

SkillSwap Hub

Website Description

SkillSwap Hub is a community-driven website designed to help people share and exchange skills with one another. Users can browse a variety of skills offered by community members, such as tutoring, music lessons, fitness coaching, or creative services. The platform allows users to create accounts and post detailed descriptions of the skills they offer. Each skill listing includes information such as the skill name, category, description, and experience level. SkillSwap Hub encourages learning, collaboration, and connection by making it easy for users to discover and manage skill-based offerings in one centralized place.

List of Website Pages

1. **Home** – Introduces the website, explains how SkillSwap Hub works, and displays featured skills.
2. **Browse Skills** – Allows users to view and search all available skill listings.
3. **Post a Skill** – A page where logged-in users can add a new skill listing using a form.
4. **My Skills** – Displays the skills posted by the currently logged-in user, allowing them to edit or delete their own listings.
5. **About Us** – Provides information about the purpose and goals of SkillSwap Hub.

Data Storage, Manipulation, and Viewing

The website will store persistent data related to users and skill listings. Each skill listing will include the skill title, category, detailed description, skill level, and the user who posted it. Users will be able to add new skills, edit their existing skills, and delete skills they no longer wish to offer. All skill data will be retrieved from the server and displayed dynamically on the Browse Skills and My Skills pages. User account data will also be stored, including username, email, password, and user role. Regular users will only be allowed to manage their own skill listings, while an administrator account will have permission to view, edit, or delete any skill listing on the site. This setup requires secure login authentication and role-based access control to ensure data integrity and proper permissions.