RentoMate

Rent it Out!

Project Members:

Ali Usama Nawaz (2018064)

Hassaan Ahmad (2018141)

M.Umais Khan (2018341)

Hamza Asad (2018128)

Project Advisor

Engr.Ahsan Shah

Problem Statement

Real Estate has been neglected by technology for a long time especially home renting sector as there is not a single platform available that streamlines home renting process. Rentomate helps to automate the home-renting process completely and securely but also make the process efficient, effective and hassle free.
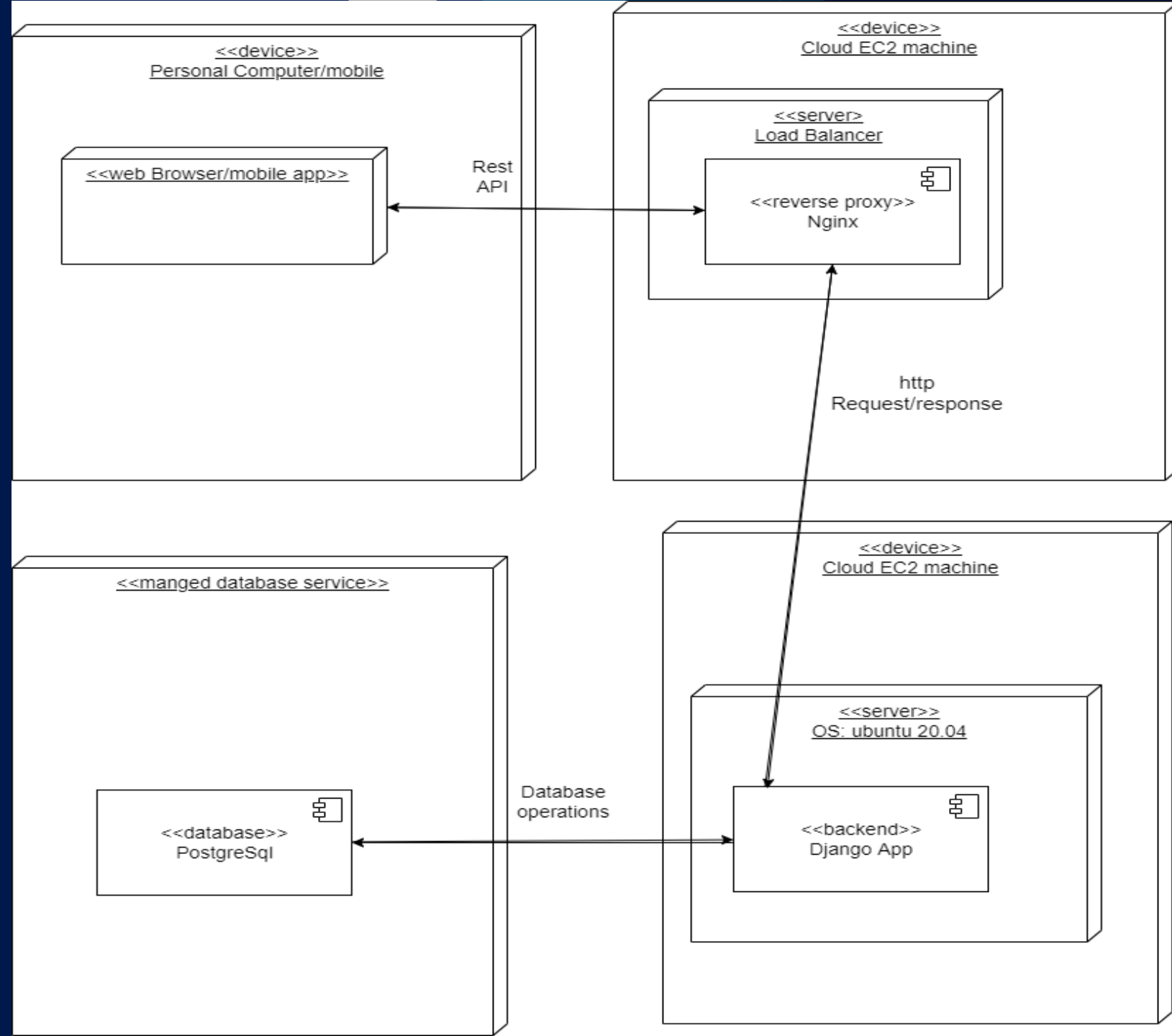
Project Overview

It is a Web-Based Project

List of Features:

- Role based Authentication
- Property Listing
- Filtration System
- Predictive Analysis
- Payment Management
- Admin Dashboard

System Overview

Functional Requirements

FR-No.	Priority	Status	
FR1	Essential	**Completed**	User should be able to register themselves and log in with provided details
FR2	Essential	**Completed**	User should be able to manage and check their account information
FR3	Essential	**Completed**	Filtration of properties with selected criteria should be possible
FR4	Essential	**Completed**	Landlord shall be able to manage their properties
FR5	Essential	**Completed**	Landlord and Tenant shall be able to communicate on platform and deal
FR6	Essential	**Completed**	The system shall provide payment management system
FR7	Essential	**Completed**	Deployment on Heroku, hosting static files on S3 buckets
FR8	Essential	**Completed**	Tenant may request price by AI Model

Non-Functional Requirements

- ## Performance :
The server should response within one second max.

- ## Security
  - JWT tokens for Authentication and Authorization
  - SSL to avoid eavesdrop attack
  - API endpoints require authorization

- ## Scalability
  - Increase the number of servers as the number of users increase
  - Use of Microservices for improved scalability

Non-Functional Requirements

- **Accuracy:**
  - The database design should assure the correctness of data through correctly manage concurrent tasks.

- **Usability**
  - The app can be accessed through:
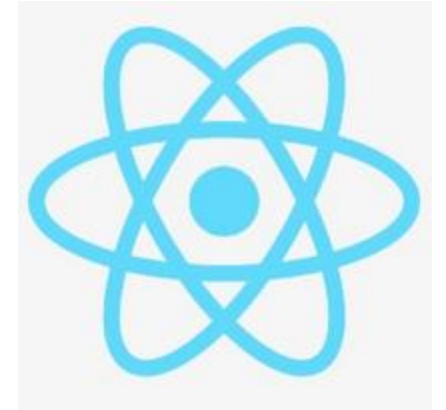   Any Web Browser
    Android/IOS

- **Data Integrity**
  - Data needs to be validated before entering to the database.
  - The data should fulfill the constraints.

- **Maintainable**
  Use of microservices enables us to add more features fast as compared to monolithic architecture.

Technologies Used

Live Demo

Thank You
Any Questions?