

Team Inflated Fishermen: Clement Chan, Joseph Lee, Yifan Wang, Emily Zhang

Project Name: Time Page

SoftDev1 - pd1

Design Document

Roles:

Clement Chan - Groups, Database

Joseph Lee - API Integration, Priority

Yifan Wang - Project Manager, Credibility

Emily Zhang - Calendar Display, Functionality

Project Description: Crowdscore Calendar (Time Page)

In the midst of all the work and extracurricular activities, it may be hard for a student to keep track of all of his/her responsibilities. We wish to design a platform where students can schedule their time and and crowdsource their assignments/deadlines with ease.

On the website, students will have a fully customizable, crowdsourced planner. Students can view the tasks/events for “Today” ordered by priority assigned by the user. Students can also view what’s going to occur/be due later in the week. Additionally, students can view their tasks/tasks on a monthly calendar. Their tasks/events can be added personally, but if you join classes/clubs/private groups, the tasks/events posted by other students in those groups will be also part of your planner. Lastly, we will have a “profile page” for each student where they can edit their information, such as name, email, and groups joined, and also view their credibility score. The credibility score will increase/decrease depending on the number of upvotes/downvotes on a person’s posted tasks and the number of tasks a person posts.

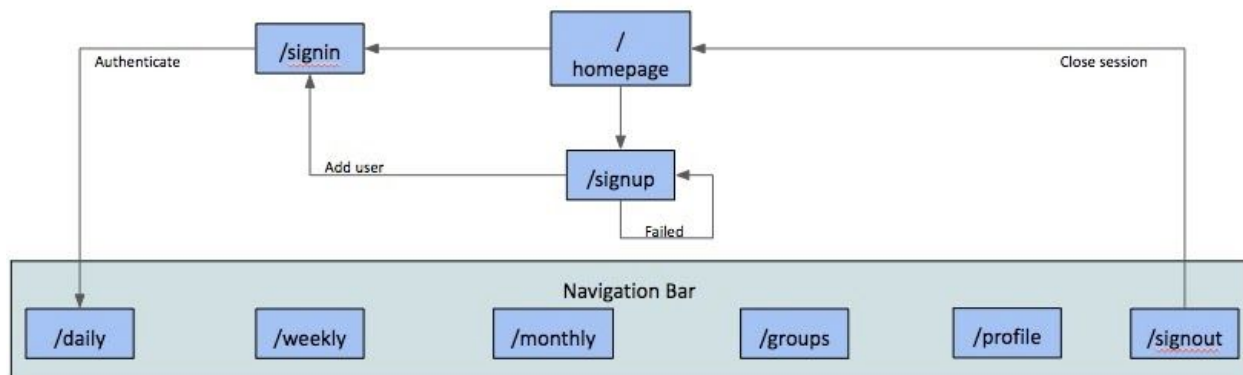
As our front end framework, our team has decided to use Bootstrap with additional HTML, CSS, and Javascript components. We chose Bootstrap over Foundation for the variability in its design, allowing us to customize our website. Also, Bootstrap is the framework that our team members are more familiar with and thus are more comfortable utilizing.

Site Features:

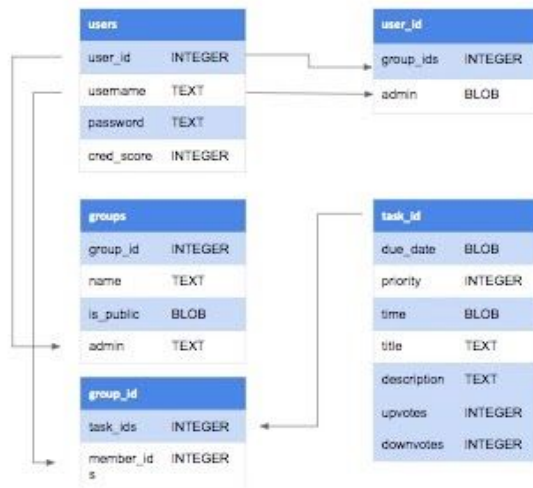
1. User must create an account and be logged in to use this site
2. Planner/“Due Tomorrow”/To-Do List
 - Default display: Today’s To Do List, with options of weekly and monthly view (navigation bar)
 - Users can add personal tasks
 - Users can add tasks for groups they are part by selecting a group on the drop-down menu
 - To Do List
 - Tasks with name and optional description
 - Orders by user-defined priority. If priority is undefined, it is ordered from earliest to latest due date
 - Display the day a task was assigned/updated and due date (small, gray font)
 - Monthly
 - Displays tasks on a calendar

3. Priority for assignments
 - Assigned by the user
 - If not assigned, the task will be displayed below prioritized
4. Create public groups (classes/clubs) or private groups (group projects)
5. Join public groups (classes/clubs) through a search bar and a suggested list of groups
6. Admins can invite members to private groups
7. Calendar filters by groups and courses
 - Integration of Google Calendar API to sync and add in holidays
8. Upvote/Downvote are available to group tasks and affects user credibility
 - Tasks made by users with a low enough credibility will be put on the bottom with a font color of gray, unless it gains enough upvotes
 - Users with high enough credibility will be able to edit grayed out task descriptions from other members
9. Filter their tasks/events by group
 - Checklist on the monthly calendar that allows user to select which group's tasks to display
10. Choose to post tasks to their personal calendar or to groups
11. Group creators are automatically admins and have extra authority to delete tasks, invite members, make members admin, and remove users from groups

Site Map:



Database Layout:



Component Map:



APIs

API	What is it used for?
Google Calendar API	This API will be used to sync and add in

	holidays
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Soft Dev tasks:

- daily / to do list (Emily)
 - Include description
- Monthly
 - All tasks with descriptions (Emily)
 - Checklist for which group's info to display
 - Color code tasks (Clement)
- Groups
 - Create (Clement)
 - searches (Joseph)
 - Requests (Clement)
 - Individual groups page: diff route by group ID (Clement)
- Profile (Yifan)
 - Credibility score