

Team Name: Midsummer Night's Team

Members: Justin Adkins, Jamison McGinley, Jennifer Gurtler, Julien Rumsey, Shania Roy,
Parikshit Bhetwal

Project Management Tool: The project management tool that we shall be using is Trello to track the progress of our project.

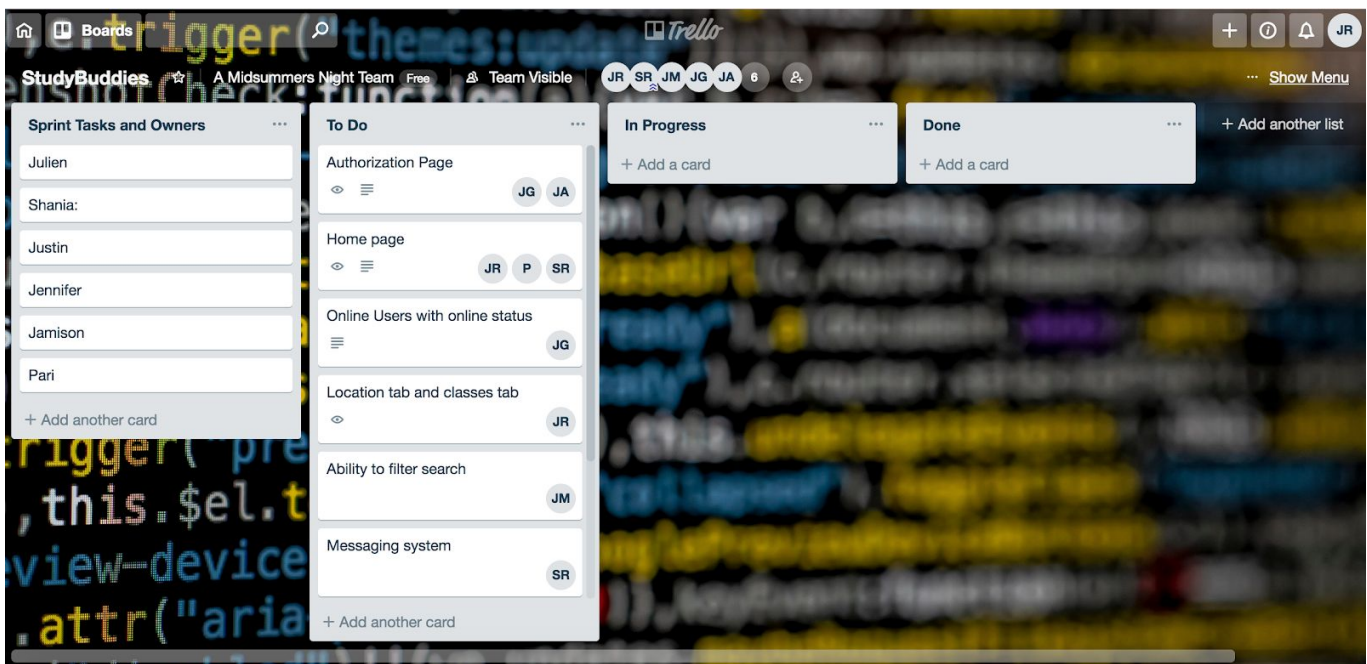
Requirements for our project:

- Log in system - this will allow the users to actually have access to our website
- Name/class database - this will hold all the users in a database and also hold the classes that are offered at CU Boulder
- Location matching to study - this will allow users to match their location with individuals who are in the near proximity so that they may work together
- Home page - this will be the landing page of the website which will have the visual side of the login.
- Ability to chat with students - this will allow users to connect with other students for further help
- The website must account for overflow (This can be done with CSS)
- We must implement testing such that our website is running optimally
 - All pages linked together
 - All the buttons on the website must function properly
 - Our database must function properly such that it is updated correctly
- Ability to search for students (online or offline)
 - This search must also have filtering capabilities
 - These filters would include rooms, classes, and students with ability to combine these filters
- Check in ability
 - This will mean users will be able to indicate whether they are available or not

Project Plan:

- 1) Authorization page/Login page
 - a) Login Page and signup page are independent of each other
- 2) Home page
 - a) Home page and page flow system in place (HTML/CSS)
 - b) This will use contrasting colors and use of alignment and other design fundamentals to make our page appealing
 - c) This shall include a search bar which can be filtered
- 3) Database
 - a) Name storage and matching based on class
- 4) Chat
 - a) Email based -> in site based direct chat
 - b) Connects students
- 5) Checking in
 - a) Making profile active/non-active
 - b) Specify current study room
- 6) Location matching
 - a) This matches students so that they can work on assignments together

Plan Cycle within the Project Management Method:



Agile Methodology:

1. What have you completed since the last meeting:

Pari Bhetwal: I have read up on/researched Node.js and its relative, react, because we may be using it such that our website does not need to refresh every time. Also, I have brainstormed on possible steps that we can take in implementing our project.

Julien Rumsey: I brainstormed ideas about the look of the website, what each page will look like and function.

Shania Roy: I did independent study on Node.js and also brainstormed.

Jennifer Gurtler: I was studying Node.js, and brainstormed on what things need to do to create the website.

Jamison McGinley: I read the documentation on bootstrap.js and its potential function in the site.

Justin Adkins: I've done tutorials on Node.js with express, React.js, general JavaScript fundamentals. I also researched how we can build a login / authentication page.

2. What will you complete before the next meeting:

Pari Bhetwal: I will read up more on Node.js and JavaScript then attempt to implement them with exercises I find on the internet. I will also practice more of HTML and CSS because it is directly related to the front end of our project. I will also attempt to work on the homepage of our project.

Shania Roy: I will work on the design of the homepage and draft implementation.

Jennifer Gutler: I will work on the authorization page and online users and online status.

Julien Rumsey: Create a basic template of what the website homepage will look like on HTML/CSS. Create the Login Screen and the Signup page.

Jamison McGinley: I will look into the way that the backend database will function/ how it can be built using SQL (lab learning pending).

Justin Adkins: I will be finished up my Node.js tutorial and attempting to get our http server up with the beginnings of an authorization page. We will also be able to start implementing templates onto pages, even if not functional to get a feel for the look / design of our website.

3. Describe any obstacles or roadblocks you face:

Jennifer Gutler: There are some languages that I didn't understand because I never use them before. Although I learned how to use HTML in this class, there are other advance languages that I need to learn to create the webpage.

Pari Bhetwal: Time constrictions that are related to my other courses will make it difficult to study the respective languages we need to learn for this project. However, I will reserve my time for this project such that I can work on it over the weekend as well. Specifically, I need to understand react more so that we can make our website not have to refresh every time a request is made by a user. I also need to study on HTML more so that I can create the website faster and not stumble with syntax/logistics.

Shania Roy: It was slightly difficult understanding some of the topics I was reading about without any formal teaching.

Julien Rumsey: An obstacle that I am have a basic understanding of HTML, I plan on learning more about how to design a website through youtube as well as helpful websites.

Jamison McGinley: Time constrictions limit my ability to conduct individual research into different software options. I need to have a better conceptual understanding about how the front end and back end mesh together.

Justin Adkins: My biggest obstacle is the time constraints I have due to my busy schedule as well as putting all the pieces together. JavaScript has a lot of frameworks / libraries / API's, and understanding how they can all work together is challenging for a beginner.

What will we do differently/how to improve next week?

We talked through what tasks each of us will have as well as what each of us will be doing in between our next meeting. We created a Trello account that described all of our tasks and objectives. We will have a basis of knowledge from our independant studying of Node.js and it will be easier for us to understand the concepts we are learning this coming week. We will work more as a team to design and solidify our plans and assign definite roles.

Timeline:

Week of 10/8:

- Solidify Requirements
- Finalize plans
- Establish trello
- Milestone 2
- Play around with softwares/languages involved

Week of 10/15:

- Work on Milestone 3
- Begin authentication pages
- Set HTML file to port such that website can be seen without the file itself
- Draft design of webpage/homepage

Week of 10/22:

- Finalize design of webpage
 - Login page
 - Signup page
 - Homepage
- Work on functionality of authentication pages
- Linking pages/ redirects

Week of 10/29:

- Populate site with users(test or real)
- Work on storing/querying database of users

Week of 11/5:

- Continue working on storing/querying database of users
- Filtering through students based on online status/offline status
- Chatting between users

Week of 11/12:

- Continue working on storing/querying database of users
- Continue filtering through students based on online status/offline status
- Check in abilities to go online/list location(of the user)

Week of 11/19:

- Begin “Friending” and connecting users
- Edit Search filters

Week of 11/26:

- Begin “Friending” and connecting users
- Finishing filters

Week of 12/3:

- Testing/debugging/enhancing and presentation

Week of 12/10:

- Testing and presentation

Week of 12/17:

- Testing/presentation/lessons learned