

# Residential Brokerage Platform

## Project Proposal

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### Aim

To build a platform that serves as a link between home seekers, real estate developers and land owners.

### Summary

Our platform enables supply, demand, and discovery of real estate with a click of a button. There will be three types of users in the platform

- Home Seekers
- Real Estate Developers
- Land Owners

Any type of user can sign up on our platform and reap the benefits of the services we provide. As a landlord, the user can put the necessary details of the land they wish to sell in our website. Depending on the size of the land, either an individual or a real estate developer can connect with the land owner, and go inspect the land for sale. As a real estate developer, the user can post listings of their recent housing projects which may be for sale or for rent. Home seekers have a variety of actions to choose from. They can contact land owners through our platform to if they wish to purchase land. They can also contact real estate developers if they wish to buy a property or get a house on rent.

### Development Approach

The platform is going to be hosted on the web with a Python back-end. All the data will be stored in structured tables which will be implemented using MySQL, an open source relational database management system. The server will be powered by Django, a Python library. The website itself will be written in HTML, CSS and JavaScript. UI frameworks such as MaterializeCSS, Twitter Bootstrap and Font Awesome will be used to improve the aesthetics of the website. All data will be transmitted in JSON format and will strictly follow Representation State Transfer (REST)