

# Milestones

1. Project Setup and Planning (1 day)
  - ! Initialize Git repository.
  - ! Setup project folders for backend and frontend.
  - ! Define `.env` and configuration templates for secrets.
2. Database & Backend Foundation (2-3 days)
  - ! Design PostgreSQL schema and create initial EF Core models.
  - ! Setup `DbContext` and run first migration.
  - ! Seed roles (`Admin`, `User`).
3. Authentication & Authorization API (3-4 days)
  - ! Implement JWT auth with local signup/login.
  - ! Implement refresh token mechanism.
  - ! Build middleware for role-based authorization.
4. OAuth Integration (2 days)
  - ! Configure Google and GitHub OAuth providers.
  - ! Implement user creation or lookup on successful OAuth login.
5. Frontend UI (Login, Signup, Navigation) (2-3 days)
  - ! Implement login/signup pages using React + Bootstrap.
  - ! Handle local and OAuth flows on frontend.
  - ! Implement user state management (JWT handling).
6. User Management UI (CRUD) (3 days)
  - ! Build user table and CRUD forms.
  - ! Add conditional rendering for Admin-only actions.
7. Testing & Security Enhancements (2 days)
  - ! Add integration tests for auth flows.
  - ! Enable HTTPS, add rate-limiting and CORS handling.
8. Deployment (1 day)
  - ! Deploy to chosen environment (Docker, Azure, AWS).
  - ! Setup environment variables, DB migrations, and monitoring.