Kevin Chiu
15-437 Web Application Development
Team 39

<u>Product Backlog</u>

Action	Description
Create Project	Create a project
Update Project	Update project information
Delete Project	Delete a project
Create Task	Create a project task
Assign Task	Assign a task to a user Assign a task to a certain sprint
Delete Task	Delete a task
Update Task	Update a task
Create User	Create a user
Edit User	Edit user information
Delete User	Delete User
Assign User to project	Give users a project they are a part o
Begin a sprint	Create a sprint
Edit tasks and details in a sprint backlog	Change sprint backlog and tasks
Create a retrospective	Create a retrospective for a sprint
Analyze sprint data	Create analytics based off information about the past sprint
GitHub Integration	Manage branches of tasks with github integration(have github links for repositories and branches associated with tasks)
Create Models for database objects	Create models for project, task, user, sprint
Create Views	Create all controller actions
Create templates	Create all HTML/CSS/JS for users to navigate web application
Deploy application	Deploy application to AWS
Create forms for all database objects	Create forms for creating and editing database objects
Validate user input	Validate user input in forms

Sprint 1
Sprint 2

<u>First Sprint Backlog</u>

Project
- Create, Update, Delete

Task
- Create, Assign, Delete, Update

User
- Create, update, delete, assign

Sprint
- Create, edit

Create models, views and templates for above 4 database objects

<u>Product Owner:</u> Kevin Chiu (kschiu)

<u>Database Design</u>

User
- Username (varchar)
- Password (varchar)
- First Name (varchar)
- Last Name (varchar)
- Email (varchar)

Project
- Name (varchar)
- Description (text)
- Sprints (int)

Task
- Name (varchar)
- Description (text)
- Hours Spent (int)
- User Assigned (int)
- Difficulty (int)
- GitHub Link (varchar)

Sprint
- Start Date (datetime)
- End Date (datetime)
- Tasks (int)
- Retrospective (text)