

🧠 App Summary (3-line pitch)

SkillSwap is a platform where users can offer a skill (like guitar, drawing, or coding) and browse others' skills to request them. Users must **register and log in** to offer a skill or manage their own. Skill requests are simulated in the UI — no real communication between users.

📄 All Routes & Pages (Frontend Only)

Route	Page Title	Auth Required?	Description
/	Home	✗	Public entry point with hero, featured skills, and intro
/browse	Browse Skills	✗	See all offered skills, filter/search
/skill/:id	Skill Details	✗	View full info of a skill, and request it
/login	Login	✗	Sign in to access protected pages
/register	Register	✗	Sign up with name, email, and password
/offer	Offer a Skill	✓	Add new skill (logged-in only)
/my-skills	My Skills	✓	View, edit, or delete user's skills
/about	About	✗	Info about the project and tech used
*	404 Not Found	✗	Fallback for undefined routes

✓ Page-by-Page UI Plan (with Section Breakdown)

/ → Home Page (Estimated: 5 hours)

Sections:

- **Navbar**
 - Logo, navigation links, login/logout button
 - Show login/register if not logged in
 - Show "My Skills" + "Offer Skill" if logged in
 - **Hero Section**
 - Big heading + subheading
 - Buttons: [Browse Skills] [Offer a Skill]
 - Smooth scroll or route link
 - **Featured Skills Section**
 - Show 3–6 sample skills
 - Each card: title, category, level, user name, "View" button
 - **How It Works Section**
 - 3 steps with icons: Browse → Request → Offer
 - **Footer**
 - Links to About, GitHub, copyright
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/browse → Browse Skills Page (4–5 hours)

Sections:

- **Search Input** – Type to search skill titles or categories
 - **Category Filter** – Clickable pills (e.g., Art, Music, Tech)
 - **Level Filter** – Beginner, Intermediate, Advanced
 - **Skills Grid** – Responsive grid of skill cards
 - **No Results Message** – When no skills match filters
 - *(Optional)* **Load More** button or infinite scroll
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/skill/:id → Skill Details Page (3 hours)

Sections:

- **Back Button**
 - Go back to Browse
 - **Skill Info**
 - Title, description, category, level, duration
 - Offered by [User Name]
 - Styled card or layout
 - **Request Skill Button**
 - If logged in → show modal or toast: "Request sent to [user]"
 - If not logged in → redirect to login page with a message
 - **Suggested Skills**
 - Show 3 other skills from same category (mock)
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/login → Login Page (2.5 hours)

Sections:

- **Login Form**
 - Email, password
 - Show success/fail feedback
 - On login: store token + redirect to My Skills
 - **Redirect Message**
 - “Don’t have an account? Register here.”
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/register → Register Page (2.5 hours)

Sections:

- **Register Form**
 - Full Name, Email, Password, Confirm Password

- Show simple validation
- Redirect to login or auto-login

/offer → Offer a Skill Page (4 hours)

 Protected Page → Redirect to /login if not logged in

Sections:

- **Form Fields**
 - Title, Description, Category, Level (dropdown), Duration
 - Auto-fill name from logged-in user (don't show input)
- **Submit Button**
 - Submit adds new skill
 - Show success message (modal or toast)
- **Validation**
 - Highlight missing/invalid fields

/my-skills → My Skills Page (4 hours)

 Protected Page

Sections:

- **List of Skills (added by the logged-in user)**
 - Title, category, level, edit/delete buttons
- **Empty State**
 - "You haven't added any skills yet"
- *(Optional)* **Edit Flow**
 - Clicking edit pre-fills the Offer form

/about → About Page (1 hour)

Sections:

- **About the Project**
 - Short paragraph about SkillSwap
 - **Tech Stack**
 - Icons or text: React, TypeScript, Tailwind CSS, etc.
 - **Contact**
 - GitHub or email
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* → 404 Not Found Page (0.5 hour)

Sections:

- Big “Page Not Found” heading
 - Emoji or icon
 - [Back to Home] button
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Global Reusable UI (shared across multiple pages)

Feature	Used In
Navigation Bar	All pages
Footer	All pages
Skill Card	Browse, Home, Suggested, My Skills
Button component	Everywhere
Modal / Toast	For “Request sent” or “Skill added”
Auth Context (JS logic)	Whole app — tracks login state
