreshes your page/adds the info to the page
- ● Show members currently viewing the board
- ● Background picture / visual customizations for board

GitHub Repository

https://github.com/roccopolimen/board-hub