Software Design Project Plan

Project Overview

- Facility booking and availability tracking

- Membership and user management

- Maintenance issue reporting

- Event organization

- Reporting

Sprint 1 (07/05/2025 - 14/04/2025)

- User Management
  - Admins should be able to manage users – onboard members, revoke access, assign roles, etc.
- User Verification:
  - A 3rd party identity provider should be used
  - 3 roles:
    - Resident
    - Facility Staff
    - Admin

Sprint 2 (14/04/2025 - 21/04/2025)

- Booking System
  - Residents should be able to reserve sports facilities for specific time slots. Admins can approve/block bookings as needed.

Sprint 3 (21/05/2025 - 05/05/2025)

- Events & Notifications
  - Admins should be able to create events (e.g., tournaments). Users should receive notifications about upcoming events and maintenance closures.

- Maintenance Reporting
  - Users should be able to report facility issues. Facility staff should update status and provide feedback.

Sprint 4 (05/05/2025 - 19/05/2025)

- Notify users of weather conditions affecting outdoor facilities

- Reporting
  - At least 3 dashboard reports:
    - Usage trends by facility
    - Maintenance reports (open vs closed)
    - Custom view Reports should be exportable as CSV or PDFs.

Gantt chart - Predicted Schedule