Nihal Rajan

Dion Peng

Lucas Lin

Qusai Ghabrah

Shashank Kumar

307 Project Charter - Team 6

**Problem Statement**

Without an effective management system, it can be difficult to track all the aspects of project stories such as assignee, priority, status, etc. Additionally, discussions about the stories may occur through email, Microsoft Teams, and other platforms which would make searching for conversations about a specific topic from weeks or even days ago difficult. One way to solve this is by having a designated section for comments regarding each ticket as JIRA does. Our project will include a lot of the core functionality of JIRA, but we plan to add other features such as different user roles, email notifications about tickets not recently updated, and scripting where when somebody pushes a commit, a ticket is automatically created for the code reviewer.

**Project Objectives**

* Enable users to view, edit, delete, create, and comment on the stories needed for the completion of a project.
* Support notification and real-time synchronization of stories’ status.
* Allow users to automate the ticket creation process.
* Allow users to assign stories to team members (other users) and themselves.
* Enable users to move stories across the board in the 4 Agile categories: “backlog”, “blocked”, “in progress”, “completed”.
* Allow users to assign points (estimated workload) for stories.

**Stakeholders**

* TAs and Professor Zhang who are grading the assignment.
* The project members who want to see this project succeed.
* Users and managers who will be using the storyboard, for example other software engineers who need a way to manage their future projects.
* Software engineering companies who need a task managing board similar to Atlassian JIRA

**Deliverables**

1. Configurable storyboard that acts as a task manager for software development

* Ability to create, remove, and update stories on board
* Ability to edit different properties about each story and update them accordingly (point value, description, assignments, story status)
* Ability to move stories to different places on the board

1. We plan on making a website using JavaScript and React for the front-end. For the back-end, we plan on using JavaScript, NodeJS, Express, and MySQL.