# Artisanal E-commerce Project Documentation

## Overview

The Artisanal E-commerce project is a web application developed using Flask, a lightweight Python web framework. This platform serves as an online marketplace for artisanal products, offering a curated selection of high-quality handmade items. The project emphasizes a user-friendly interface, secure authentication, and seamless shopping experience for both customers and administrators.

## Key Features

## 1. User Authentication

* **Admin Panel:** Secure login for administrators with full control over product listings and user management.
* **Customer Accounts:** User registration and login for customers to view products, add items to the cart, and make purchases.

## 2. Product Management

* **Product Listings:** Display detailed information about artisanal products, including brand, model, price, and description.
* **Admin Product Management:** Add, edit, and delete products through the admin dashboard.

## 3. Shopping Cart Functionality

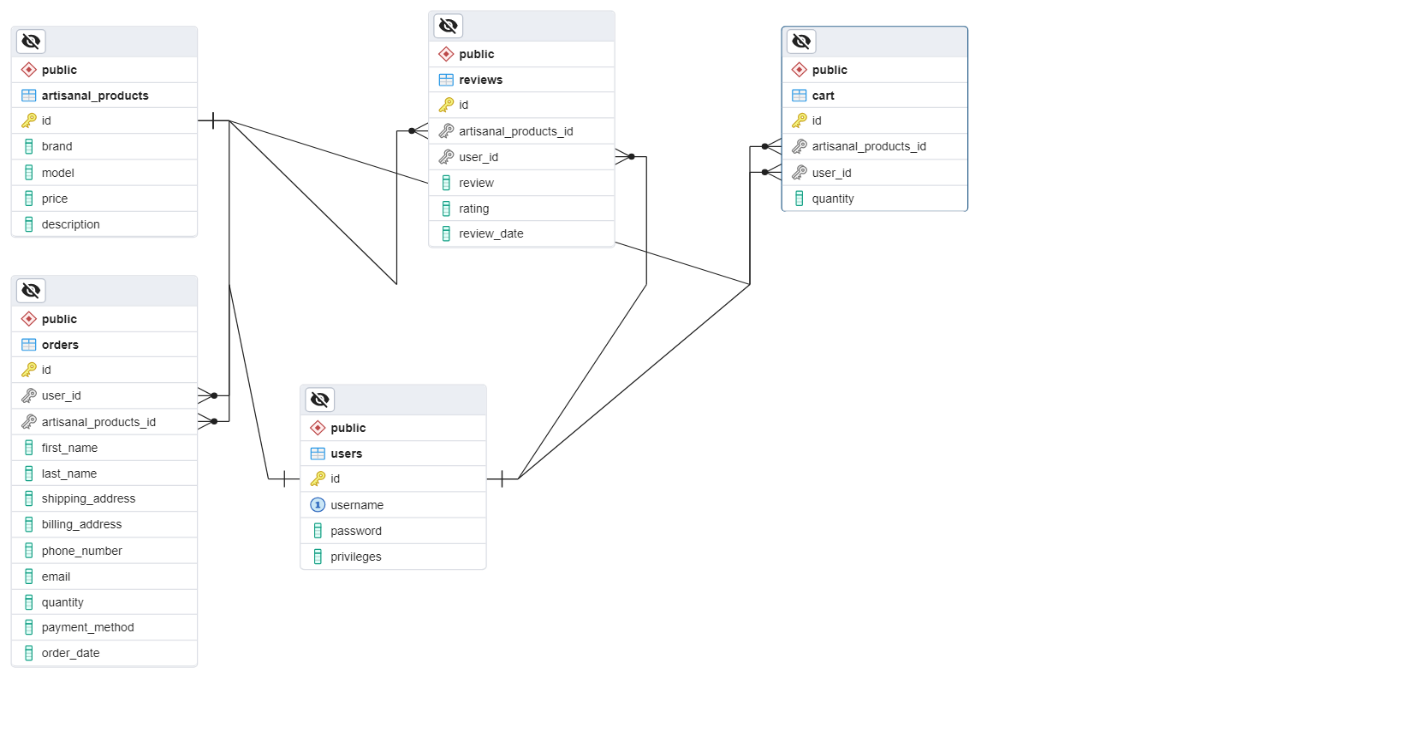
* **Add to Cart:** Customers can add products to their cart for later purchase.
* **Checkout:** Seamless checkout process for customers to review their cart items, enter shipping details, and place orders.

## 4. Security Measures

* **Password Hashing:** User passwords are securely hashed using industry-standard algorithms to ensure data safety.
* **Authentication Middleware:** Middleware ensures that only authenticated users can access certain routes, enhancing security.

## Database Structure

The project utilizes a relational database to store user data, product information, and order details. The database schema includes tables for **users**, **artisanal\_products**, **reviews , cart** and **orders**.

I have successfully demonstrated the functionality of the website and have provided a detailed explanation in the attached **PDF** document, outlining the features, usage instructions, and technical aspects of the Artisanal E-commerce platform.