**Frontend Features**

1. **Authentication**
   * Login Page
   * Signup Page
2. **User Profile**
   * Create/Edit profile form (name, skills, bio, interests, profile picture)
   * Display profile card (for current user + other users)
3. **Project Collaboration**
   * Project List Page (list of projects with description, skills needed)
   * Create New Project form
   * Join Project button
4. **Matching & Recommendations**
   * Show suggested users based on skills/interests
   * Display match percentage
5. **Chat System**
   * Chat Page (1-to-1 chat between matched students)
   * Real-time message updates
6. **Dashboard**
   * Sidebar Navigation (Home, Profile, Projects, Matches, Chat)
   * Notifications (new match, project invite, message received)

**React Components**

* **Auth Components**
  + Login.jsx
  + Signup.jsx
* **Profile Components**
  + ProfileForm.jsx
  + ProfileCard.jsx
* **Project Components**
  + ProjectList.jsx
  + ProjectCard.jsx
  + NewProjectForm.jsx
* **Matchmaking Components**
  + MatchList.jsx
  + MatchCard.jsx
* **Chat Components**
  + ChatWindow.jsx
  + MessageList.jsx
  + MessageInput.jsx
* **Common Components**
  + Navbar.jsx
  + Sidebar.jsx
  + Footer.jsx
  + ProtectedRoute.jsx

**Folder Structure (Frontend Only)**

student-collab-hub/

│── public/

│── src/

│ ├── components/

│ │ ├── auth/

│ │ ├── profile/

│ │ ├── projects/

│ │ ├── matches/

│ │ ├── chat/

│ │ ├── common/

│ │

│ ├── pages/

│ │ ├── Home.jsx

│ │ ├── Profile.jsx

│ │ ├── Projects.jsx

│ │ ├── Matches.jsx

│ │ ├── Chat.jsx

│ │

│ ├── App.js

│ ├── index.js

│ ├── routes.js

│ ├── styles/ (CSS files)

│

│── package.json

Now I can generate this as a **Wor**