Jot: Team 4
CSCI 3308: Milestone 2

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1 Project Management Tool

The planning and tracking of the 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 status. A progress chart, calendar, and update statuses are key features of Asana implements to allow the team to better understand progress throughout the process. A list of functional and nonfunctional use cases that are currently assigned in Asana are shown below.

To view a screen shot of the Asana web-app with the team's requirements, please refer to the last page of the pdf where the image is attached.

Functional Requirements (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

14. Login page

15. Account information

Non-Functional Requirements (in no specific order)

1. Home screen banner

2. Aesthetically pleasing layout

3. Buttons and design

4. Menu and design

5. Easy navigation between groups and pages

6. Well organized layout for storing notes (groups/dates/topics)

The project will be divided into 3 separate sprints. The first sprint will be three weeks long. During the first sprint the functionality of the back end code and the functionality of the front end code will be implemented. The site will be written in HTML, CSS, and JS. The website will have a login screen, which will then transition to different groups where the user can either view or post notes. The database will be fully implemented as well. The backend will be written with SQL and will save the notes documents and save them in an organized structure that combines users to group and the notes in the groups.

The second sprint will be two weeks long. The purpose of this sprint will be to integrate the front end site with the back end database. Additionally intensive testing will test for the robustness and usability of the site-database integration.

The third sprint will also be two weeks long. The final sprint will allow the team to test the final coded product. 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, while two people work on the front end.

1. Set up website

   - Alec and Girish will 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.
   - Add sample data within the database and will use SQL to test queries on the data.
   - Add 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 web-app.

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

   - Using HTML, create a functional front end and user interface for the underlying backend database:
     (a) Functional graphical user interface
     (b) Home page with navigation tools to other parts of website
     (c) Upload page for notes
     (d) Document view page
     (e) Interface with database
     (f) Login page for users
     (g) Search function
     (h) Note browsing page

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

   - Using Javascript, SQL, 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 together 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 additional meeting times
   - Become more familliar with the programming languages we will be using. Front end: HTML, CSS, JS. Back end: SQL

Appendix A: Course Milestones

Project Overall:

⊘ Milestone 1		Completed
⊘ Milestone 2	In Progre...	Tomorrow
⊘ Milestone 3		ToDo
⊘ Milestone 4		ToDo
⊘ Milestone 5		ToDo
⊘ Milestone 6		ToDo
⊘ Milestone 7		ToDo
⊘ Milestone 8		ToDo
⊘ Database SQL		ToDo
⊘ Javascript		ToDo

Appendix B: Coding Tasks

Use Cases:

- ☑ Aesthetically Pleasing Layout (non-functional) — `ToDo` GN
- ☑ Aesthetically Pleasing home screen banner (non-functional) — `ToDo` AF
- ☑ Site wide menu (home page, logout, etc) (functional) — `ToDo` GN
- ☑ Login page/front page (functional) — `ToDo` AF
- ☑ Savable account/login information (functional) — `ToDo` BG
- ☑ Well organized layout for storing notes (groups/dates/topics) (non-functional) — `ToDo` GN
- ☑ Easy navigation between groups and pages (non-functional) — `ToDo` AF
- ☑ Create classes/groups for file sharing (functional) — `ToDo` GN
- ☑ Upload files (pdf, docs, images) (functional) — `ToDo` AF
- ☑ Preview files (functional) (functional) — `ToDo` GN
- ☑ Search files and groups (functional) — `ToDo` HQ
- ☑ File and group lookup in database back-end — `ToDo` JS
- ☑ Download files (functional) — `ToDo` BG
- ☑ Share link with friends/peers (fb, email, text) — `ToDo` AF
- ☑ GUI for file viewing — `ToDo`

Coding Tasks:

- ☑ HTML/CSS/Javascript for front end development — `ToDo` AF
- ☑ Ajax/Json for backend-frontend integration — `ToDo`
- ☑ SQL for database implementation — `ToDo` HQ

Sprint #1 (3 weeks):

- ☑ Set Up Website — `ToDo` GN
- ☑ Set Up Database — `ToDo` JS

Sprint #2 (2 weeks):

- ☑ Add integration between website and database — `ToDo`
- ☑ Test integration and better user interface