SkillX – Peer-to-Peer Skill Exchange Platform

# User Roles

## 1. Normal User

- Can register/login  
- Create/edit a personal profile  
- Post skills offered  
- Post skills needed (requests)  
- Search and filter available skills  
- Message other users for collaboration  
- Accept/decline skill exchange offers  
- Give ratings & reviews

## 2. Admin

- View/manage all users and posts  
- Delete or ban inappropriate content  
- Handle reported users/posts  
- Moderate flagged chats or profiles

# Core Features

## Authentication

- Sign up with email/password or Google login  
- JWT-based or session login system  
- Forgot password / reset email

## User Profile

- Name, profile photo, bio  
- Tags of skills offered and skills needed  
- Portfolio section (upload samples/images)  
- Display reviews & ratings

## Skill Listing System

- Post a Skill Offered:  
 - Title, description, category (e.g., design, tech, writing)  
 - Time availability  
 - Upload media (image, PDF, etc.)  
- Post a Skill Needed:  
 - Title, description, what you’re seeking  
 - Deadline (optional)

## Search & Match

- Filter by skill type, category, or tags  
- Option to filter "Skills Needed" vs "Skills Offered"  
- Suggest matching users based on complementary skills

## Chat System

- Direct messaging between matched users  
- Real-time (or simulated) chatbox  
- Exchange status: Pending / Accepted / Completed  
- Flag/report chat option

## Skill Exchange Tracker

- Users can set an exchange status:  
 - Offer Sent → Offer Accepted → Exchange In Progress → Completed  
- Rating prompt on completion

## Rating & Review

- After successful exchanges, users rate each other (1–5 stars)  
- Short feedback field  
- Visible on profiles

# Admin Dashboard

- View user list, skill post list  
- Delete or edit inappropriate content  
- View flagged chats or users  
- Email notifications to flagged users  
- Stats: number of users, exchanges completed

# Optional (Nice-to-Have) Features

- Email Notifications for exchange requests or chat replies  
- Notification Bell for alerts (new messages, review requests)  
- Google Calendar Sync for time-based skill sessions  
- Skill Match Suggestions using AI (OpenAI, optional)  
- Leaderboard/Badge System: for top-rated users

# Frontend UI Notes

- Responsive design (mobile & desktop)  
- Clean layout with categories like: Design, Tech, Writing, Music, etc.  
- Use of icons/emojis for user-friendly interaction  
- Option to "bookmark" or "favorite" other users' posts