

Abstract

Rentomate is a home rental system, it is a web-based platform that allows users to either rent a home or put their home up for rent. The main goal of this project is to automate the complete process of renting a home without literally moving an inch physically and to make consumer's life as easier as possible. This system comes with a lot of features but some of the key features that it offers are explained in order to get the gist of it. System has an interactive and user-friendly front-end and it uses role-based authentication. There are mainly three stakeholders in the system i.e. Tenant, Landlord and Administrator. The system lists properties that are available for renting and shows it to tenants, system also incorporates a recommender system (Content Based Filtering) that shows relevant property listings respective to the tenant. Landlords can put up their property up for rent and can use the prediction analysis provided by the system to predict the approximate rent of their home. System also provides various other features like Document Handling, Payment Integration and last but not least Maintenance Requests and all these features are handled by system administrator. According to a survey done by Gallup Pakistan in 2019, around 22% of Pakistan's population is living in rented homes which almost accounts to 48.4 million people and all of these people lack a proper platform that provides all of the features mentioned above collectively. The system administrator acts as a mediator between landlord and tenant in order to avoid any fraudulent activities and introduce complete transparency between the concerned parties. This system not just has a good ethical impact but also a good financial aspect due to the innovative approach of the system as no system out there similar to this provides the amount of features that are offered by this system.