

Project Overview:

The project is a website designed for workspace listings, where users can upload listings for available workspaces. These workspaces could be offices, co-working spaces, or any other type of workspace that users might want to rent or share.

Features:

1. Upload Listing:

- Users can create and upload listings for their workspaces.
- This feature involves creating a form where users can input details about their workspace, such as location, image and pricing.
- Once submitted, this information is stored on the blockchain, ensuring transparency and immutability.

2. View All Listings:

- Users can view all available workspace listings.
- This feature provides a user-friendly interface where users can browse through all the listed workspaces.
- Each listing is displayed with key details, such as location, pricing

3. Search Listing:

- Users can search for specific types of workspaces based on their preferences.
- This feature involves implementing a search functionality where users can filter listings based on criteria like location
- Users can quickly find relevant listings that match their requirements.

4. Upload Review:

- Users can upload reviews for workspaces they have used.
- This feature allows users to provide feedback on their experiences with specific workspaces.
- Reviews are also stored on the blockchain to ensure transparency and trustworthiness.

5. Show Reviews:

- Listings provides an option to display reviews provided by users.
- This feature helps potential renters or buyers to make informed decisions by reading reviews from others who have used the workspace.
- Reviews can influence users' choices and provide valuable insights into the quality of each workspace.

Technology Stack:

Your project involves using various technologies:

- **HTML, CSS, and JavaScript:** Used for building the frontend of the website, including the user interface and interactions.
- **Solidity:** Used for writing smart contracts that handle the logic of storing and retrieving workspace listings and reviews on the blockchain.
- **Ganache:** Used as a local blockchain for development and testing purposes.
- **Meta Mask:** Used as wallet manager

How it Works:

1. **User Interaction:**
 - Users interact with the website's frontend to perform actions like uploading listings, searching for workspaces, and leaving reviews.
2. **Backend and Blockchain:**
 - When a user uploads a listing or review, the data is sent to the backend, where it's processed and stored on the blockchain using Solidity smart contracts.
 - Listings and reviews are stored on the blockchain in a decentralized manner, ensuring security and transparency.
3. **Frontend Updates:**
 - The frontend periodically fetches data from the blockchain and updates the UI to reflect the latest listings and reviews.