USER GUIDE

Below are the steps to run the website after downloading the folder structure as it is and placing it in any path on your local.

Step 0: Go through the requirements.txt file and set up the environment with the list of libraries and packages mentioned. Type pip install -r requirements.txt in your command prompt for the setup. If you encounter any error during the installation of Tagui, please refer to 'https://www.yuchenkuang.com/category/TagUI/TagUI-Python-Setup/' for correct installation steps and to set up path variables (if needed). If the **scikit-learn** components fail, Try using `pip install -U scikit-learn` for and re-try the chatbot. <Additional Note: PyTorch requires Python 3.8 and above, this project components (such as TagUI, torch) were tested on Ubuntu 20.04 and Windows>

Step 1: open command prompt, navigate to the path (cd to the "server.py" file location) and run the command py server.py or python server.py or py3 server.py if you have both python 2 and python 3 installed. Use the method you usually use to trigger a python file.

Step2: After running you'll see something like the above screenshot. Either copy paste the url displayed above or just type localhost:8080 in your browser. Which will open our home page.
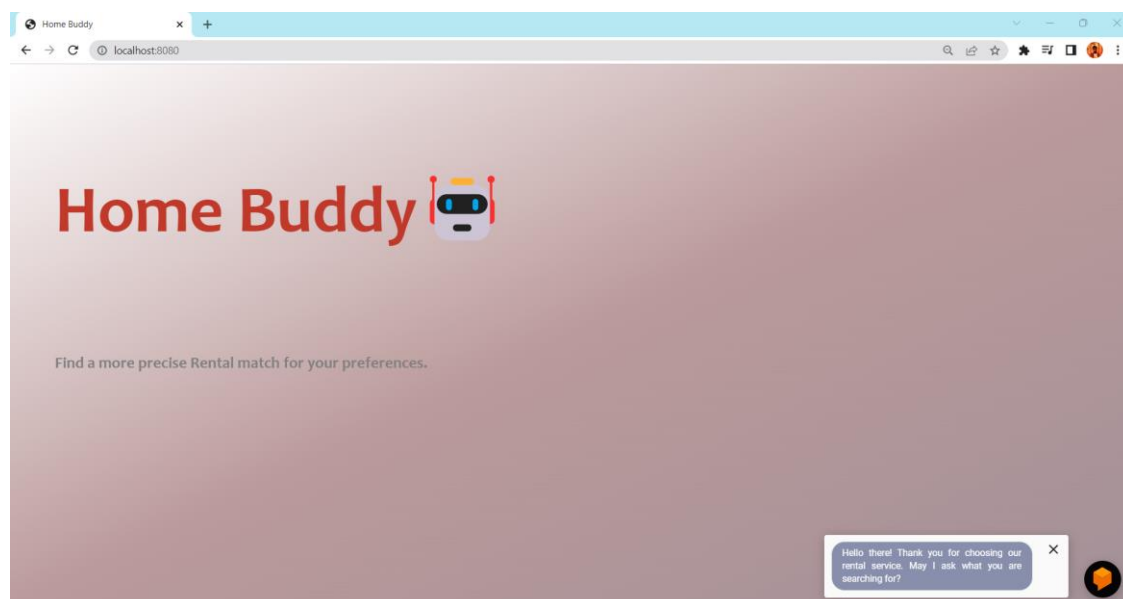The Structural flow of our webapp is like below:

1. **Index - Home page**: Where the chatbot is hosted and integrated.

2. Below is a list of components you'll be asked for a precise matching of a property according to your preferences.
    a. Rental type you're looking for (A room or an entire house)
    b. Budget
    c. Marital status (for you or for a family)
    d. Ethnicity (As many landlords prefer certain ethnicity)
    e. Gender for gender specific
    f. Neighbourhood (e.g.: quieter, city side, family friendly, closer to MRT)
    g. Amenities (e.g.: WIFI, aircon, swimming pool, gym, laundry, security, parking space etc)
    h. Age
    i. Nearest MRT you're looking to rent for
    j. Any specific requests (about smoking, cooking, having pets, visitors or landlords staying within property)

3. Once we fill up, the bot will ask for a confirmation and after confirmation, the bot will trigger our backend NLP model for the precise matching and get you top 3 listings which has a closer matching description for your preferences. (Please note that as we use the MRT station information provided by you to do a first level filter, it is very rare to get all the requirements matched in a single listing, the bot will try its best to match the one with more items related to your preferences.)

Home Buddy

single, looking for female Room under $2000, in or around quieter neighborhood closer to the MRT station Jurong East MRT. You prefer amenities like wifi and aircon . You have no smoking as specific requests.

Please confirm below.

yes

Okay Please wait till I process your request

🏠 Suggestion 1

🏠 Suggestion 2

🏠 Suggestion 3

Ask something...
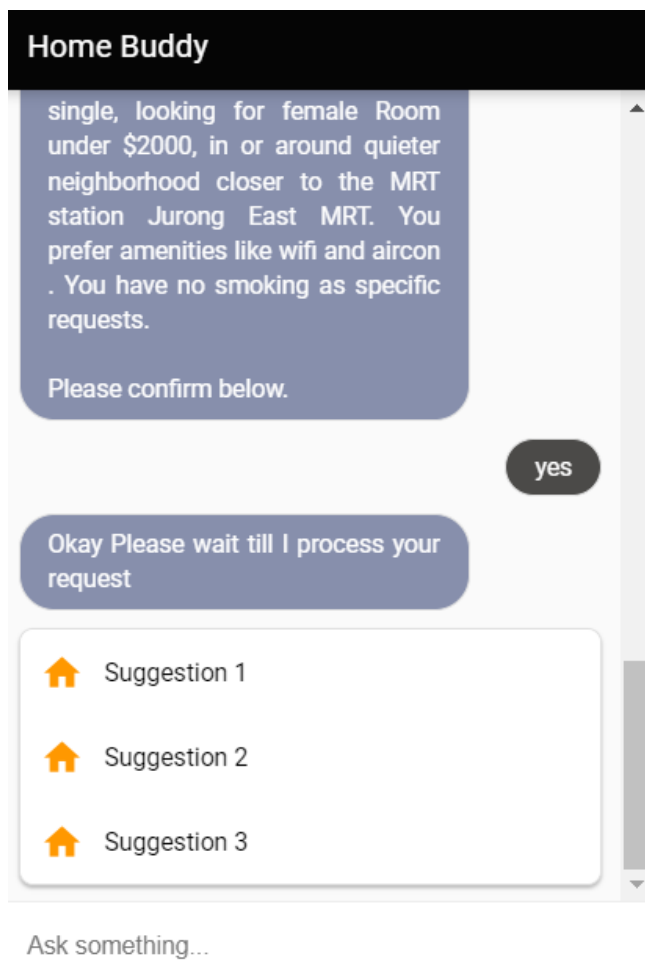
We can just click to get the properties.

Common Room For Rent! Mins Walk Away From Jurong East MRT

Clean, Well Maintained & Spacious Common Bedroom!
► 1 PAX FEMALE ONLY
► 1 YEAR LEASE MIN
► AVAILABLE 3rd of MAY
1pax = $1400

- Fully Furnished
- Room Includes Aircon, Wifi & Utilities
- Spacious, Clean & Well Maintained
- Queen size bed
- Light cooking allowed
- Newly renovated common toilet

Nearby Amenities:
- Shopping Malls, JEM, Westgate and J Cube
- Walking distance to Jurong East MRT/Interchange
- Mins walk to Coffeeshop/Supermarkets/Hair Salon

No Visitors, No Smoking, No Pets In The House

Description

Brand New Room For Immediate Rent!

111 Jurong East Common Room for rental.

Preferably Female Tenant

Asking $1500/mth

Immediate Move In!

Utilities, Wifi, Air-conditioning all inclusive.

5 mins walk to Jurong East Mrt. Call Razis 📞9077....👁 before you miss it. Thanks

AIR-CONDITIONING