How to execute the code (instructions)

- Ensure a web server (such as Apache or Nginx) is installed.
- Install MySQL for database management.
- Ensure PHP is installed on your server.
- Use a modern web browser (e.g., Google Chrome, Mozilla Firefox).

Download Project Files:

- Place the project files in the web server's root directory (e.g., `/var/www/html` for Apache on Linux).

Front-End Setup

HTML, CSS, and JavaScript:

- The front end uses HTML, CSS, and JavaScript.
- JavaScript handles client-side operations like form validations and user interactions.

Back-End Setup

Database Configuration:

- Use MySQL for the database.
- Create the necessary tables by executing the SQL scripts provided with the project.

```sql
Copy code
CREATE DATABASE online_pg_dekho;
USE online_pg_dekho;

CREATE TABLE register (
    customer_id INT AUTO_INCREMENT PRIMARY KEY,
    name VARCHAR(100),
    email VARCHAR(100),
    password VARCHAR(100)
);

CREATE TABLE product (
    product_id INT AUTO_INCREMENT PRIMARY KEY,
    product_name VARCHAR(100),
    product_rate FLOAT,
    category_id INT,
    product_price FLOAT
);

CREATE TABLE category (
    category_id INT AUTO_INCREMENT PRIMARY KEY,
    category_name VARCHAR(100)
);

CREATE TABLE tiny_ad (
    ad_id INT AUTO_INCREMENT PRIMARY KEY,
    product_id INT,
    ad_description TEXT
```

```
);

CREATE TABLE advertise (
    ad_id INT,
    ad_detail TEXT,
    FOREIGN KEY (ad_id) REFERENCES tiny_ad(ad_id)
);
```

Backend Logic:

- Ensure your PHP scripts are correctly placed in the server's root directory and configured to connect to the MySQL database.

Deployment

Local Testing:

- Test the application locally using your web server.
- Ensure all front-end and back-end components communicate properly.

Cloud Deployment:

- Deploy the application on AWS or another cloud service for production use.
- Set up the environment to handle scaling, security, and performance.

Production Deployment:

- The project is live and hosted on Hostinger.
- The live site can be accessed at https://onlinepgdekho.com.

Running the Application

Starting the Server:

- Start your web server (e.g., Apache or Nginx).
- Ensure the MySQL server is running.

Access the Application:

- Open a web browser and navigate to https://onlinepgdekho.com.

User Registration and Login:

- Register a new user or log in with existing credentials.
- Use the application to browse listings, make bookings, and interact with other functionalities as intended.

Security Measures

Implement Security Protocols:

- Use SSL/TLS to encrypt web traffic.
- Implement hashing and salting for password storage.
- Defend against SQL injection, XSS, and CSRF attacks.

Quality Assurance

Testing:

- Conduct thorough testing, including unit tests, integration tests, and penetration tests.
- Fix any identified issues to ensure the platform operates smoothly.

By following these detailed steps, you can understand the process of setting up, running, and deploying the project. You can also visit https://onlinepgdekho.com to experience the live site.

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