CSCI 3308 Project Milestone 2: Project Tools & Agile Methodology Summary

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Project Management Tool

Apollo will be using the project management tool, Trello, for all project task creation, organization, and assignment. Shown below are the project task boards for the Functional Requirements, Non-Functional Requirements, Sprint 1, and Reach Goals that have currently been defined.
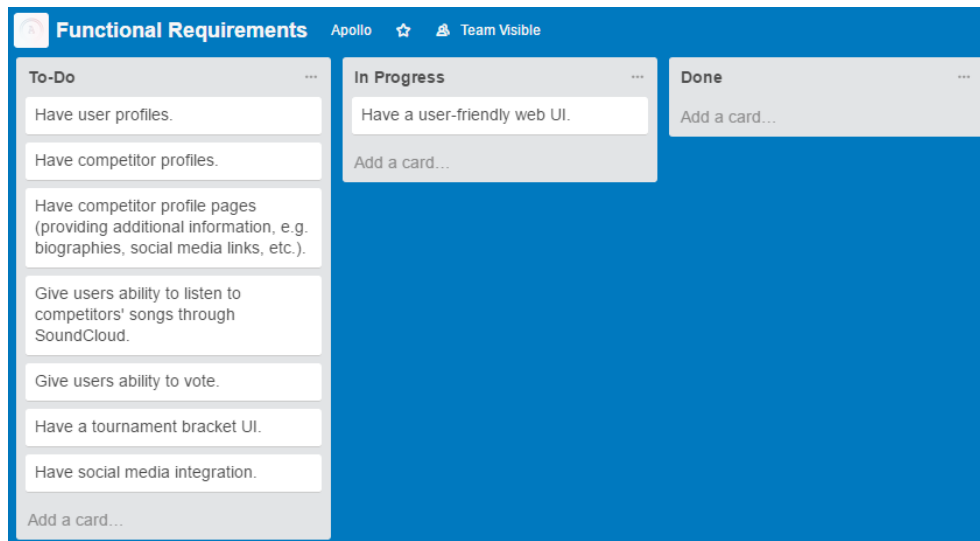

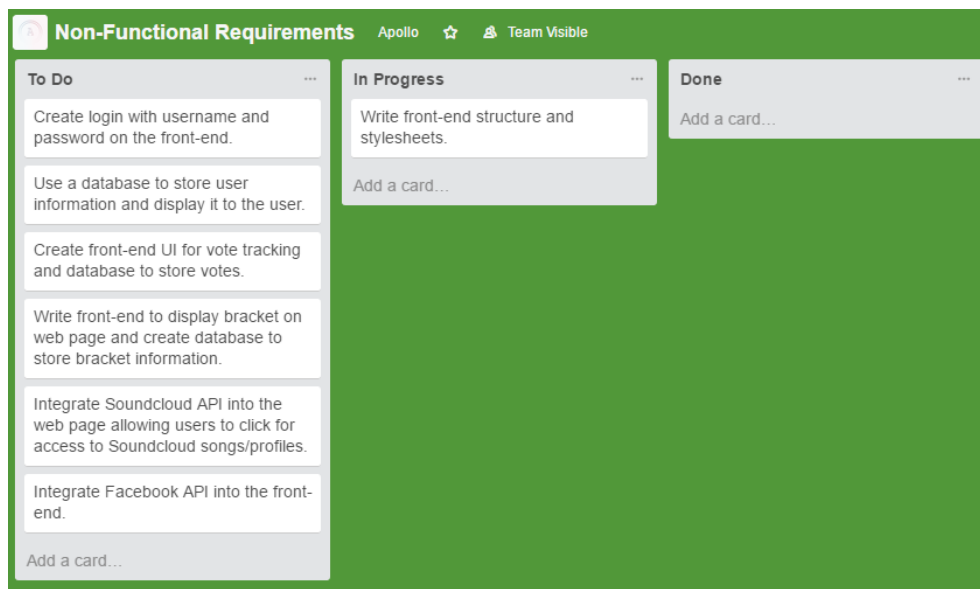**Figure 1. Task board for project functional requirements.**

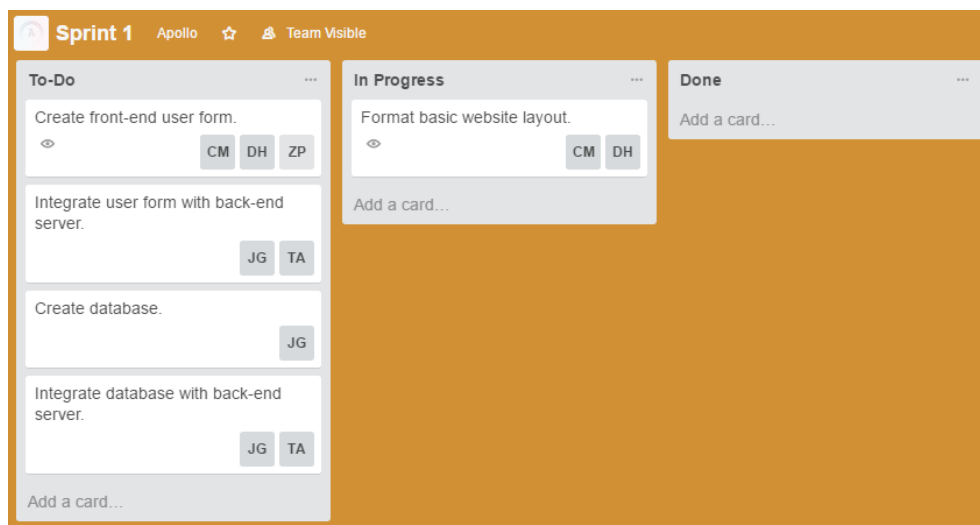**Figure 2. Task board for project non-functional requirements.**

Figure 3. Task board for Sprint 1.

It can be seen that tasks have been assigned to specific group members for Sprint 1 and will be described in further detail in the Plan Cycle section.

Project Plan

The project is going to be separated into three distinct sprints lasting approximately three weeks each. The first sprint will occur from early March to late March. The second sprint will occur from late March to mid April. The third sprint will occur from mid April to early May. The tasks within each sprint can be designated as such:

Sprint 1:

1. Format basic website layout.

2. Create front-end user form.

3. Integrate user form with back-end server.

4. Create database.

5. Integrate database with back-end server.

Sprint 2:

1. Create user profile with username/password login.

2. Integrate SoundCloud API into front-end.

3. Create front-end voting UI.

4. Store aggregate votes in database.

Sprint 3:

1. Create front-end tournament bracket UI.

2. Store tournament bracket information in database.

3. Integrate Facebook API into front-end.

Reach Goals:

1. Create genre-specific tournaments and searching functionality.

2. Make tournament artists anonymous until completion of tournament.

3. Create a settings page to change various website functionalities.

Plan Cycle

For the first sprint, the team is going to complete both the forms for the users and competitors and link them to a created database. The team will also create the basic layout of the website for the front-end.

1. Daniel and Cameron will work on the front-end, which primarily involves the basic layout of the website. However, they will also be working with Zhaozhong to create the user forms. This is planned to be completed half way through the 3 week sprint, on March 16th.

2. Jaden will create the database. Once this is completed, Jaden and Tyler will integrate this database with the server. Both of these are also planned to be completed on March 16th.

3. Once both the front-end and database are created, Jaden and Tyler will integrate the front-end with the back-end so that new user and competitor information can be updated through the website. This is planned to be completed at the end of the three week sprint on March 28th.

Agile Methodology

Agile Methodology

In this weeks agile standup meeting, individual strengths, weaknesses, and challenges that team members have experienced so far were discussed. Specifically, each team member explained their role in the completion of milestone 1. The team members faced few challenges with milestone 1 and it was agreed that all standards were met and exceeded. Also discussed was the progress on the project as a whole, giving the team a better sense of what needs to be done in the next sprint cycle. Team members talked about the research that they have been doing to learn the appropriate languages for the tasks that they had taken responsibility for. Team members found it easy to find the resources online to learn the skills that were needed. Finally, it was discussed what roles each team member will have in the subsequent sprint cycle.

Retrospective meeting

In the retrospective meeting, the team discussed the last sprint cycle and plans for the upcoming one. In the last sprint cycle, the team was able to accomplish all the goals that were set. The team was satisfied with the work that was completed, and everything was completed in time for review and revision by other team members. However the team did run into communication issues that are intended to be resolved in the next sprint cycle. It is also planned to take on more ambitious goals in the next sprint cycle to advance the project as a whole. Overall the team is satisfied with the last sprint cycle and confident in accomplishing the goals for the next one.

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