

Team Name: Inflated Fishermen

Members and 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.

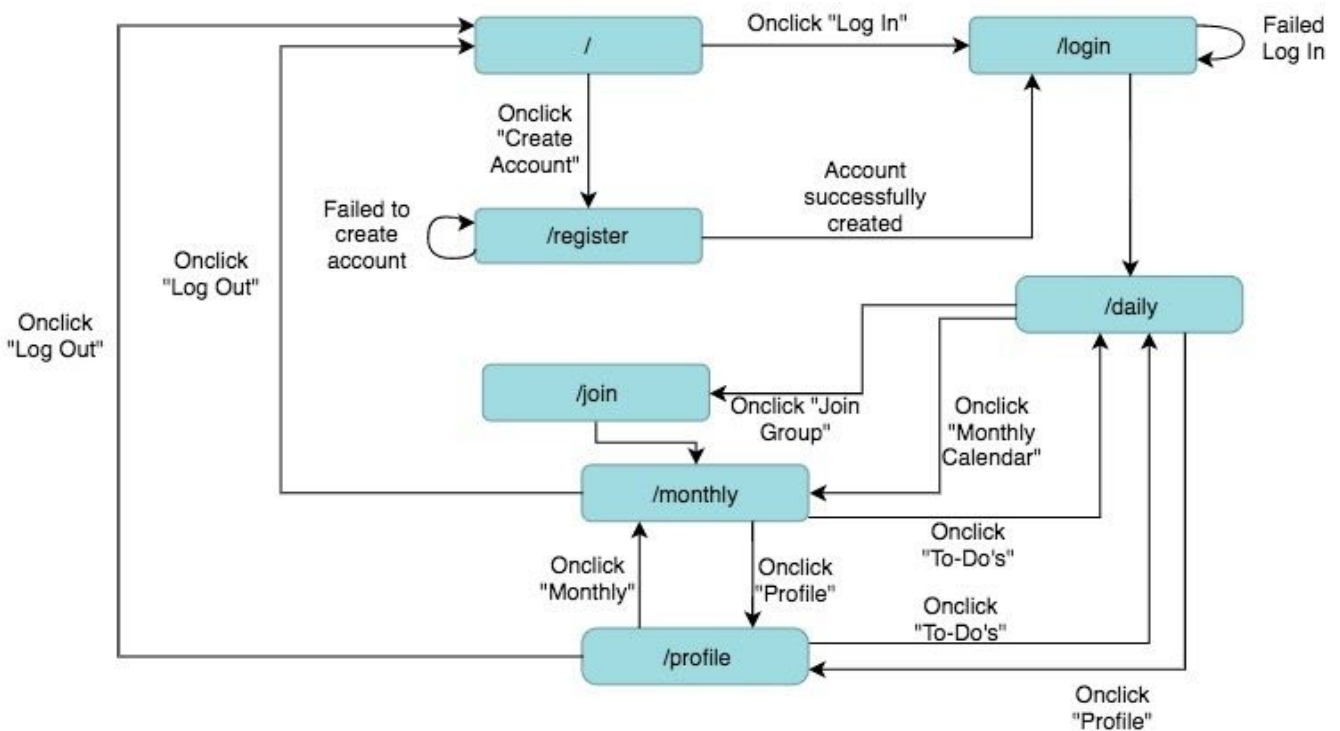
As our front end framework, our team has decided to use Bootstrap with additional HTML, CSS, and Javascript components. We chose Bootstrap over Foundation for the variability in its design, allowing us to customize our website. Also, Bootstrap is the framework that our team members are more familiar 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 of
 - 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. Calendar filters by groups and courses
- 7. Upvote/Downvote content credibility
- 8. Filter their tasks/events by group
 - Checklist on the monthly calendar that allows user to select which group's tasks to display
- 9. Choose to post tasks to their personal calendar or to groups
- 10. Tasks made by users with a low enough credibility will be put on the bottom and a font color of gray, unless it gains enough upvotes
- 11. Users with high enough credibility will be able to edit task descriptions
- 12. Integration of Google Calendar API to sync and add in holidays

Site Map:



Database Layout:

Users:

(Students and Teachers, determined by a User ID prefix: S082 v T002)

User ID	Username	Password	Credibility Score
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Groups:

(courses, clubs, groups for group projects)

Group ID	Group name	Admin ID (optional)	Private?
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Rosters:

Group ID	User ID
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Content:

Group ID	Task ID	Due Date	Priority	Time	Title	Description	Upvotes	Downvotes
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Component Map:

Frontend	Interaction	Backend
Sign Up Username, password, confirm password	User enters in fields. Live response for password confirmation and press button to register user.	Users Table - Checks if username exists: adds new user data or fails
Sign In Username, password	User enters data and is validated and logged in or receives an error message.	Users Table - Validates and opens session or gives error.
Add Tasks	Users enter data regarding the task, its deadline, description, etc. Users may choose to add tasks to their personal planners or group's planner	Content Table - Adds corresponding information if available
Create Groups	User may create groups with unique course names, club names, or private groups like projects	Groups Table, Rosters Table - Add new group to groups table with all information, create roster table for that group and add all users
Set priority for task	User make assign priority for different tasks, which then is used to	Content Table Add priority assigned by

	determine the order that the tasks appear on the to do list	user; tasks due the following day will automatically be assigned a priority of 3 stars (highest)
Search Public Group	By clicking on a button in the navigation bar, the user will be redirected to a webpage where he/she can search for public groups provided the name and ID	Groups Table - Searches through Groups Table to look for user specified group
Join Group	Click button to send a request	All group members will receive a request notification; any member that confirms will add the user to the group
Filter groups in todo/monthly tasks	View selected groups' tasks/events on a checklist of all groups the user is part of	Content Table - Separates tasks displayed on calendar by Group ID
Editing Information	Users are allowed to edit their information on the profile page	Users Table - Change corresponding values based on updates
Sign Out	Press sign out button on the navigation bar	Closes session

APIs

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