

A  
Project Report

On..

## **E-Commerce Website(Wristwatches)**

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I would like to thank my project coordinator and my faculty guide for his valuable guidance for the project and I would like to thank my project partner who helped me through my entire project.



## Preface

The purpose of this E-Commerce website is to improve the user experience and their awarenesses.

The E-Commerce Website project will be used to minimize the time and the resource by enhancing product purchasing technique and seamless experience.

While the resources which minimized are workforce, money and paper etc.

The website is user-friendly and will help the watch purchasers.



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## Project Profile

Project Title	E-Commerce Website(Wristwatches)
Objective	The E-commerce Website will provide user a better experience of purchasing the Wristwatches.
Hardware Requirements	Pentium 90 MHz or faster and 1GB RAM or higher
Software Requirements	Python version 3.11.9 or higher, Mysql
Front-End	HTML,CSS,JAVASCRIPT,Python
Back-End	Python Django
Database	SQLite
Others	Ms-word 2022

# Project Requirement

## ➤ Hardware Requirement

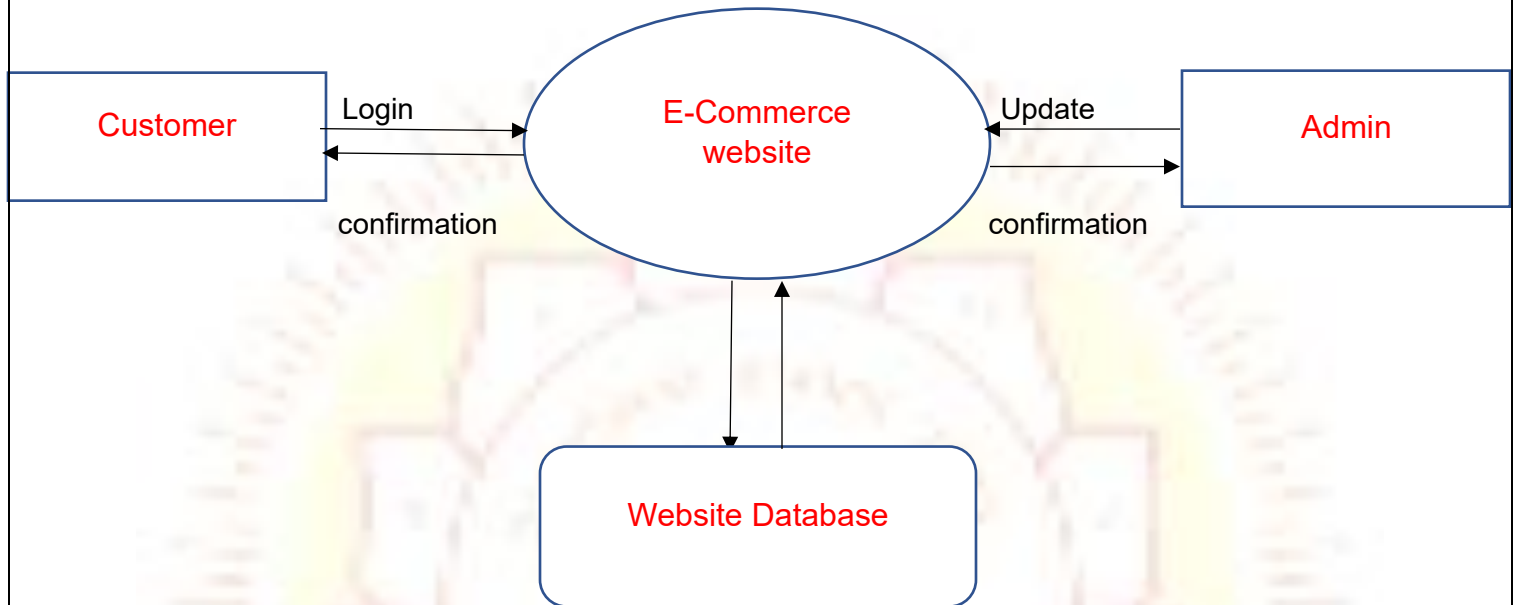
Hardware Name	Hardware
Processor	Pentium or AMD
storage	20GB or Higher
RAM	4GB or Higher

# Technology Requirements

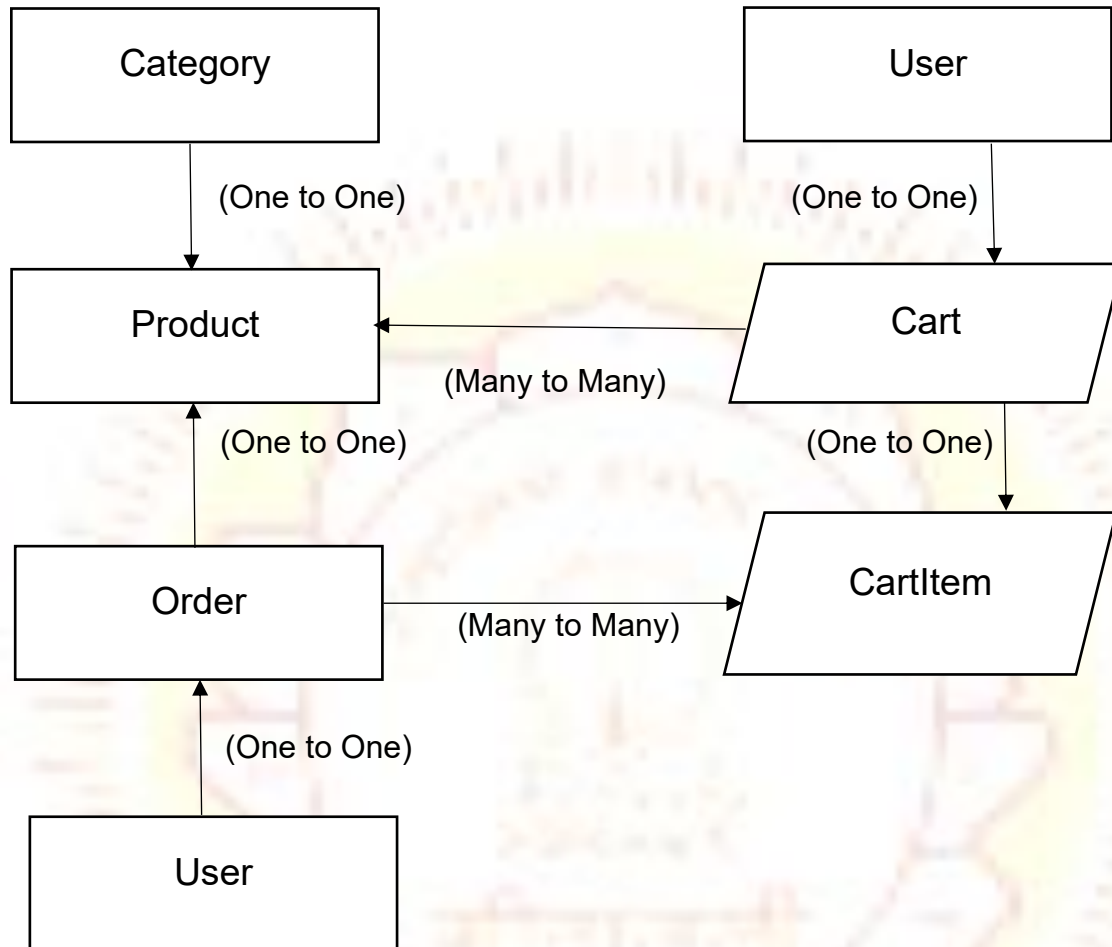
## ➤ Software Requirements

No.	Software Used
1	Python Django
2	Windows OS (Windows 10/11)
3	Visual Studio Code

# Data Flow Diagram



# ER Diagram





# Data Dictionary

## ➤ Product

Sr no.	Field Name	Data Type	Size	Constrain
1	id	AutoField	-	Primary Key
2	name	CharField	200	-
3	Description	TextField	500	-
4	Price	DecimalField	10	-
5	Image	ImageField	-	-
6	Specification	TextField	500	-
7	Category	CharField	20	-

## ➤ CartItem Table

Sr no.	Field Name	Data Type	Size	Constrains
1	Id	AutoField	-	Primary Key
2	cart	ForeignKey(Cart)	-	Required, CASCADE
3	product	ForeignKey(Product)	-	Required, CASCADE
4	quantity	PositiveIntegerField	-	Default: 1

➤ **Order**

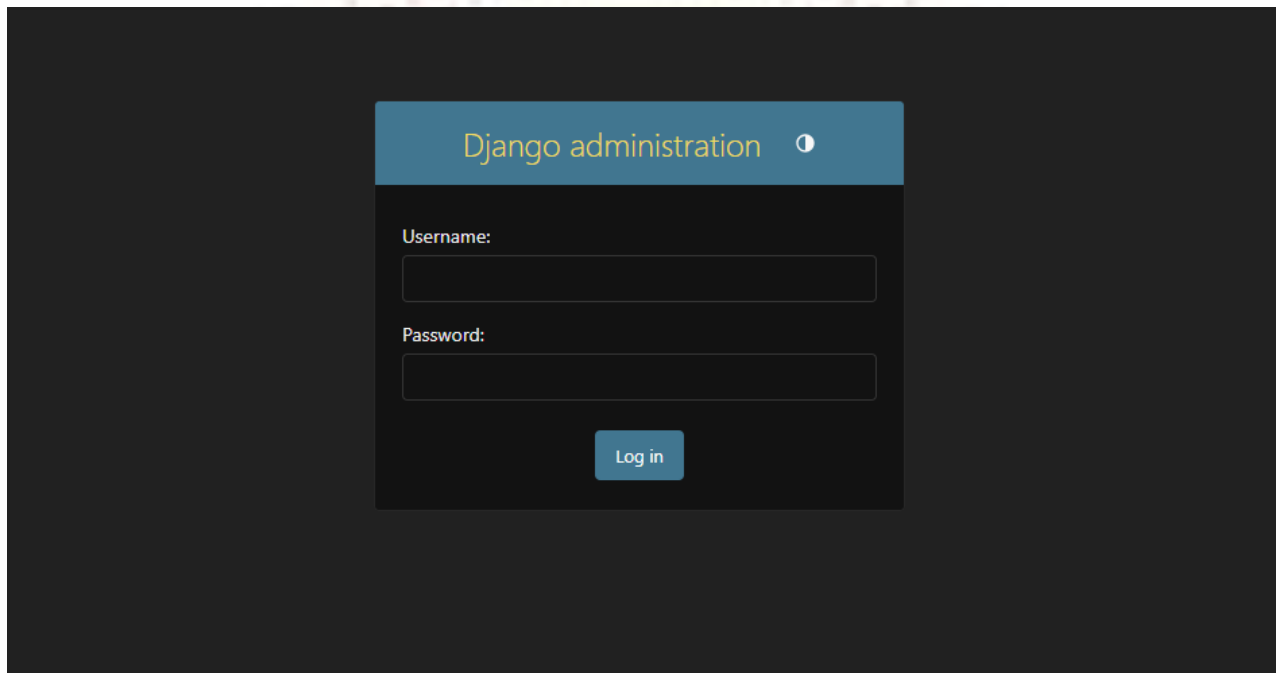
Sr no.	Field Name	Data Type	Size	Constrains
1	id	AutoField	-	Primary Key
2	user	ForeignKey(User)	-	Required, CASCADE
3	products	ManyToManyField(Product)	-	Required
4	address	TextField	-	Required
5	city	CharField	100	Default: None
6	state	CharField	100	Default: None
7	country	CharField	100	Default: None
8	pin_code	CharField	7	Default: '0000000'
9	payment_method	CharField	100	Required
10	status	CharField	50	Default: 'Pending'
11	total_price	Property	-	Computed total price

➤ **Cart Table**

Sr no.	Field Name	Data Type	Size	Constrains
1	id	AutoField	-	Primary Key
2	user	OneToOneField(User)	-	Required, CASCADE
3	products	ManyToManyField(Product)	-	Optional

# Screen Shots

## ➤ Admin Login Page



Django administration

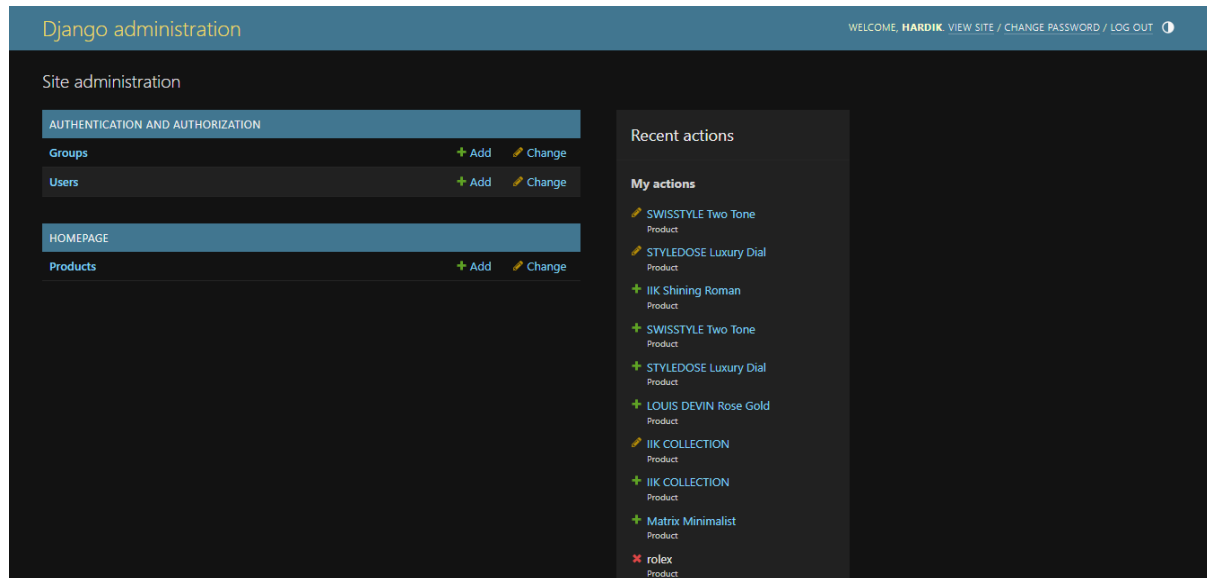
Username:

Password:

Log in

- In this page admin can enter the main page using correct username and password. It is an authentication for all admin.

## ➤ Admin panel



- This is the main dashboard of admin panel in this page admin can add product, user and also can view products and users.

## ➤ Add product page

Home > Homepage > Products > Add product

Add product

Name:

Description:

Price:

Image:  No file chosen

Specifications:  No specifications provided

Category:  ▼

- In this page admin can add product. Admin needs to fullfill all the fields to add product.

## ➤ Add user page

Home > Authentication and Authorization > Users > Add user

### Add user

First, enter a username and password. Then, you'll be able to edit more user options.

**Username:**   
Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

**Password-based authentication:** ☒ Enabled ☐ Disabled  
Whether the user will be able to authenticate using a password or not. If disabled, they may still be able to authenticate using other backends, such as Single Sign-On or LDAP.

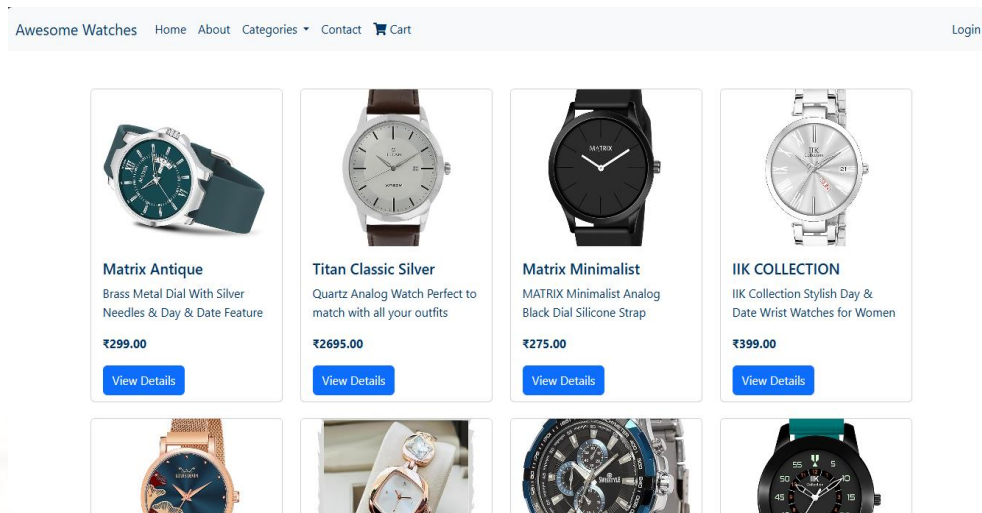
**Password:**   
Your password can't be too similar to your other personal information.  
Your password must contain at least 8 characters.  
Your password can't be a commonly used password.  
Your password can't be entirely numeric.

**Password confirmation:**   
Enter the same password as before, for verification.

- In this page admin can add user.

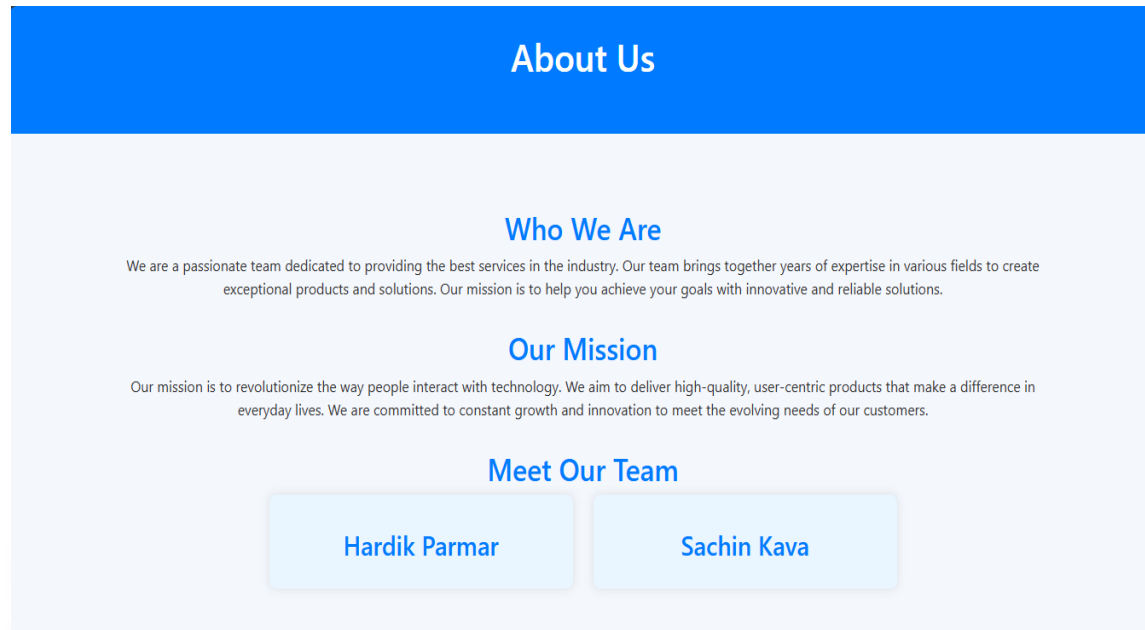


## ➤ Home page



- This is the main home page of our website.
- You can see all products and the menu also can see the categories.

## ➤ About page



- This is the about page it contains the basic information about the website.





## ➤ Contact Page

### Contact Us

Your Name

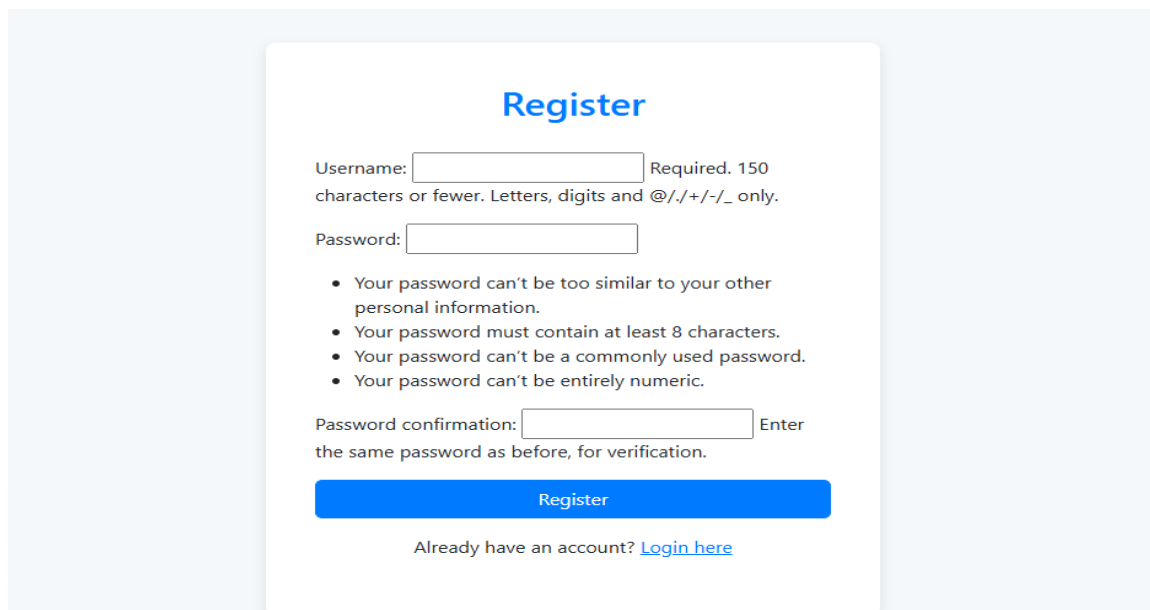
Your Email

Your Message

Send Message

- This is the contact page it helps customer to contact with the site developers.

## ➤ Registration page

A registration form titled "Register" in blue. It includes input fields for "Username" and "Password", with a "Password confirmation" field. A blue "Register" button is at the bottom. Below the button is a link "Login here" for users who already have an account. The form is set against a light blue background.

**Register**

Username:  Required. 150 characters or fewer. Letters, digits and @/./+/-/\_ only.

Password:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

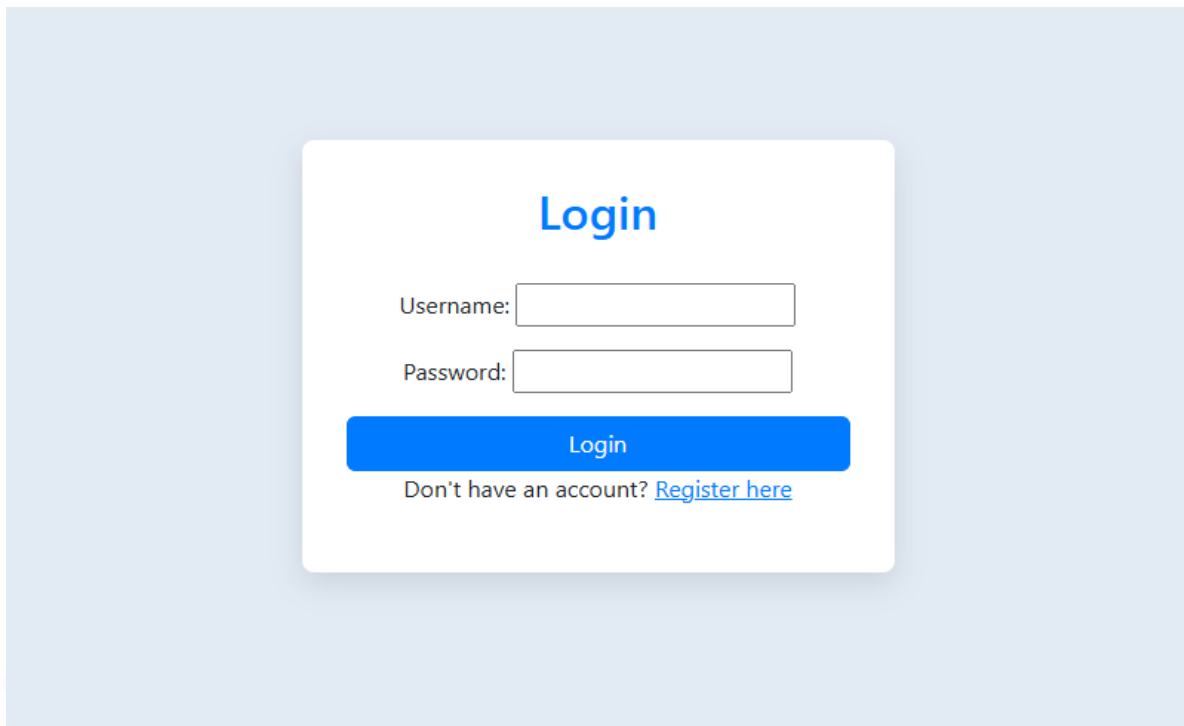
Password confirmation:  Enter the same password as before, for verification.

[Register](#)

Already have an account? [Login here](#)

- This is the registration page where user can register themselves and then do the login into the site.


## ➤ User Login Page

A mockup of a user login page. It features a light blue background with a white login form in the center. The form has a blue title 'Login', two input fields for 'Username:' and 'Password:', a blue 'Login' button, and a link 'Don't have an account? [Register here](#)'.

- This is the login page when user can simply enter the username and password and can login into the website.
- Also if user is not registered then user can simply just go to the registration page by clicking on the 'register here' link.

## ➤ Product Detai Page

[Awesome Watches](#) [Home](#) [About](#) [Contact](#) [Cart](#) [Logout](#)



**Matrix Antique**  
Brass Metal Dial With Silver Needles & Day & Date Feature

**Product Specifications**

- Case diameter : 44 Millimetres
- Band colour : Black
- Band material : typeSilicone
- Warranty type : Manufacturer
- Watch movement : typeQuartz
- Case thickness : 12 Millimetres
- Country of Origin : India

₹299.00

[Add to Cart](#) [Buy Now](#)

- This is the product detail page where user can see the details about the product and add to the cart if he/she wants.
- User also can go to purchase the product by simply clicking on the 'Buy Now' button.

## ➤ Cart Page

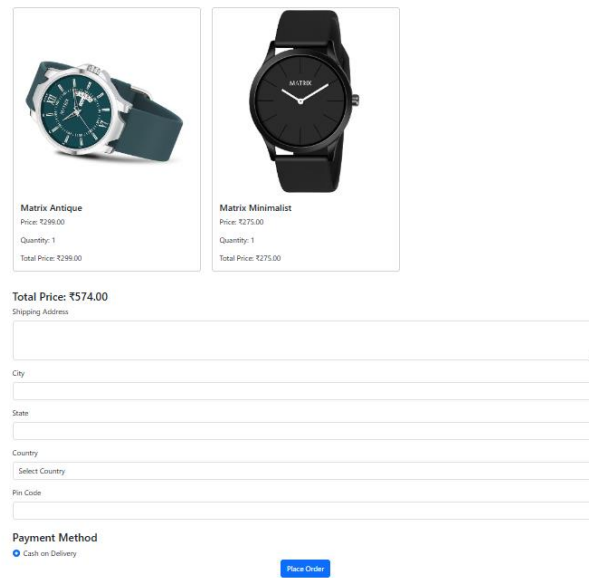
### Your Cart

Product	Price	Quantity	Total	Action
Matrix Antique	₹299.00	<input type="button" value="-"/> 1 <input type="button" value="+"/>	₹299.00	<input type="button" value="Remove"/>
Matrix Minimalist	₹275.00	<input type="button" value="-"/> 1 <input type="button" value="+"/>	₹275.00	<input type="button" value="Remove"/>

Total Price: ₹574.00

- This is the user cart page.
- User can only see the cart page if he/she is logged in.
- In this page user can see all the products and its quantity and price which user added to that cart.

## ➤ Checkout Page



The screenshot shows a checkout page with two product cards at the top. The first card displays a 'Matrix Antique' watch with a green dial and leather strap, priced at ₹299.00. The second card displays a 'Matrix Minimalist' watch with a black dial and leather strap, priced at ₹275.00. Below the products, the 'Total Price' is ₹574.00. The 'Shipping Address' section includes input fields for the address, city, state, country (a dropdown menu), and pin code. The 'Payment Method' section shows 'Cash on Delivery' as the selected option. A blue 'Place Order' button is located at the bottom right of the form.

Matrix Antique  
Price: ₹299.00  
Quantity: 1  
Total Price: ₹299.00

Matrix Minimalist  
Price: ₹275.00  
Quantity: 1  
Total Price: ₹275.00

Total Price: ₹574.00

Shipping Address

City

State

Country  
Select Country

Pin Code

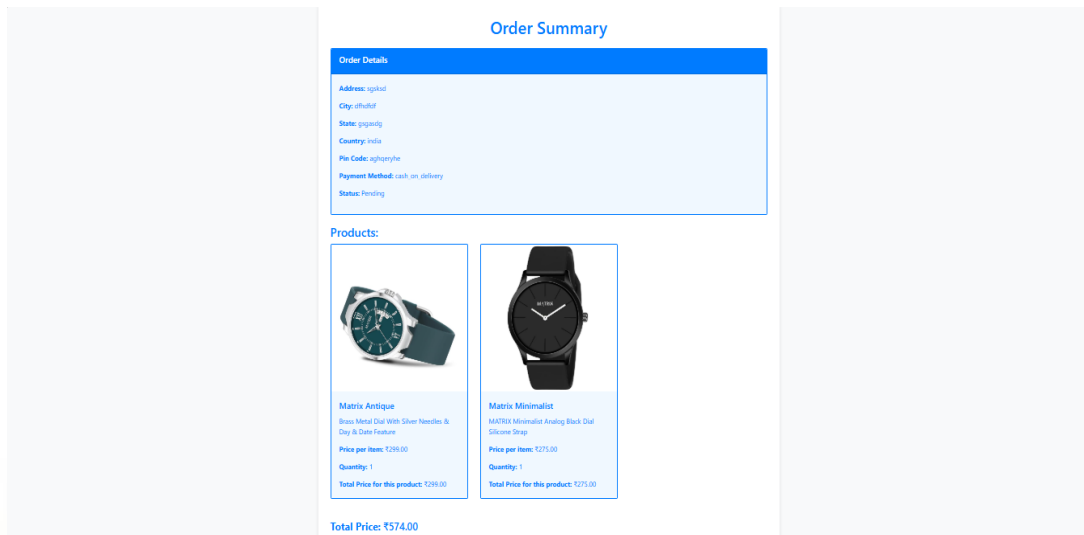
Payment Method

☒ Cash on Delivery

Place Order

- This is the checkout page where user can enter the address where user wants its product to be delivered.
- Down there is the payment method which is only 'cash on delivery'.

## ➤ Order Summary Page



- This page is order summary page.
- In this page user can see the order's all details and total price that has to be paid.

## Future Enhancements

Our E-commerce platform currently provides a seamless shopping experience with product listings, user profiles, and secure payment options. In the future, we plan to introduce more advanced features such as personalized product recommendations, live chat support, and AI-driven search capabilities to enhance user experience.

We will also integrate advanced filters, wish lists, and review systems to assist users in making better purchasing decisions.





# Limitations

## ➤ User Limitations:

- **No Online Payments**

The User cannot do the online payments. Maybe in future we will also add this feature.

- **User Authentication:**

Limited user authentication methods may expose the system to unauthorized access.

- **Functionality Limitations:**

- **Search Functionality:**

Basic search capabilities may not support advanced queries, such as filtering by multiple criteria.

- **Reporting:**

Limited reporting features may restrict users from generating customized reports on user activity or inventory status.

# Webliography

- <https://stackoverflow.com/questions/tagged/django>
- <https://docs.djangoproject.com/>

