

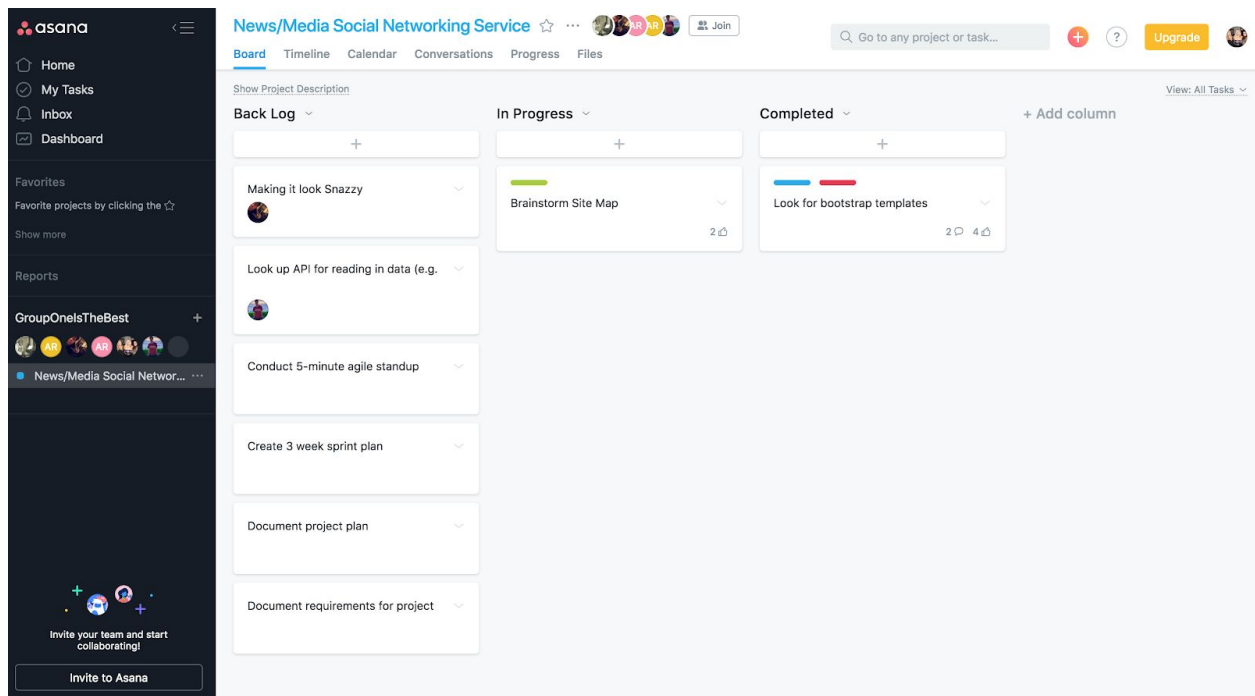
Project Milestone 2 Writeup

Page 1: A screenshot of our project management tool displaying our project dashboard (sprint tasks and owners, todo, in progress and done lists)

Page 2: Describes our project's requirements.

Page 3/4: Provides a detailed description of our project plan showing the order of tasks and who is working on them applied to a calendar.

Page 5: A written descriptive summary of our team's agile standup and retrospective meetings



Project Requirements

Our project management software is Asana. We decided to lay it out using the Kanban approach. So we have a column of items called “Back Log” for all tasks that have been created but not started yet, another column called “In Progress” for tasks that are currently being worked on by team members, and a column called “Completed” for tasks that are finished and/or implemented. Each task is assigned to a specific team member and a due date can be added to each task. Team members can comment on each task and add input. This is great because it creates a platform for collaboration and it keeps each person accountable.

The requirements for our project consist of the front-end, back-end, and middle layer. The front-end is a website which will be written in html and css. Our website will consist of at least a homepage, a login page, and profile pages. The homepage will consist of the main feed where people can read and like/dislike the updates. The point is to read the relative news and see if people are having a positive or negative reaction. If they try to like/dislike a post and they are not logged, then they will be prompted to create a new account. Ideally, we would also like for them to be able to save posts so that they can refer back to these saved posts on their profile.

The website will also require a relevant design that keeps the user interested and is built around functionality and ease of use. We want the design to be simple, clear, and user-oriented without being boring. The back-end is a PostgreSQL database. Our database structure will have tables of users, news items, user posts, and other information such as subject, date posted, and the number of likes and dislikes. The news items will be brought in through appropriate APIs (Twitter, NYTimes, etc.). To tie the webpage and database together, we will use Python and Django.

We learned that connecting the website to the database directly is possible, however it would not be secure and anybody would be able to inspect element and see our database ad relevant info. This is the reason for connecting our front-end and back-end with an integration layer. And since we already know python, it will be easy to learn the necessary packages such as Django.

Project Plan

We used a 3 week sprint layout. Although, we're going to check in every Thursday with the rest of the group. The allotted time for our project isn't as long as it would be in industry. Therefore, we can't risk someone wasting three weeks; this would be a third of the project window. To add a little more accountability, we're going to assign smaller goals to be completed every week.

The graph below displays an outline of our 3 sprints. We hope to have the project finished by the third sprint, so then we can use the remaining time to add style and extra features to our website. As I mentioned earlier, we decided to checkup every week to make sure we're on track to finish the three week total. These smaller goals were documented weekly within each sprint. Additionally, we agreed that all dates discussed should be flexible, because we may have created unrealistic goals.

10/16 - 11/01	Sprint 1
10/16/18	Start Creating Database - Jared & Adam
10/16/18	Build Home and Login Pages - Bing & Claire
10/16/18	Begin looking for news sources - Danny & Austin
10/23/18	Finalize Database/tested - Jared & Adam
10/23/18	Finalize Home and Login Pages - Bing & Claire
10/23/18	Research Middle Layer/Decide on Language - Danny & Austin
10/30/18	Finalize all assignments/assign subtasks as needed - All
10/30/18	Fill database with sample users - Jared & Adam
10/30/18	Finalize link between website and database - Danny & Austin
11/1/01	Conduct Scrum
11/06 - 11/23	Sprint 2
11/6/18	Link Login Page to User Database - All
11/6/18	Establish ability to create new users - All
11/6/18	Decide on All Categories of News/Create Pages - Bing & Claire
11/13/18	Finish all tabs on website - Bing & Claire
11/13/18	Begin designing database for news articles - Jared & Adam
11/13/18	Assist wherever needed - Danny & Austin
11/20/18	Finish article database - Jared & Adam
11/20/18	Finalize overall layout for website
11/20/18	Design middle layer for linking homepage to database - Danny & Austin
11/22/18	Conduct Scrum
11/26 - 12/6	Sprint 3
11/26/18	Begin Project Presentation - All
11/26/18	Establish like/comment/friends - Bing & Claire
11/26/18	Finish up anything needed - all

Summary of Agile Standup and Retrospective

Scrum Standup

- What have you completed: Basic HTML design of the website, completed project management software summary and requirements for the project, learned more about the middle integration layer, might use Django.
- What will you complete: Begin the three week sprint as described above
- Describe roadblocks and obstacles: One roadblock was understanding how the database will connect to the front end
 - Solution to roadblock is connecting the database to language and then using language to ping to web routing number.

Retrospective

- What went well: We have proven to get along really well. Our communication is really good and collaboration and making decisions is very easy for us. Everyone seems excited and willing to contribute.
- What didn't go well: We had trouble planning the next steps in the project. Brainstorms would yield feature ideas which were above the basic requirements. We had trouble focusing on the fundamentals of the app.
- What should be improved upon: We plan to build upon the bullet point above. We are trying to bring it back to the basics and get the baseline of our project working. Then, we can elaborate and create all of the great ideas and functionality that we have been discussing. Additionally, we plan on maintaining the enthusiasm that we currently have, concluding the semester with a project that our group is proud of.