

# 7-Day SkillSwap Project Plan (3–4 hrs/day)

## ✓ Day 1: Setup + Auth (User Registration/Login)

- Set up React frontend + Express backend
- Design signup/login UI (with Tailwind)
- Store user details: name, email, skills to teach/learn
- Setup PostgreSQL or MongoDB
- Add JWT authentication

🧠 Goal: Full signup/login + data stored in DB

## ✓ Day 2: Skill Matching System

- Backend route to fetch matches:
  - Check if `YourWantToLearn`  $\in$  `TheirCanTeach`
- On success → return matched profile to frontend
- Store matched user IDs in matches table/collection

🧠 Goal: Matching logic works + matched user shown

## ✓ Day 3: Realtime Chat (Socket.IO)

- Set up Socket.IO on both frontend and backend
- Create a private room per match
- Design simple chat UI (React)
- Store messages in DB

🧠 Goal: Matched users can chat in real time

## ✓ Day 4: Skill Tracker (Sidebar)

- Sidebar shows:
  - “You are learning: X”
  - “You are teaching: Y”
- Add checkboxes or progress bar for topics
- “Mark Complete” button

🧠 Goal: Simple progress tracker works per match

## ✓ Day 5: WhatsApp Call Integration + AI Placeholder

- Add phone input in signup
- Button in chat: 📞 Start WhatsApp Call
- Link opens: <https://wa.me/91xxxxxxxxxx>
- Optional: Add fake AI suggestion box with hardcoded tips

🧠 Goal: Add utility features without complexity

## ✅ Day 6: UI Polishing + Testing

- Refactor UI based on Canva design
- Make it mobile responsive
- Clean up forms, chats, and sidebar
- Fix any bugs (auth, chat, match, progress)

🧠 Goal: Complete, clean MVP

## ✅ Day 7: Deployment + Demo Prep

- Deploy frontend (Vercel / Netlify)
- Deploy backend (Render / Railway)
- Add test users for live demo
- Prepare GitHub README + screen recording (optional)

🧠 Goal: Live deployed version + clean GitHub link

## 🔥 Final App Highlights:

- Skill-based peer learning app
- Real-time chat
- Skill progress tracker
- WhatsApp call button
- Beautiful UI
- Full-stack deployed

Let me know if you want a day-by-day Notion checklist or a starter GitHub folder structure to begin today.