DBMS Project Proposal

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Objectives:

We aim to implement a Rental Management System in which we can find an appropriate rental apartment for the user.We will use extensive search filters to get best match viz a viz filter by distance, price or rating.
This app can be used by a visitor who can put houses on rent and as a tenant who can manage their rent.

Features:

- Owners:
    - Update the database by adding a new rental entry.
    - Receives request for the rentals.
    - Approve/reject the request based on the profile of the tenant.
    - Set due payment of their property, for the tenant to pay.

- Visitors:
    - Choose from the given sorted rental apartments.
    - Request the owner for accommodation on rent.

- Tenant:
    - Pay the due rent.
    - Search for a new accommodation and apply for it if their due amount is zero.

- Sorting the rentals:
    - By Price
    - By Distance (Using Google maps API)
    - By Rating (Provided by the visitors/tenants)

Sample Queries:

- For landlord, List of all tenants.
- For visitors, Rentals under Rs.10,000
- Find Rentals within the range of 5KM.
- Find Available accommodations which has been rated over 3/5.
- View all owners having more than 2 rentals available.
- Find Rentals which has frequently been occupied.