

**CribLink: Your Real Estate Platform**

CribLink is an easy-to-use real estate platform designed to help people find properties and connect with real estate agents efficiently. It's built with modern technology to ensure a smooth experience for everyone, including clients looking for homes, agents managing their listings and clients, and administrators overseeing the whole system.

**What CribLink Can Do For You**

CribLink offers a wide range of features to make your real estate journey simpler and more effective:

**For Clients (People Looking for Property)**

* **Easy Property Search:** Find your dream home quickly using advanced search options. You can filter by type of property, location, price range, number of bedrooms, and bathrooms.
* **Save Your Favorites:** Keep track of properties, agents, and agencies you like by saving them to your favorites list.
* **Connect with Agents:** Easily send requests to connect with agents, accept or decline agent requests, and even disconnect if needed. You can also view agent profiles to learn more about them.
* **Manage Your Questions:** Send inquiries about properties or general questions, and get real-time messages back and forth with agents.
* **Personal Profile:** Update your personal information, profile picture, and privacy settings. You can even choose to share your favorite properties with your connected agents.
* **Personalized Recommendations:** See property listings that your connected agents recommend specifically for you, based on your preferences.
* **Stay Updated:** Get a feed of recent activities related to your inquiries, property matches, and agent connections.

**For Agents (Real Estate Professionals)**

* **Manage Your Clients:** Keep track of all your clients, add notes about them, mark them as VIP, and easily send them emails or messages. You can also archive and restore client relationships.
* **Manage Connections:** Send connection requests to potential clients and handle incoming requests (accept or decline).
* **Handle Your Listings:** Create, update, and manage all your property listings, including adding and removing photos.
* **Respond to Inquiries:** View and reply to all client inquiries, mark messages as read, and organize your conversations.
* **Your Professional Profile:** Update your personal details, bio, location, social media links, and profile picture.
* **Performance Dashboard:** See how well you're doing with quick stats on your total listings, inquiries, and properties that are "under offer" or "sold."
* **Activity Feed:** Monitor all recent activities related to your interactions and listings.

**For Agency Admins (Managing a Real Estate Agency)**

* **Manage Your Agency:** Set up and update your agency's details, including your logo and address.
* **Manage Your Team:** See all the agents in your agency, approve or reject agents wanting to join, promote agents to admin roles, or demote them back to agents. You can also remove members.
* **Oversee Listings:** View all properties listed by your agency, including counts for total listings, those waiting for approval, under offer, and sold.
* **Manage Agency Inquiries:** Access and manage all client inquiries across your agency, with options to archive, restore, or permanently delete conversations.
* **Agency Performance:** Get detailed statistics for your agency, including the number of agents, clients, listings by status, and pending agent requests.
* **Agency Activity Feed:** Stay informed about recent activities within your agency, like new agents joining, new listings, and inquiries.
* **Handle Legal Documents:** Upload, view, and delete important legal documents for your agency.
* **Agency Self-Deletion:** Agency administrators can choose to delete their agency, which will change their role back to a regular agent and remove all agents from that agency.

**For Admins (Platform Overseers)**

* **Full User Control:** Manage all users on the platform, including clients, agents, and agency administrators.
* **Full Agency Control:** Complete oversight and management of all agencies using CribLink.
* **Listing Oversight:** Review and approve or reject all property listings on the platform.
* **Inquiry Oversight:** Full access and control over all inquiries across the entire platform.
* **Legal Document Oversight:** Manage all legal documents uploaded to the platform.
* **Platform Insights:** Access platform-wide statistics, such as total users, revenue from sold properties, total deals closed, and trends in user registrations and inquiries.
* **Platform Activity Feed:** Monitor all recent activities happening across the entire CribLink platform.

**Core Features of CribLink**

* **Secure Access:** Safe and secure login, registration, and access based on your role (client, agent, admin).
* **Live Messaging:** Chat in real-time about inquiries with our integrated messaging system.
* **Secure Storage:** Your profile pictures, agency logos, and legal documents are safely stored in the cloud.
* **Works on Any Device:** CribLink is designed to look and work great on your phone, tablet, or computer.
* **Smart Search:** Powerful search and filtering tools to help you find properties, agents, and agencies quickly.
* **Notifications:** Get helpful messages and confirmations from the system.

**How CribLink is Built (Simplified)**

CribLink uses a combination of powerful technologies to work smoothly:

**Behind the Scenes (Backend)**

* **Node.js & Express.js:** These are like the "brains" of the platform, handling all the requests and managing the data.
* **PostgreSQL:** This is where all the information (like property details, user profiles) is securely stored.
* **Socket.IO:** This allows for instant messaging and real-time updates.
* **JWT:** This keeps your account secure when you log in.
* **Cloudinary:** This handles all the photos and documents you upload.

**What You See (Frontend)**

* **React:** This is the technology that builds the interactive parts of the website you see and click on.
* **Tailwind CSS:** This helps make the website look clean and modern.
* **Framer Motion:** This adds smooth animations and transitions to the website.

**Getting Started with CribLink**

**What You Need (If You're Setting Up the System)**

* Node.js (a software for running the backend)
* npm or Yarn (tools to manage software packages)
* PostgreSQL (the database software)
* A Cloudinary account (for storing images and documents)

**Setting Up the System (For Developers)**

If you're a developer and want to set up CribLink on your own computer, you'll need to:

1. Get the project files from GitHub.
2. Install the necessary software packages.
3. Set up some secret codes (environment variables) for the database and Cloudinary.
4. Set up the PostgreSQL database and load the initial data.
5. Start the backend and frontend parts of the system.

*(Detailed technical steps are available in the full documentation for developers.)*

**How the Project is Organized (Simplified)**

The project is split into two main parts:

* **criblink-backend**: This is the server-side part that handles all the data and logic.
* **criblink-frontend**: This is the part you interact with in your web browser.

**Want to Help Improve CribLink?**

We welcome contributions! If you're a developer and want to help make CribLink even better, you can:

1. Make a copy of our project.
2. Create a new section for your changes.
3. Make your improvements.
4. Save your changes.
5. Send them back to us for review.

Please make sure your code follows our style and includes tests.

**License**

This project is open-source under the MIT License.

**Contact Us**

If you have any questions or feedback, please reach out to Matthew Tedunjaiye at tedunjaiyem@gmail.com or visit his GitHub page.