RENT A PLACE

By VELAGA SRI SAI SUDHA

From C2 Batch

INTRODUCTION

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  - **RENTAPLACE:**
    A Full-Stack Property Rental Platform

Login Page:

After Clicking On Login

Properties

Messages

Reservations

Owner InBox

CRUD OPERATINS(ADD)

Crud operations

Update property

Beachside Cottage in Kerala

Kochi, Kerala"

₹20000

Edit Delete

Studio Apartment in Mumbai

Mumbai, Bandra

₹25000

Edit Delete

Edit Property

Luxury Villa in Goa

3 BHK fully furnished villa with pool

Villa

Goa

Pool, Gym, Garden, Parking

20000
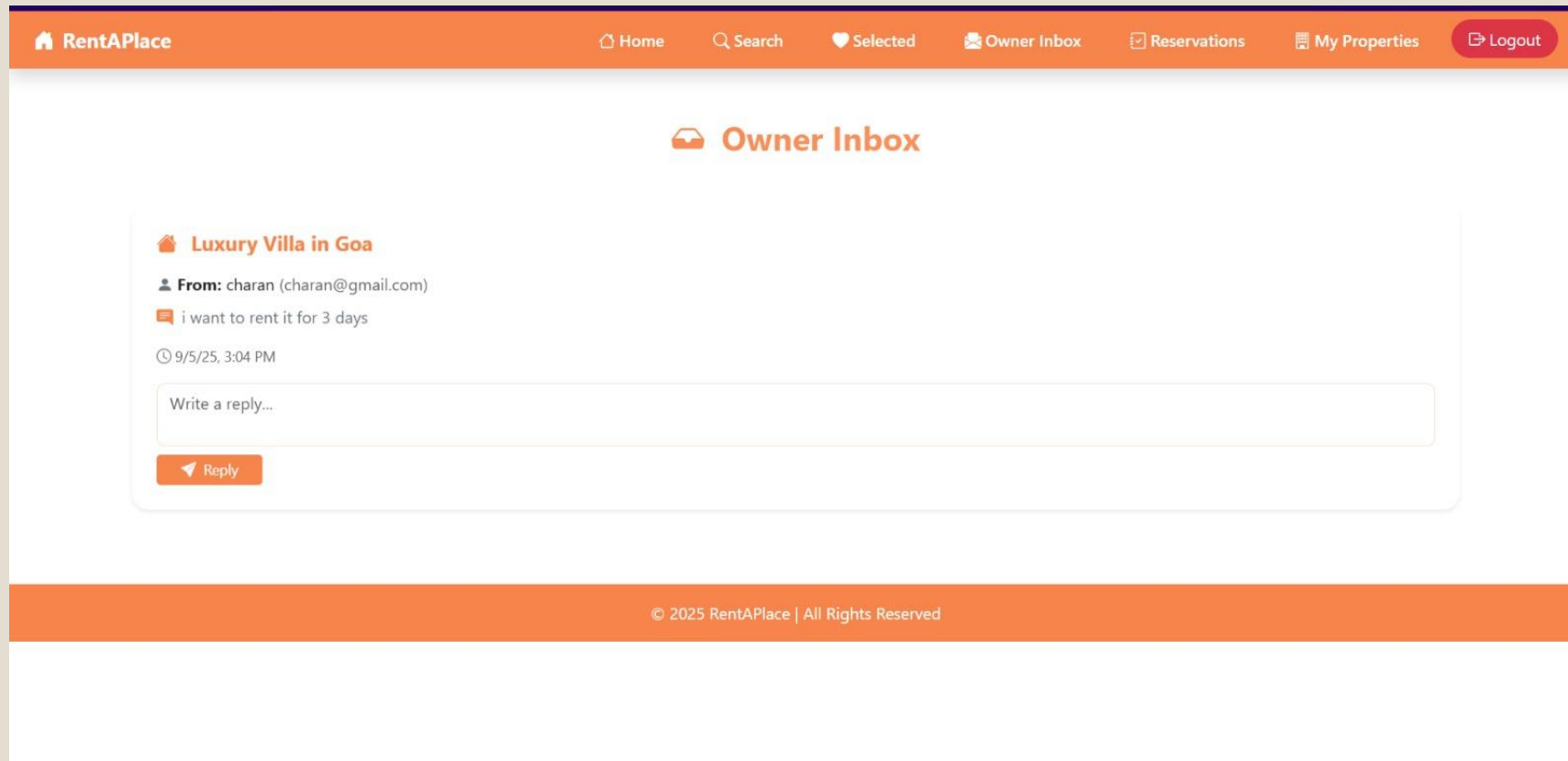
Choose Files   No file chosen

Update Property

Sql

- CREATE TABLE Property (
- Id INT IDENTITY PRIMARY KEY,
- OwnerUserId NVARCHAR(450) NOT NULL,
- Title NVARCHAR(200) NOT NULL,
- Description NVARCHAR(MAX) NULL,
- Location NVARCHAR(200) NOT NULL,
- Latitude DECIMAL(9,6) NULL,
- Longitude DECIMAL(9,6) NULL,
- PropertyType NVARCHAR(50) NOT NULL, -- Flat, Villa, Apartment
- NightlyPrice DECIMAL(10,2) NOT NULL,
- MaxGuests INT NOT NULL DEFAULT 1,
- Features NVARCHAR(400) NULL, -- comma separated: pool,beach-facing,garden
- AvgRating DECIMAL(3,2) NOT NULL DEFAULT 0,
- IsActive BIT NOT NULL DEFAULT 1,
- CreatedAt DATETIME2 NOT NULL DEFAULT SYSUTCDATETIME(),
- UpdatedAt DATETIME2 NULL
-);

sql

- CREATE INDEX IX_Property_Owner ON Property(OwnerUserId);
- CREATE INDEX IX_Property_Type_Rating ON Property(PropertyType, AvgRating DESC);
- CREATE INDEX IX_Property_Location ON Property(Location);

- CREATE TABLE PropertyImage (
- Id INT IDENTITY PRIMARY KEY,
- PropertyId INT NOT NULL,
- Url NVARCHAR(400) NOT NULL,
- SortOrder INT NOT NULL DEFAULT 0,
- CONSTRAINT FK_PropertyImage_Property FOREIGN KEY(PropertyId) REFERENCES Property(Id) ON DELETE CASCADE
-);

sql

- CREATE INDEX IX_PropertyImage_Property ON PropertyImage(PropertyId);

- CREATE TABLE Reservation (
- Id INT IDENTITY PRIMARY KEY,
- PropertyId INT NOT NULL,
- RenterUserId NVARCHAR(450) NOT NULL,
- CheckIn DATE NOT NULL,
- CheckOut DATE NOT NULL,
- TotalPrice DECIMAL(10,2) NOT NULL,
- Status NVARCHAR(20) NOT NULL DEFAULT 'Pending', -- Pending, Confirmed, Declined, Cancelled
- CreatedAt DATETIME2 NOT NULL DEFAULT SYSUTCDATETIME(),
- CONSTRAINT FK_Reservation_Property FOREIGN KEY(PropertyId) REFERENCES Property(Id) ON DELETE CASCADE
-);

sql

- CREATE INDEX IX_Reservation_Property ON Reservation(PropertyId);
- CREATE INDEX IX_Reservation_Renter ON Reservation(RenterUserId);
- CREATE INDEX IX_Reservation_Status ON Reservation(Status);

- CREATE TABLE Rating (
-   Id INT IDENTITY PRIMARY KEY,
-   PropertyId INT NOT NULL,
-   RenterUserId NVARCHAR(450) NOT NULL,
-   Stars INT NOT NULL CHECK (Stars BETWEEN 1 AND 5),
-   Comment NVARCHAR(1000) NULL,
-   CreatedAt DATETIME2 NOT NULL DEFAULT SYSUTCDATETIME(),
-   CONSTRAINT FK_Rating_Property FOREIGN KEY(PropertyId) REFERENCES Property(Id) ON DELETE CASCADE
-);

sql

- CREATE INDEX IX_Rating_Property ON Rating(PropertyId);
- CREATE UNIQUE INDEX UX_Rating_UserProperty ON Rating(PropertyId, RenterUserId);

- -- Messaging in separate schema (or same DB for simplicity)
- CREATE TABLE MessageThread (
- Id INT IDENTITY PRIMARY KEY,
- PropertyId INT NOT NULL,
- OwnerUserId NVARCHAR(450) NOT NULL,
- RenterUserId NVARCHAR(450) NOT NULL,
- CreatedAt DATETIME2 NOT NULL DEFAULT SYSUTCDATETIME()
-);

sql

- CREATE UNIQUE INDEX UX_Thread ON MessageThread(PropertyId, OwnerUserId, RenterUserId);

- CREATE TABLE Message (
-   Id INT IDENTITY PRIMARY KEY,
-   ThreadId INT NOT NULL,
-   SenderUserId NVARCHAR(450) NOT NULL,
-   Body NVARCHAR(2000) NOT NULL,
-   CreatedAt DATETIME2 NOT NULL DEFAULT SYSUTCDATETIME(),
-   IsRead BIT NOT NULL DEFAULT 0,
-   CONSTRAINT FK_Message_Thread FOREIGN KEY(ThreadId) REFERENCES MessageThread(Id) ON DELETE CASCADE
-);
- CREATE INDEX IX_Message_Thread ON Message(ThreadId);