DBMS Project
Gada Electronics Online Retail Store

Group 10
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Overview

This project is an online retail store for Gada Electronics, allowing customers to browse and purchase electronic products. It includes modules for customers to sign up, view products, manage addresses, add items to the cart, and complete purchases. Additionally, there's a warehouse manager module for managing product inventory.

Features

Customer Module

1. **Sign Up / Login:**
   - Customers can sign up using their name, email, phone number, and password.
   - Customers can log in using email/phone and password.
2. **View Products:**
   - Customers can browse products categorized into different electronic types like Laptops, Mobile Phones, etc.
3. **Address Management:**
   - Customers can add new addresses.
   - Update the address to which they want to order the item.
4. **Add to Cart:**
   - Customers can add products to their cart for future purchases.
   - Can only add at most the maximum number of the quantity available.
5. **Checkout and Payment:**
   - Customers can view their cart and make payments for their orders.
   - They can also decide their payment method *(UPI/Net banking/Credit/Debit Card)*.

Warehouse Manager Module

1. **Sign Up / Login:**
   - Warehouse managers can sign up using their name, email, phone number, and password.
   - Warehouse managers can log in using email/phone and password.
2. **Product Management:**
   - Add, update, view, and delete products.
   - Update product descriptions.

File Structure

```
web/

 templates/
    account.html
    add_product.html
    addresses.html
    adminbase.html
    base.html
    cart.html
    category.html
    checkout.html
    create_product.html
    error.html
    footer.html
    home.html
    login.html
    navbar.html
    order_history.html
    product_detail.html
    products.html
    receipt.html
    register.html
    signup.html
    update_inventory.html
    warehouse_inventory.html

 app.py

 config.json
```

How to Run

1. **Install Dependencies**:

```
pip install -r requirements.txt
```

2. **Database Setup**:
    - Create a MySQL database and import `database.sql` to set up tables and initial data.
3. **Backend Configuration**:
    - Update database connection details in `web/config.json`.
4. **Run the Application**:
    - Open a terminal in the project directory.
    - Start the Flask server:

```
cd web/
python app.py
```

5. **Access the Application**:
    - Open a web browser and go to `http://localhost:5000` to access the application.

Tech Stack

- **Front End**: HTML, Bootstrap CSS and JavaScript
- **Back End**: Flask *(Python)*
- **Database**: MySQL