

P-16:Leaderboard Project Plan

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March 5, 2025

Project Timeline

This timeline will cover the planning aspect of all tasks within LEADERBOARD branch. Each member is expected to contribute 3×45 minutes per week.

Team Members:

- Jerahmeel Ual Alcano (Lead)
- Daman Sodhi
- Dilraj Deol
- Puneet Dhawan

0.1 Planning and Design

- Create planning documents for LEADERBOARD branch.
 - Create a outline and rough dates for when tasks are estimated to be finished
 - **Assign to:** Jerahmeel Ual Alcano
 - **Deadline:** March 5, 2025
- Design use case diagrams
 - Create draft then create final of the use case diagrams.
 - **Assign to:** Daman Sodhi
 - **Deadline:** March 6, 2025
- Design class structure diagrams.
 - Create a general class structure diagram for classes in LEADERBOARD.
 - **Assign to:** Dilraj Deol
 - **Deadline:** March 6, 2025
- Create use case descriptions document
 - Identify and provide details to different use cases.
 - **Assign to:** Puneet Dhawan
 - **Deadline:** March 6, 2025
- Review and submit documents for iteration 1:
 - Team review, spell checking, format checkin, proofread, then submit to D2L dropbox.
 - **Assign to:** Jerahmeel Ual Alcano, Daman Sodhi, Dilraj Deol, Puneet Dhawan
 - **Deadline:** March 6, 2025

Milestones:

- team 6 : : iteration 1: March 7, 2025

0.2 Development and Implementation

- **Objective:** Develop and implement a Leaderboard system to display the ranking of all players, with player profiles, and update rankings.
- **Duration:** March 8, 2025 - April 11, 2025 (Post-iteration 1 to iteration 3 deadline)
- **Key Features:**
 - Display players with rank, username, win/loss/points stats.
 - Update rankings
 - Allow to search players in Leaderboard.
 - Allow users to change the filter of the Leaderboard. (descending/ascending order)
 - Allow the users to change the ranking criteria.
 - Intergrate with GUI and other systems of the app.

The Development and Implementation will be divided into phase: Setup, Core Development, Integration, Testing, and Review. Tasks are assigned to balance workload among all team members.

Phase 1: Setup

- **Duration:** March 8, 2025 - March 12, 2025
- **Goal:** Establish rough skeleton code and finalize design for LEADERBOARD

Tasklist:

- Git Repository Setup
- **Start Date:**
- **End Date:**
- **Estimated Time:**
- **Assign to:**

Milestones:

- Setup complete: March 12, 2025

Phase 2: Core Development

- **Duration:**
- **Goal:**

Tasklist:

- `tasks.js`
- **Start Date:**
- **End Date:**
- **Estimated Time:**
- **Assign to:**

Milestones:

- milestone name: Deadline

Phase 3: Integration

- **Duration:**
- **Goal:**

Tasklist:

- tasks_i
- **Start Date:**
- **End Date:**
- **Estimated Time:**
- **Assign to:**

Milestones:

- milestone name: Deadline

Phase 4: Testing

- **Duration:**
- **Goal:**

Tasklist:

- tasks_i
- **Start Date:**
- **End Date:**
- **Estimated Time:**
- **Assign to:**

Milestones:

- milestone name: Deadline

Phase 5: Review

- **Duration:**
- **Goal:**

Tasklist:

- tasks_i
- **Start Date:**
- **End Date:**
- **Estimated Time:**
- **Assign to:**

Milestones:

- milestone name: Deadline

Final Notes

Start coding on March 8, 2025, the earlier the better. Hold weekly meeting with other team leader working on other features. Hold scrum meetings with own team. Branch early and branch often, and commit frequently to GitLab.