

Timeline and Schedule

1. Planning (2 weeks)

- **Description:** Define the project scope, goals, and deliverables; assign team roles.
- **Duration:** 02/12/2024 - 16/12/2024
- **Dependencies:** None (initial phase).
- **Milestone:** Completed project plan and initial documentation.

2. Design (3 weeks)

- **Description:**
 - Design the user interface (UI) and create mockups.
 - Define the database schema and structure.
- **Duration:** 16/12/2024 - 06/01/2025
- **Dependencies:** Completion of the planning phase.
- **Milestone:** Approved UI mockups and database schema.

3. Development (8 weeks)

- **Description:**
 - Backend Development: Develop the database and implement CRUD operations; establish client-server communication.
 - Frontend Development: Develop UI features such as login systems, group hierarchy, and chat functionality.
- **Duration:** 26/12/2024 - 20/02/2025
- **Dependencies:** Completion of the design phase.
- **Milestone:** Fully functional backend and frontend with integrated core features.

4. Testing (3 weeks)

- **Description:** Test the application, gather feedback, and refine based on results.
- **Duration:** 10/02/2025 - 28/02/2025
- **Dependencies:** Completion of the development phase.
- **Milestone:** Bug-free and user-approved application.

5. Deployment (2 weeks)

- **Description:** Deploy the application.
- **Duration:** 03/03/2025 - 14/03/2025
- **Dependencies:** Successful completion of testing.
- **Milestone:** Live application deployed.

6. Documentation (Entire Project Duration)

- **Description:** Maintain detailed documentation throughout the project, including user manuals, technical details, and progress records.
- **Duration:** 02/12/2024 - 14/03/2025
- **Dependencies:** Parallel to all project phases.
- **Milestone:** Comprehensive and up-to-date project documentation.

6. Gantt chart

