House Rent Platform

Objective:

You need to clone the https://www.bproperty.com/ project.Most of the features of the BProperty site should be implemented

Most importantly, you need to add at least one feature that does not exist in BProperty Site and that is meant to be useful to the users

Front end designs should be of your own choice.Remember, to implement all of the existing features of BProperty Site is not mandatory.

You are required to implement the following features for this project:

Requirements:

Project Setup and Structure:

- Initialize a new Django project and configure it to use PostgreSQL as the database.
- Use Django REST Framework for creating API endpoints.
- Organize the project in a clean and modular architecture, separating concerns appropriately (e.g., models, serializers, views).

Functional Requirements

1 . User Authentication and Authorization

- User registration and login (User,Owner)
- Password reset functionality.
- Role-based access control to restrict access to specific features.

2 . User Roles and Permissions

- Owner: Ability to create, update, and delete their own advertisement of rent-post.
- User: Ability to view rent-posts and book a date to view the flat, etc.

Authentication and Permissions:

- Utilize Token for managing user sessions and securing API endpoints.
- Ensure that only authenticated users(owner) can create, update, or delete rent-posts.
- Allow users to edit their own profiles and manage favorites.

Database Design:

- Design the database schema with PostgreSQL, ensuring relationships between models.
- Implement migrations for your database models

Coding Practices and Documentation:

- Write clean, modular, and reusable code.
- Use Django best practices for models, views, serializers, and URL routing.
- Document your API endpoints and provide a README file with instructions on how to set up and run your project, including database setup and any initial configuration steps.

Prohibited Use of AI Services:

- The use of external AI services or assistance for code generation or problem-solving in this task is strictly prohibited. Your submission will be reviewed for originality and compliance with this rule.

Implementation Steps

- Set up a Django project and apps.
- Configure Django Rest Framework.
- Design database models for users, courses, enrollments, and assignments.
- Implement authentication and authorization using DRF.
- Develop API endpoints for all functionalities.
- Create serializers and views for handling API requests and responses.
- Deploy the application
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