

Team Mathamphetamine - David Lupea, Brian Moses, Mohidul Abedin, Devin Lin
SoftDev pd.2
P #02: Final Project
2020-01-05

Roles:

- David Lupea: Project Manager
- Brian Moses: APIs/JS
- Mohidul Abedin: Database work/Flask
- Devin Lin: HTML/Bootstrap

General Usage: We plan on making a site similar to Monday.com for project management.

APIs Used: MapQuest, Google Calendar API, Reddit API (Nice to Have)

Frontend: Bootstrap

Program Components:

- **Accounts**
 - Users are directed to a page where they can either login to their account or register a new account
 - Login- Leads to a new page where the user can input their credentials. If correct the user will be prompted to homepage, else they would be redirected to the login page
 - Register- Leads to a new page where the user has to input their information. Upon registering, the user will be directed to their newly created homepage
- **Profile**
 - On the home page, users can see their profile.
 - They can view:
 - Projects that are active, with a link to each
 - Any rewards they have received
 - Users will also have the ability to create a project with a click of a button
- **Project List:**
 - This webpage provides a list of links to the user's active projects.
 - When the user clicks one of the links, they go to a specific project's page.
- **Project Page:**
 - Provides information on the project:

- Members: List of members with the option to add new members
- Tasks: Allows you to add tasks with descriptions, assigning them to people.
- Meetings: Allows you to set times and locations to meetings.
- To-do lists: Shows a calendar with upcoming deadlines and things due then.

APIs and why we are using them

- MapQuest: this geolocation API will allow the user to easily organize a meet-up with their team at a determined location. The API allows for easy lookups for cafes and restaurants that can serve as convenient meetup locations.
- Google Calendar API: this API will be used to highlight upcoming deadlines specified for the project set by the project manager. Every project will have its own calendar.
- Reddit API: this API will allow us to redirect users to posts from subreddits to help people take breaks. In other words, give them a sense of pride and accomplishment

Database

users	
username	text
full_name	text
password	text

users: (contains all users)

username	
project	text
owner	text
reddit_posts	int
address	text

username: one table for each user, gives projects that they're a part of and who the owner is

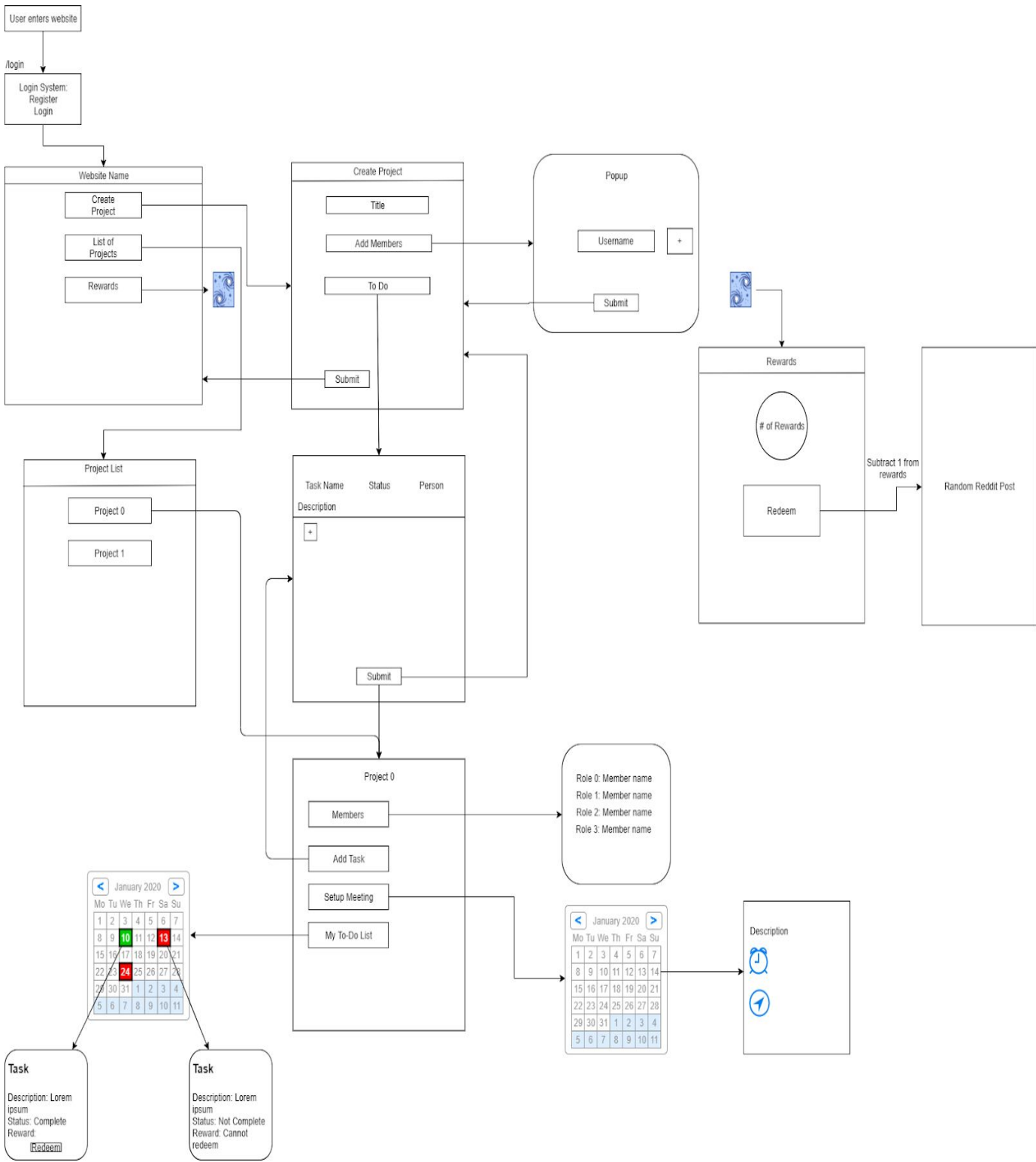
* prizes is a 'nice to have,' showing the number of random reddit posts the user has

owner_project	
member	text
task_name	text
task_description	text
task_assigned	text
task_status	text
task_due_date	text
meeting_name	text
meeting_description	text
meeting_location	text
meeting_date	text

owner_project: one table for each project, giving:

- members
- tasks and information about them
- meetings and information about them

Sitemap:



Component Map:

