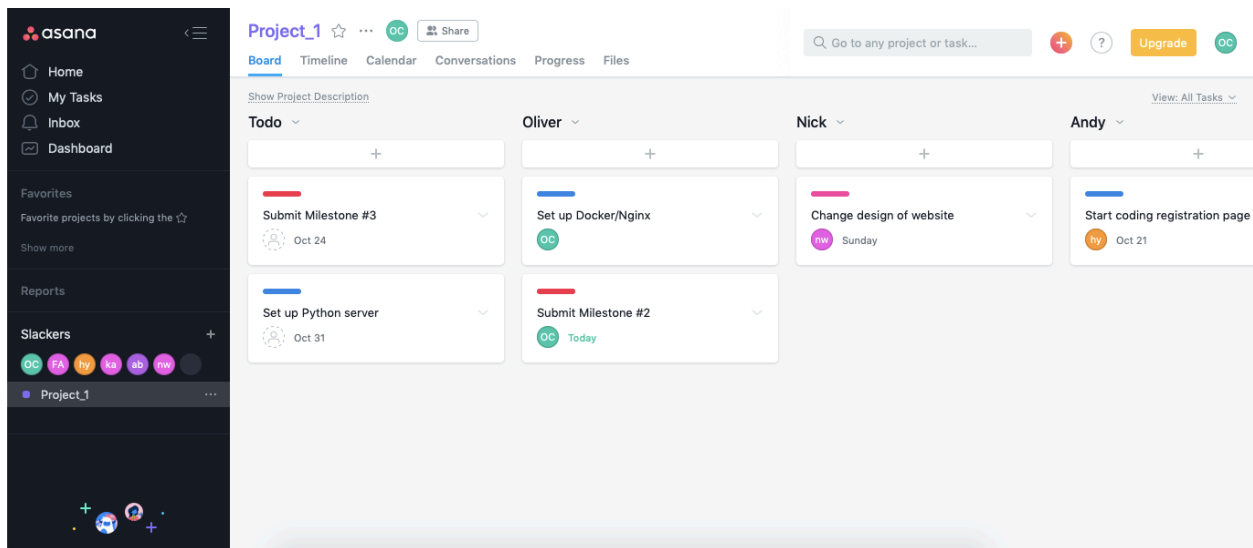# Milestone #2

Project Management Tool:

      For this project, we will be using Asana to document and manage all of our tasks. The way Asana works is that you have different people, and you can give them individual assignments, deadlines for those tasks, and you can separate them by color, so they are easy to filter. Also, you can make a Todo tab, where we can grab work if you have little to do, or we think we can accomplish it quickly.

Project Requirements:

At a large scale, the functional requirements we have are the ability for users to log in, the ability to create a new account, and a forum containing posts.

The user login page will need to allow users to enter their username and password to access their account. We will build the frontend in HTML and CSS, and we will make it in a way where it will have space for the user to enter their username and their password. From a UI/UX perspective, once a user logs in, they will instantly be able to create forum posts. From a non-functional aspect, we will need to have a database (built in PostgreSQL) that contains usernames matched with their passwords. Our team will develop some Regex that verifies that the username exists and that the password is correct, and tells the frontend if the user is allowed to log in.

The create a new account page will be linked to in the user login page or combined with it. It will have a section to enter a username and two fields to create and verify a password. If the user enters valid information, it will create a new account for them and log them in. We will build the main page in HTML and CSS, which will involve linking our frontend code to a database to check username and passwords and check if they both match and are valid. Developing the frontend will also include connecting to our PostgreSQL database and using Python to verify and communicate between the front and back-end.

The forum will need to allow users who are logged in to view and post new forum posts. The posts will be in order, with the most recent post at the top. It will also need to display the username of the user who posted on the forum board. The forum will be infinite scrolling so that all posts will be viewable on the same page. It will involve connecting to a database that contains the title, body, time and date of the post, as well as the user who created the post. Our application

will also need to add new forum posts to the top of the forum page, and only allow users who are

logged in to post new content.

Project Timeline:

Milestone	Description	Date Due	Assigned To:
Get all pages set up	Create all the .html pages with baseplate css	October 19th	Everyone
Finish styling for application	Finish at least the majority of the styling for our html pages	October 31st	Nick
Database design	Create our data model and overall design of our database	November 2nd	Coco + Kayden
Backend Services	Get all javascript, python, docker, and other backend services set up	November 1st	Oliver
Run tests on website UI	Create some basic tests using mocha on all pages	November 5th	Nick
Finish Database	Get our database set up and make sure it links to our site	November 16th	Coco + Kayden
Run final tests on full site	Make sure all tests for our application pass and if not, go fix them	November 20th	Andy
Clean up our code and website	Go through and lint, format, and fix any bugs	November 30th	everyone
Finish presentation slides	Make all presentation slides for final presentation	December 7th	Aniket

Agile Meeting:

Every meeting, we have standup and talk about what we've done since the last meeting, what we are planning to accomplish by the next meeting, and then if we have any blockers. Then we usually talk about any deadlines we have, what we are going to do for this meeting, and then what we plan on doing next meeting and things we need to look out in terms of grades. Once we finish organizing and delegating tasks, we work on anything that is due or we code. Here is the standup we had this past meeting.

Andy: Got the code needed to start login/registration page, and helped work with Milestone #2. Will document how to start up our site. No blockers

Aniket: Help implement the login page and linked up the javascript with Coco. Will start looking at ways to set up the database. No blockers.

Ferderico: Help implement the login page and linked up the javascript with our current pages. Will start working on registration page. Only blocker is data science midterm.

Kayden: Worked on parts of Milestone #2, and got some websites needed for the design of our website. Will continue working on design and possibly help with code when help is wanted. Only blocker is a computer systems midterm.

Nick: Styled the main pages we have so far and looked at different design websites. Will continue working on website, but will help with other aspects of code when needed. No blockers.

Oliver: Worked and finished Milestone #2, finished helping out with the website, and submitted meeting notes. Will continue assisting group with administration needs and help out with code whenever possible. No blockers.

Retrospective:

Overall, we did a great job submitting the milestones on time and getting a great headstart on the codebase. In the future, we will attempt to keep up this pace and stay as creative as we currently as.

You can find our meeting notes https://github.com/Slackers3308/PDFs, but we've included them below as well. These are our 'stand-ups.'

Updates
- Make GitHub organization (Andy Kim)
- Make 3 repos - Meeting notes, Milestones, Code
- Make sure everyone is on GitHub, Asana, Slack, Contact List
- Start working on Milestone #1
  - HTML/CSS/JS for website
  - Python for server
  - SQL for login page
- Meeting structure
  - ~10 minutes going over updates
  - Rest of meeting -> coding

This Meeting
- Talked about features for website
  - Login page
  - Forum page
  - Create user page
- Future features (nice to have)
  - User can delete posts
  - User can reply posts
  - User profile

Next Meeting
- Code up basic static login page
- Get tasks assigned

Updates:
- Kayden finished up Milestone #1

This Meeting:
- Finish Milestone #1

Next Meeting:
- Start coding
- Keep an eye out for Milestone #2

Updates:
- None

This Meeting:
- Start login page
- Look at Milestone #2
  - Fill out Asana sprints
  - Agile/Waterfall
  - Methodology
  - Screenshot of Asana
- Nick working on styling (material design)

Next Meeting:
- Continue coding
- Milestone #2

Updates:
- Nothing

This Meeting:
- Milestone #1
  - Description
  - Vision Statement
  - Motivation
  - Risk Mitigation Plan
- Add Milestone #1 to git
- Book next meeting room (Oliver)

Next Meeting:
- Finish Milestone #1
- Start coding
- Keep an eye out for Milestone #2

Updates:
- Milestone #2 Due Sunday

This Meeting:
- Finish Milestone #2
  - Fill out Asana sprints
  - Agile/Waterfall
  - Methodology
  - Screenshot of Asana
- Andy working on Main page
- Coco working on database

Next Meeting:
- Continue coding
- Look out for Milestone #3