StudyTogether Platform Documentation

🌟 Application Functionality

Core Features

1. **Study Group Discovery**
   * Browse available study groups by subject
   * Search groups by name or description
   * Filter groups by subject category
2. **Group Management**
   * Join existing study groups with one click
   * Create new study groups with name, subject, and description
   * View group details and member counts
3. **Collaboration Tools**
   * Shared notes editor with live preview
   * Basic text formatting in shared notes
   * Note saving functionality (simulated)
4. **User Interface**
   * Responsive design works on desktop and mobile
   * Attractive card-based group display
   * Intuitive navigation and forms

🖥️ Usage Instructions

For Students:

1. **Finding a Study Group**
   * Scroll through available groups on the homepage
   * Use the search box to find specific topics
   * Filter by subject using the dropdown menu
2. **Joining a Group**
   * Click the "Join" button on any group card
   * The button will change to "Joined" to confirm
   * You'll see a confirmation message
3. **Creating a Group**
   * Scroll to the "Create Your Own Study Group" section
   * Fill in all required fields:
     + Group name (at least 5 characters)
     + Subject (select from dropdown)
     + Description (at least 20 characters)
   * Click "Create Group"
   * Your new group will appear at the top of the list
4. **Using Shared Notes**
   * Type in the large text area in the Shared Notes section
   * See your notes appear in real-time in the preview panel
   * Use the "Save" button to preserve your notes (simulated)
   * Use the "Share" button to copy your notes (simulated)

🛠️ Setup Process

Requirements

* Modern web browser (Chrome, Firefox, Edge, Safari)
* Text editor (VS Code, Sublime Text, Atom, etc.)
* (Optional) Local web server for advanced testing

Installation Steps

1. **Create Project Folder**

bash

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mkdir study-together

cd study-together

1. **Create Project Files**
   * Create index.html and write the HTML code
   * Create style.css and write the CSS code
   * Create script.js and write the JavaScript code
2. **Run the Application**
   * Option 1: Direct file opening
     + Simply open index.html in your web browser
   * Option 2: Using a local server (recommended)
     + Install Live Server extension in VS Code
     + Right-click index.html and select "Open with Live Server"
     + Or use Python's built-in server:

bash

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python3 -m http.server 8000

Then visit http://localhost:8000

📈 Next Steps for Development

1. **Backend Integration**
   * Set up Firebase or Node.js server
   * Create API endpoints for data management
2. **User Accounts**
   * Implement login/signup functionality
   * Add user profiles and avatars
3. **Advanced Features**
   * Real-time chat using Socket.io
   * File uploads for study materials
   * Video conferencing integration
   * Calendar for study sessions