

# Project Report

Our project name is **HomeLance**. HomeLance is an application that connects you with a huge database of active apartments from all over Bangladesh that's allowing you to find and rent an apartment.

**Frontend:** In the poster, you can see some pictures of our app. First, a person has to Sign up and then Log in to the application. Then he/can see many apartments for rent. Then he/she can add a photo, phone number, bio, address, etc to the profile section. There is an excellent option for finding an apartment, that is a filter option. This option allows a person to search for an apartment by preferred location, price range, bedroom, baths, etc. After choosing an apartment they can pay through online at the same time. Thus a person quickly finds and rents apartments.

**Backend:** Our app also has a web version or website. There can be thousands of APIs on a website. So there are many APIs on our website. We present some basic APIs in the poster. We use GET APIs to find an apartment, in a filter, find by ID, log in, and log out. After that, we use POST APIs to add new apartment information, upload image, create users, and upload a profile photo of the users. Then we use PUT APIs to update an existing apartment, update the user name and use DELETE APIs to delete an apartment and delete a user.

**Database:** In the poster, we design the follow chart to present how our app works. In the beginning, a user must have an account to enter the app. A person has to add his/her some personal information. That is shown in the USER part. After login, he/she will see many apartment lists, photos, videos, and information about an apartment in the HOME section. He/she also can find the apartment as he/she wants by FILTER option. After choosing an apartment he/she can instantly book and pay the rent in the PAYMENT section. Then they will earn some points that's will be converted to discount or promo code for the next time.

## Report by-

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