

Team Number: 105\_3

Team name: while(e\_coyote)

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#### Project Features List:

- User creation and login
  - Description:
    - Users can create an account and log in
    - Password recovery
  - Tasks:
    - Frontend login page development
      - Design aesthetics, integrate with backend
    - Backend login page development
      - Add registration functionality
      - Add login functionality
    - Database login page development
      - Store user info (passwords) securely
      - Let backend query user info for account information and hashed passwords
- Calendar landing page
  - Description:
    - When you log in, the home page will show your schedule for the current week
  - Tasks:
    - Design theme for page including CSS templates and HTML
    -
- Recurring event capability
  - Users can add recurring events to the calendar (practices, school, work, etc)
    - Repeats every <frequency> until <end date> (or forever)
    - Recurring events are stored in a simple JSON object, and then dynamically placed into calendar
- Project planning capability
  - Users can add "project" that is planned out for them
  - Calendar will suggest times to work based on user availability, project due dates, and other active projects
  - Calculate free time slots in schedule between start and end date.
  - Place events into free slots, try to spread as even as possible
  - Events are stored in their own JSON objects and then dynamically placed into calendar
- Calendar shifting capability

- User can adjust the time window displayed on the calendar (months, years)
- The calendar is just a really html big table, each time user pages to new view calendar is dynamically updated by removing old events and refreshing with current events.
- Reminders capability
  - Calendar will send reminders a few days before due dates through email
- Aesthetic tweaking capability
  - User can adjust color of events in calendar

Stretch goals:

- Users can set the priority of events and projects so time can be shifted around accordingly
- Clicking events pops up info about them (links, descriptions, etc)

Requirements:

- A digital calendar - FUNCTIONAL
- Login and registration - FUNCTIONAL
- Reminders - FUNCTIONAL
- Project planning - FUNCTIONAL
- Recurring events - FUNCTIONAL
- Add, modify and delete events - FUNCTIONAL

Project Plan:

Using Trello as Kanban board to manage feature implementation:

SmartCal

SmartCal

Free

Team Visible

NE

JH

L

TW

6

Invite

To Do

🕒 20 Mar

Email reminders

🕒 20 Mar

NE

Display events in calendar

🕒 20 Mar

L

V

Display Dynamic Events

🕒 3 Apr

L

V

Event prioritization

🕒 10 Apr

host and share

🕒 17 Apr

JH

L

NE

TW

V

UI Tweaks and bug fixes

🕒 21 Apr

JH

L

NE

TW

V

+ Add another card

In Development for next week

Password recovery

🕒 13 Mar

NE

Display Calendar home page

🕒 13 Mar

L

V

Allow users to create events and send event data to server (not display it)

🕒 13 Mar

NE

Develop smart scheduling system

🕒 13 Mar

JH

TW

+ Add another card

Completed

Login and registration frontend

Login and registration backend

Clean up login and registration backend.

NE

+ Add another card

<https://trello.com/invite/b/6By803Hq/3981493e5dc146a0212f81a2ed7d0ba9/smartcal>