# Jot: Team 4
## CSCI 3308: Milestone 2

Alec Fiala, Bryan Geltz, Girish Narayanswamy,
Hussain Quadri, Jason Savath

5 March 2017

# 1 Project Management Tool

The planning and tracking of our project will be done in a project manager program called Asana. Asana has capabilities that will allow team members to assign tasks to each other and themselves. Tasks can also be marked for completion. A progress chart, calendar, and update statuses are key features of Asana that will inform the team about project progress. A list of functional and nonfunctional use cases that are currently assigned in Asana are shown below.

**Functional Use Cases (in no specific order)**

1. Uploading files

2. Multiple file type support

3. Previewing files

4. Downloading files

5. Search function

6. Login backend

7. Logout backend

8. Share link via FB, Instagram, Twitter, email, etc.

9. Database lookup backend

10. User subscription

11. Functional buttons

12. HTML functioning with Javascript

13. Site wide functioning menu

**Non-Functional Use Cases (in no specific order)**

1. Login page

2. Account information

3. Home screen banner

4. Aesthetically pleasing layout

5. Logout page

6. Buttons and design

7. Menu and design

The project will be divided into 3 separate sprints. The first sprint shall be three weeks which will entail the functionality of the back end coding and the functionality of the front end coding. HTML site will be functional as well as the layout. Database will be fully functional as well. The second sprint will be two weeks, back end will tie together with front end. HTML code will incorporate both javascript and SQL. HTML layout will be completed along with all graphical interfaces. The third sprint will also be two weeks. This the final sprint that will allow the team to test and incorporate the entire code. The use and functionality of the project should be finished at the end of sprint. This will allow two extra weeks for the team to start an additional sprint or apply changes if necessary.

# 2 Plan Cycle within the Project Management Method

The first three week sprint will be to initiate and build the front end HTML and the back end database. The team will be divided into the front end team and the back end team. With little knowledge of SQL, there will be three people working on the back end and two people on the front end. The complete logistic of both should be completed by the end of the sprint.

1. Set up website

   - Alec and Girish to work on creating HTML page for different areas of the website (homepage/login, profile, file upload/download and preview page).
   - Create interface for main application, using PHP and Javascript.

2. Set up database

   - Bryan, Hussain, and Jason will work on main set up of database.
   - We will be adding sample data within the database and will use SQL to test queries on the data.

- Adding a proper layout to the data.

3. Add communication between website and database

  - Use javascript to add link between website and database.
  - HTML will be used to add a proper layout on the web app.
  - Check how upload/download files work and store in database.
  - Linking user information.

# 3 Agile Methodology/Meeting notes

Discussed the sprints that have been added for the coding team to the asana.

1. Assign coding tasks for front end (HTML) development Alec and Girish.

2. Assign coding tasks for back end development Bryan, Jason, Hussain.

   - Using Javascript, MySQL, HTML, and possibly PHP to develop:
   (a) The Database
   (b) The login menu
   (c) The Website
   (d) The GUI for the Website
   (e) Basic traversal functions in the database

3. Risks with the creation of the website and coding tasks for each team

   - Where will this be hosted : For now we will have it locally and during final implementation we may use a domain to be the front facing address for the site.
   - Times to work together for back end development : Database team Thursdays and Fridays after 5pm.
   - Times to work together for front end development :

4. Risk Mitigation

   - Hosting : Bryan will happily host the site in the even that we decide to not buy a domain.
   - Times : Now that the teams are divided up a little more we will work togather to find more times to meet.

5. What has gone well so far

   - Communication
   - Overall understanding of teamwork
   - Developing strategies to handle complex problems

- Splitting the group into teams
- Allowing each team to control their work flow

6. What do we need to improve on

- Setting up meeting times
- Bringing snacks for everyone!!!