

PHP Developer Assignment: Real Estate Mini Project

Deadline

- You have 24 hours to complete this task.
- Submit your code via GitHub (public or private repo) or ZIP file with instructions.

Project Overview

You are required to create a basic Real Estate module with two main features:

1. Admin can add properties with details and an image.
2. Users can view listed properties and book a viewing slot.

Requirements

Admin Panel (can be a web UI or Postman-usable API)

- Add a property with:
 - Name
 - Type (e.g., Flat, Villa, Plot)
 - Price
 - Area (in sqft)
 - Address
 - Description
 - Image upload (store in public/uploads or similar)

User Features

- View paginated list of all properties
- View property details
- Book a property viewing with:
 - Name
 - Email
 - Phone
 - Preferred Date and Time

Database Tables (Use MySQL)

properties

- id
- name
- type
- price
- area_sqft
- address
- description
- image_path
- created_at

bookings

- id
- property_id (foreign key)
- name
- email
- phone
- datetime
- created_at

Bonus Features (Optional for extra credit)

- Area conversion: sqft to sqm on property detail view
- Filter by property type or price range
- Prevent double booking for same property and time slot
- Responsive UI using Tailwind CSS or Bootstrap

Technology Stack

- Laravel
- CodeIgniter 4

Evaluation Criteria

Functional requirements met: 30%

Code structure & organization: 15%

Security (SQL injection/file validation): 10%

Validation and error handling: 15%

Use of framework features (e.g. Eloquent): 15%

Bonus features (filters, UI, conversion): 15%

Deliverables

- GitHub repo link or ZIP file with:
 - Source code
 - SQL file or migration
 - (Optional) Postman collection if using API-only
 - README.md with setup instructions

Sample Booking API (if using API only)

POST /api/bookings

```
{  
  "property_id": 1,  
  "name": "Priyanka",  
  "email": "priyanka@example.com",  
  "phone": "1234567890",  
  "datetime": "2025-06-22 14:00"  
}
```

Good luck! If you have questions during the task, you may list them as part of your submission.