

Project Roadmap

Step 1 – Project Setup

- **Tech Stack:**
 - Frontend → HTML, CSS, JavaScript
 - Backend → Python (Flask/Django)
 - Database → MySQL (user data, subscription, search history)

Step 2 – Database Design

- **User Table:**
 - user_id (Primary Key)
 - username
 - password
 - email
 - user_role (admin, client, employee)

Step 3 – User Interface

- **Login Page:**
 - Username/E-mail/UserID + Password
 - Show message in case admin approval is pending
 - LogIn once admin approves
- **Registration Page:**
 - User will enter username, email, password, role
 - Save details when SignUp
- **Dashboard Page (Role-Based UI):**
 - Admin Dashboard: approve/reject users, manage roles of users, can view all data
 - Employee Dashboard: limited access, may view assigned tasks (permitted/given by admin)
 - Client Dashboard: access their profile/data, check their project updates

Step 4 – User Authentication/Authorization

- Check if user is logged in
- Check role before granting access to page

- If **status == approved** -> check role (admin, client, employee)
 - Admin -> grant all access
 - Employee -> grant employee access
 - Client -> grant client access
- If **status != approved** -> deny login

Step 5 – Admin Approval

- Approve/Reject login for every user, **status = pending**
- User can log in only after approval by admin
- Admin can approve directly using their dashboard
- If rejected, login page show “**Cannot login, admin rejected your request**”

Step 6 – Role-Based Dashboard Development

- **Admin:**
 - Manage users (approve/reject roles, log ins)
 - View all data/reports
- **Employee:**
 - Can access specific features (tasks assigned by admin)
- **Client:**
 - Access client – related features (profile, service request)

User → Registration → Login

Frontend (HMTL/CSS/JS) → Create User Interface

Backend (Flask) → Authenticate user

Database (MySQL) → Store user's data

11 Days Roadmap

Phase 1: Setup & Planning (Day 1-2)

Goal: Create project skeleton

- **Day 1:**
 - Finalize tech stack
 - Create folder structure
- **Day 2:**
 - Design database schema, create tables

Phase 2: Authentication System (Day 3-5)

Goal: User Registration + Login

- **Day 3:**
 - Build registration page
 - Use backend to register new users
- **Day 4:**
 - Build login page
 - Restrict login for users whose **status != approved**
- **Day 5:**
 - Password hashing (if required)
 - Show error if wrong credentials are provided

Phase 3: Admin Dashboard Approval (Day 6-8)

Goal : Admin can approve/reject users

- **Day 6:**
 - Create admin dashboard page
 - Show list of all data (both done/pending)
- **Day 7:**
 - Add approval/rejection buttons
- **Day 8:**
 - Allow admin to manage user's roles
 - Add nav bar

Phase 4: Role-Based Dashboards (Day 9-11)

Goal : Dashboards for employee and client

- **Day 9:**

- Create Employee Dashboard
- Add role as mentioned in backend
- **Day 10:**
 - Create Client Dashboard
 - Add role as mentioned in backend
 - Add role-based features to dashboard (i.e., tasks for employee, services for clients, all details for admin)

Phase 5: Final Testing (Day 11)

Goal : Final project

- **Day 11:**
 - Final testing (different roles and data storage)