

CS 3704

Process Deliverable

Kanban Pioneers

Our group decided to use an Agile approach as our software engineering process. So far, we have set up a kanban board in GitHub and created all of our expected tasks in the backlog. We evaluated each task to weigh the amount of effort required for each task and prioritized the backlog. Our first sprint of development began on March 11th and we plan to complete each sprint in 2 weeks. We prioritized our kanban tasks as follows:

P0:

- Set up database
- Set up back end
- Create login/signup page

P1:

- Requirements Analysis
- Process Deliverable
- Decide on languages to use
- Decide on database to use
- Create kanban board functionality
- Create To Do List functionality
- Set up timeline tasks feature

P2:

- Add colors to tasks to highlight blocked tasks
- Create customizable columns

For the P0 tasks, these are the tasks that are extremely important to the entire functionality of the system. Without the database and backend set up, the entire system would not be able to be started at all. The login functionality is also very important to our solution because we are trying to create a personalized experience and need to distinguish users from each other in order to accomplish this.

For the P1 tasks, these are the tasks that still must be completed early on to encourage consistent work flow for our system. However, they are not as vital to the system functionality as the P0 tasks.

For the P2 tasks, these are features that require little effort and do not impact the system. We chose these two small tasks because they are not as important to the solution as the other features. It is more important for our team to prioritize the larger features that will require more time to implement.

Here is what our current kanban board and backlog look like:

