

ARTEMIS SHOES



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Project Final Report (Group - 4)

Raiyan Rahman 1931340042

MD Ariful Hasan Suvo 1913087642

Sumit Saha 1931415042

Hemel Sarker Shuvo 1931629642

Mohammad Hossain Chowdhury 1931328042

Artemis Shoes

GROUP NAME - ECOMMERCE

OVERVIEW

E-Commerce means buying and selling of goods, products or services over the internet. Online stores like Amazon, Flipkart, Shopify, eBay and Daraz are examples of E-commerce websites. At present E-commerce is the best option available for the people to build a better business world for insuring success in future rather than doing a traditional mode of business. Moreover, The COVID-19 crisis accelerated an expansion of e-commerce towards new firms, customers and types of products. It has provided customers with access to a significant variety of products from the convenience and safety of their homes.

We all know how hassle it can be sometimes to buy shoes in person these days, given we are going through a pandemic and so on. In this course, we are going to build a fully functional website from scratch using various tools and languages. Our main objective is to make the customer feel like they are in the shop in real time while shopping online. We are aiming at selling footwear of various brand in our website.

ABSTRACT

The project's goal was to create an online shop for shoe-related products utilizing open-source technologies (Django Framework, Python, React JS, PostgreSQL, HTML, CSS, JavaScript, JSON Authentication, Bootstrap, Web host). The developed application will have an admin view and a public or guest view. The administrator can update products, modify prices, remove and add products, and manage customers using the admin view. Customers will have access to the customer view, where they will be able to manage their personal information, such as their name, address, and contact information. Customers will also be able to place orders for products from the shop.

LITERATURE REVIEW

With the development of online-based services, many daily tasks have become much more manageable. We have all been using convenience to order goods online for the past few years. In the early days, certain online shops received orders from some customers through phone calls and delivered products to their homes or workplaces. However, now with some apps like Daraz, Chaldal, Food panda, Uber eats, etc., customers can see various products on one platform and place the order of their choice. After the Covid pandemic, people are more interested in buying products online. This time, we developed an E-commerce website called "Artemis Shoe," an online shop to sell varieties of shoes. This platform will consist of all the brands, available shoes, and prices from which customers can order their favorite shoe/shoes. This website will have a home delivery option, and customer can get their desired shoes ordered from home. We think that developing this application will reduce the hassle of customers, and they can choose their shoes easily.

BACKGROUND

The whole world, including Bangladesh is seeing an increase in online commerce. This drastically effects the entire market since people are buying more footwear online than offline. Since Covid-19 pandemic has started, all ecommerce websites, including giants like Amazon has seen profits in billions of dollars. Our platform will encourage this rapid ecommerce takeover of the market, while helping people keep social distancing.

There are several key reasons that footwear ecommerce appeals to the population:

- Most convenient way to shop.
- Offers the ability to shop 24/7.
- Comparison-shopping is simple because of the vast selection.
- Most footwear stores offer bigger discounts and savings on their products.
- Large profit to the manufacturer.
- Unemployment solution.
- Expands the marketplace.

AIMS AND AMBITION

Our goal is to create a fully functional website that will have all the functionalities necessary for a customer to buy and pay for a footwear's.

- The customer will be shown exclusive footwear in their home page.
- One can add shoes/socks to cart whenever they want and the amount of products they want to buy.
- User can conveniently shop anytime and place orders.
- User friendly interface with client sided features to tweak the website accordingly.
- Strong relational database for easy solution.
- Market friendly and emerging technology stack will be used.

APPLICATION

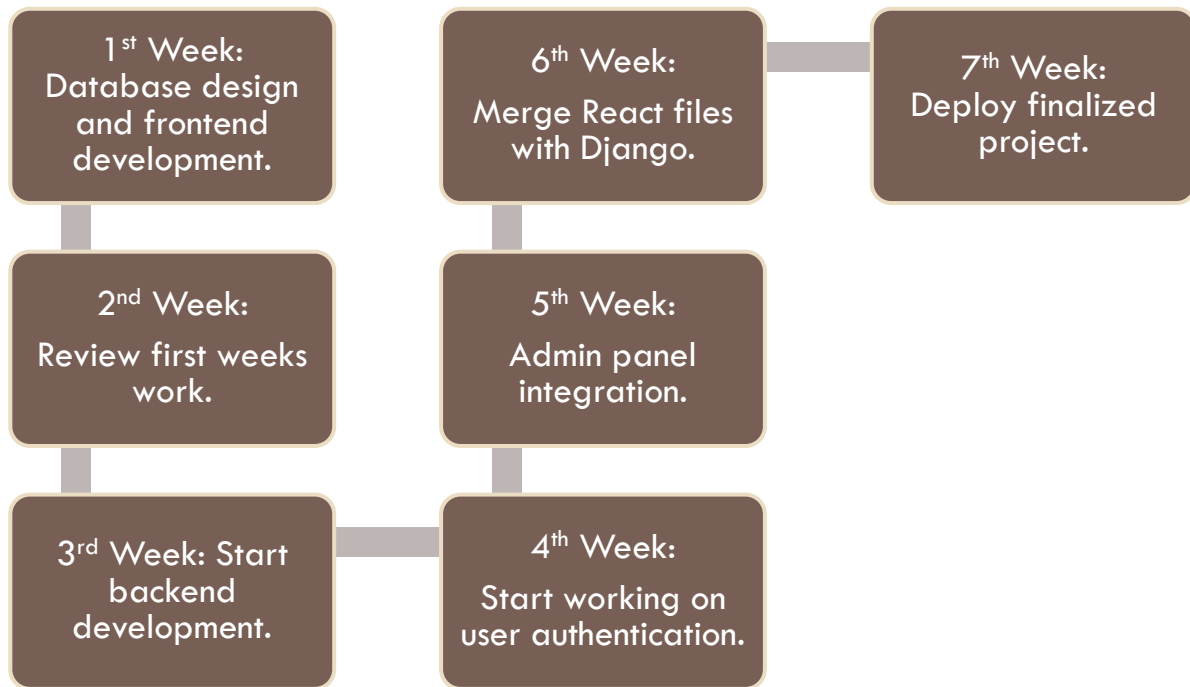
- **Register:**
New users can register to our website using their email address, this information will be saved into our database.
- **Login:**
Existing users can login using their email/username and password.
- **Adding to Cart:**
Users will be able to add several products to the cart, each can be of various quantity. For example, a user can add two shoes and three socks in the cart. This cart functions as a real life cart, where one can put items back to shelf before checkout.
- **Browse:**
Using our search feature, users can search for specific or family of products from our database, look at their price and availability.
- **Checkout:**
User can finalize their choice of products, then head on to the checkout page to pay for the items and place the order into our database. We will then let our deliverymen know about the checkout list and they will complete the delivery right at their doorstep.
- **Logout:**
Users can logout of their account whenever they want. They simply will click the logout button on the navigation bar and log out of their account.

TOOLS

We will be using several versatile tools to build this website.

- Django Framework
- Python
- React JS
- PostgreSQL
- HTML
- CSS
- JavaScript
- JSON Authentication
- Bootstrap
- Web host
- VS Studio Code

PROJECT TIMELINE



RESULT AND EVALUATION

We observed that our online application "ARTEMIS SHOES" performs successfully after unit and integration testing.

1. It enables users to first create an account on the website. The account details are saved in the database.

Artemis Shoes Login

Register

Set Username

Set Email

Set Password

Register

[Login Instead?](#)

Django administration WELCOME, RAIYAN. VIEW SITE / CHANGE PASSWORD / LOG OUT

Home > Authentication and Authorization > Users

Start typing to filter...

AUTHENTICATION AND AUTHORIZATION

- Groups + Add
- Users + Add

BASE

- Order items + Add
- Orders + Add
- Products + Add
- Reviews + Add
- Shipping address + Add

Select user to change

Search

Action: Go 0 of 7 selected

<input type="checkbox"/>	USERNAME	EMAIL ADDRESS	FIRST NAME	LAST NAME	STAFF STATUS
<input type="checkbox"/>	Mahir	mahir@gmail.com			
<input type="checkbox"/>	ariful				
<input type="checkbox"/>	hemel1	hemel@gmail.com			
<input type="checkbox"/>	raiyar	raiyarrahman78@email.com	Raiyan	Rahman	
<input type="checkbox"/>	raiyar	raiyar123456@email.com			
<input type="checkbox"/>	sumit1	sumit_saha@gmail.com			
<input type="checkbox"/>	suvo12	suvo1@gmail.com			

7 users

FILTER

By staff status

- All
- Yes
- No

By superuser status

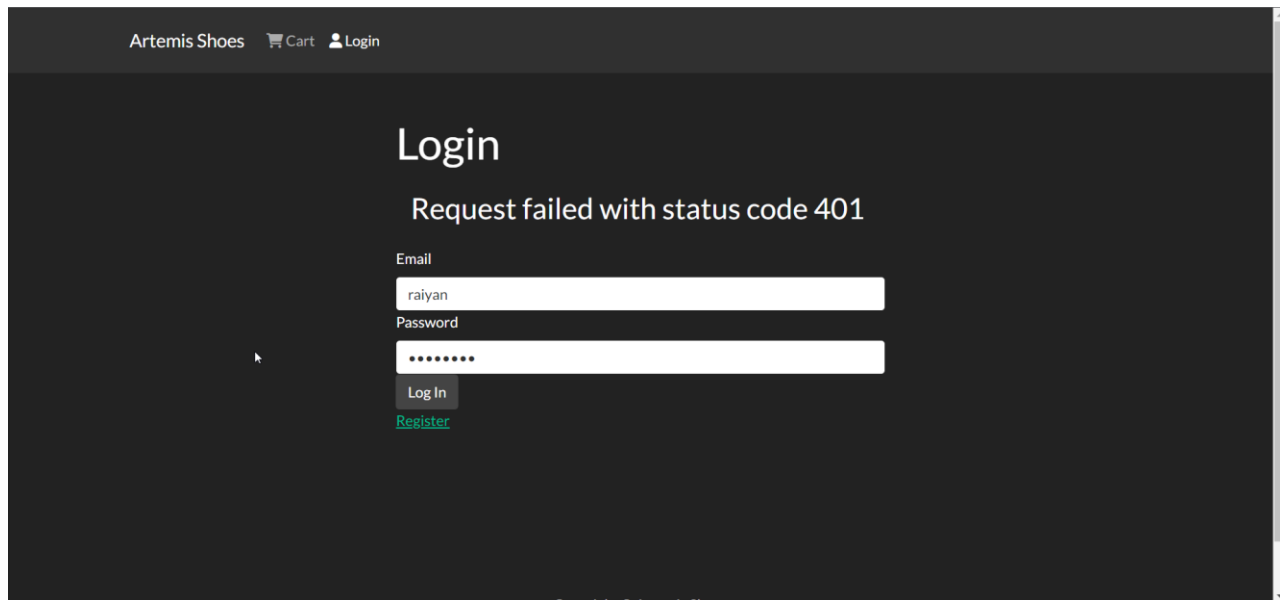
- All
- Yes
- No

By active

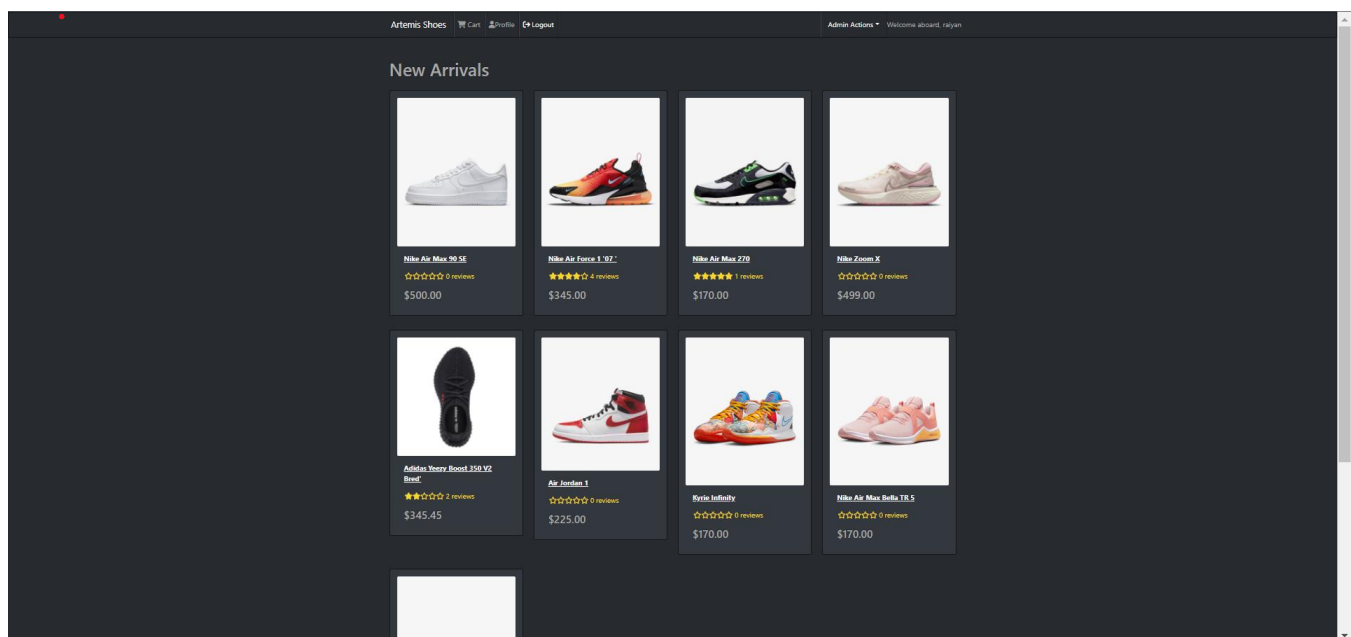
- All
- Yes
- No

ADD USER +

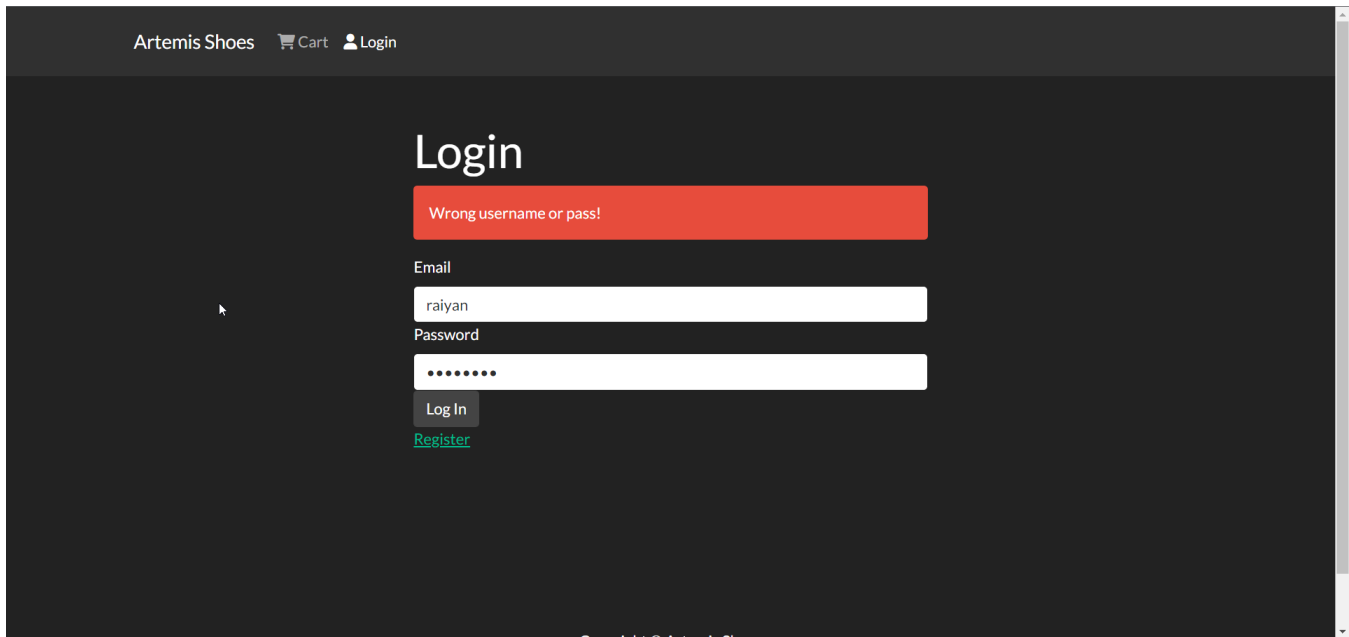
2. The user is able to successfully log into the system using the correct credentials. As a result, our system maintains integrity and is robust enough to allow users to log in using the correct credentials.



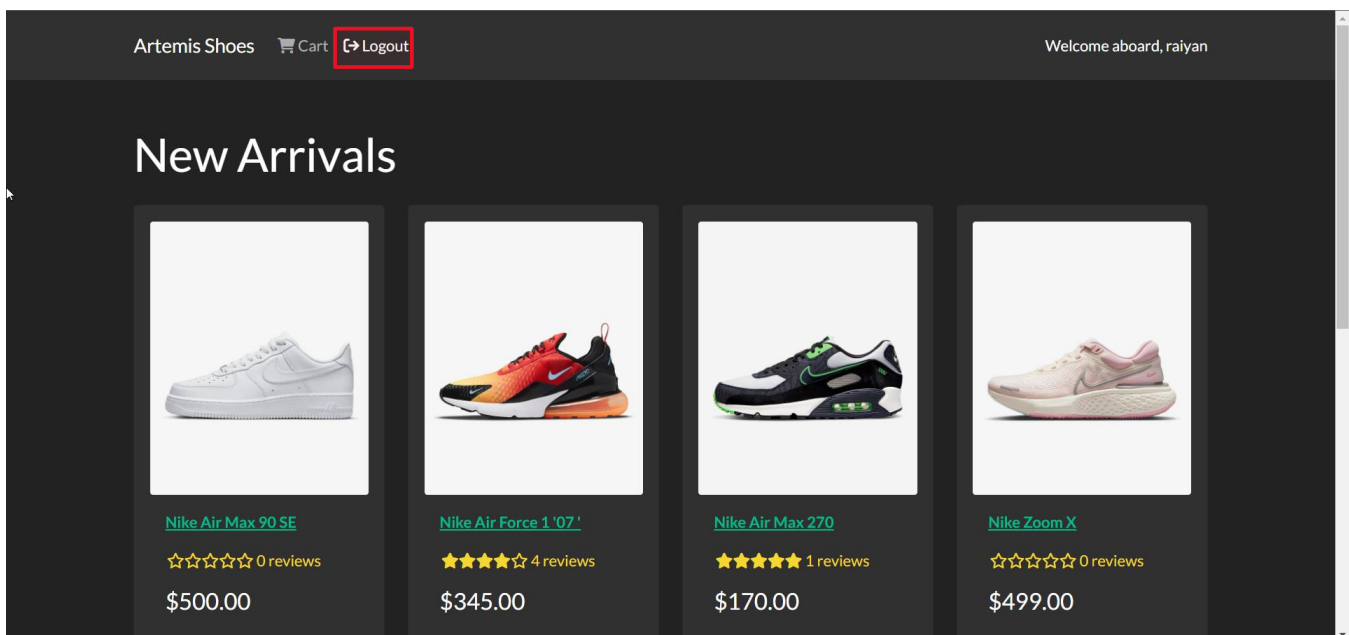
3. After logging in, a user interface will show on the homepage.



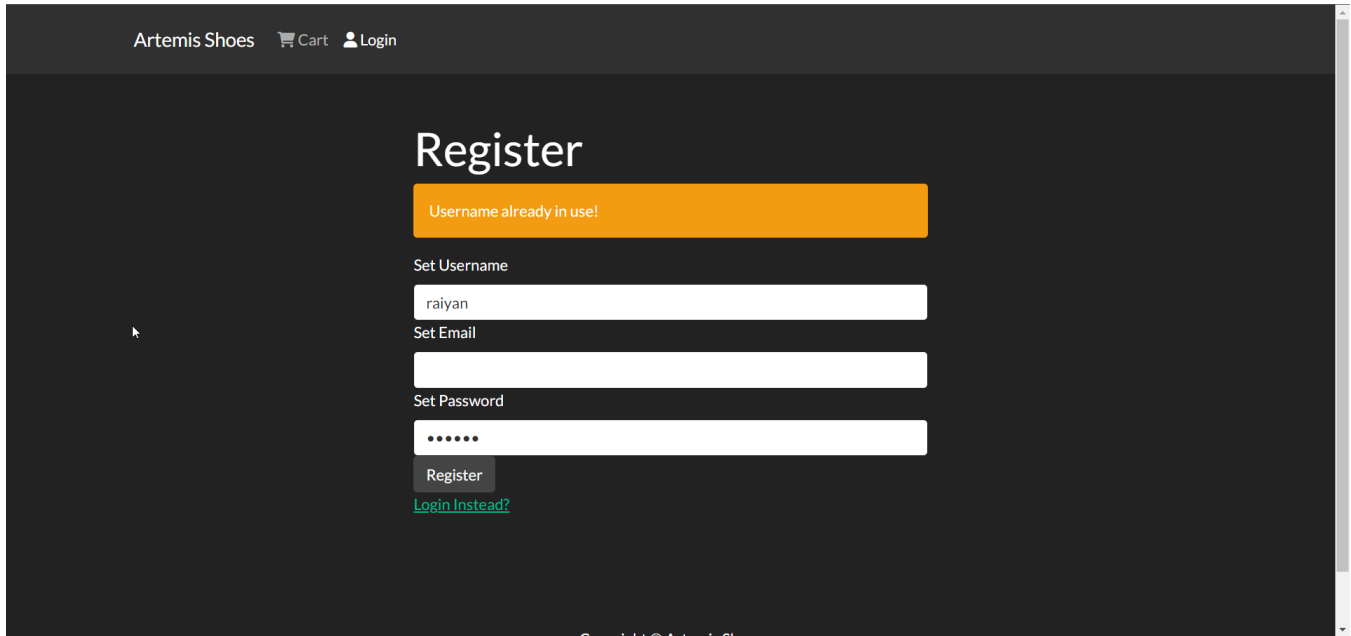
4. On the login page, if a user input wrong information, it will automatically show an error message.



5. After login, there will be a logout button for the user on the homepage.

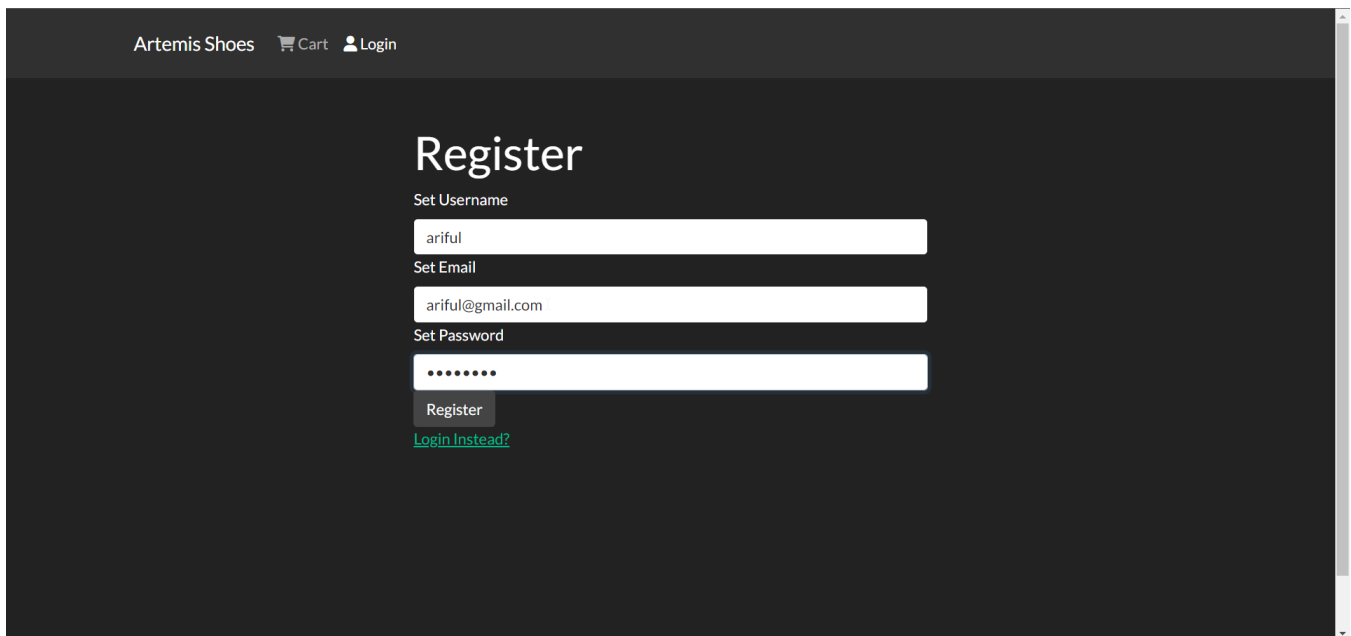


6. Users must register with a unique username. Otherwise, it will show "Username already exists."

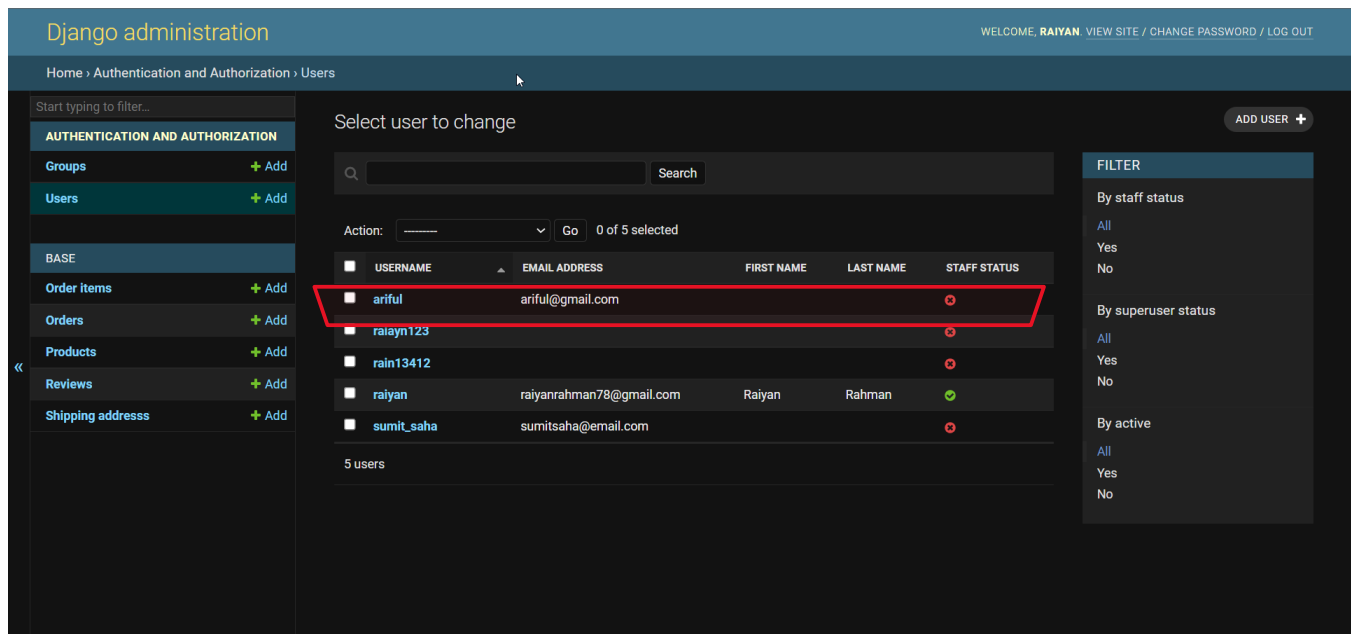


The screenshot shows the 'Register' page of the Artemis Shoes application. The page has a dark background with white text. At the top, there is a navigation bar with 'Artemis Shoes', a shopping cart icon, and a 'Login' link. The main heading is 'Register'. Below it, there is an orange error message box that says 'Username already in use!'. Underneath the error message, there are three input fields: 'Set Username' (containing 'raihan'), 'Set Email' (empty), and 'Set Password' (containing six dots). Below the input fields, there is a 'Register' button and a link that says 'Login Instead?'.

7. Admin page has a user model. This gets updated as soon as a new user is registered into the system.



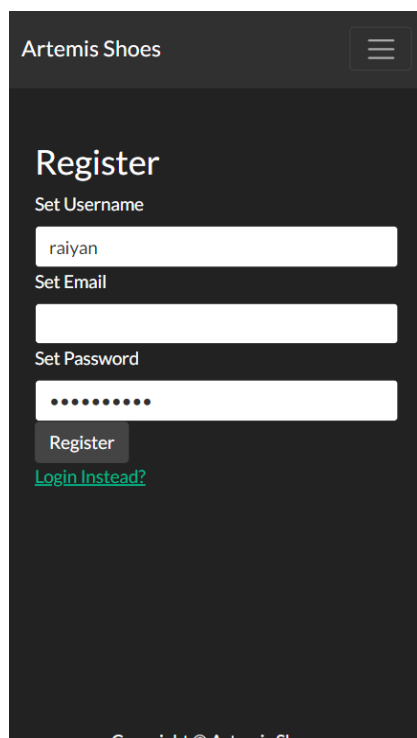
The screenshot shows the 'Register' page of the Artemis Shoes application. The page has a dark background with white text. At the top, there is a navigation bar with 'Artemis Shoes', a shopping cart icon, and a 'Login' link. The main heading is 'Register'. Below it, there are three input fields: 'Set Username' (containing 'ariful'), 'Set Email' (containing 'ariful@gmail.com'), and 'Set Password' (containing six dots). Below the input fields, there is a 'Register' button and a link that says 'Login Instead?'.



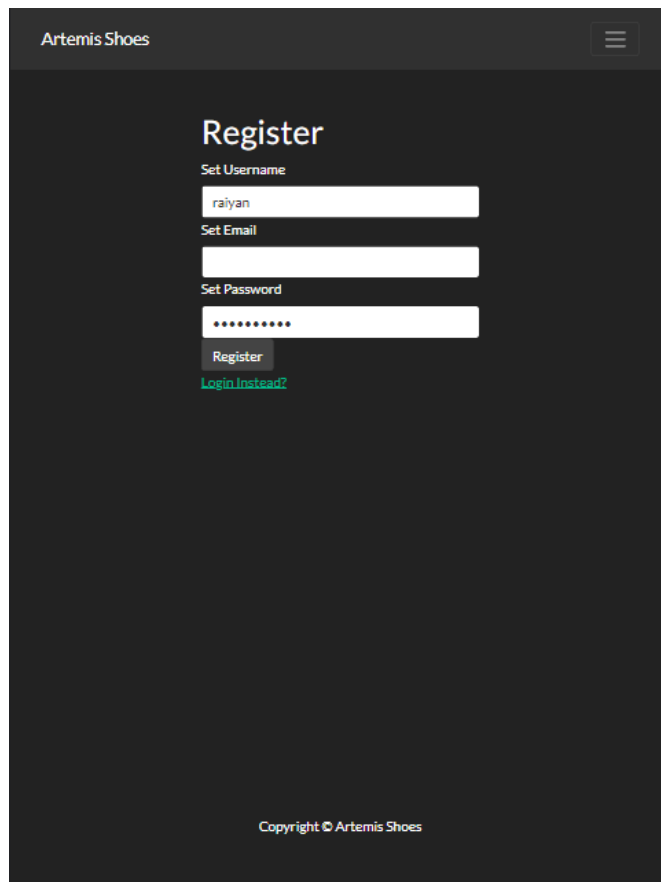
8. Our website will work properly on any device, and the user will have a smooth experience.

Responsive Pages:

- iPhone SE



- iPad Mini



Artemis Shoes

Register

Set Username

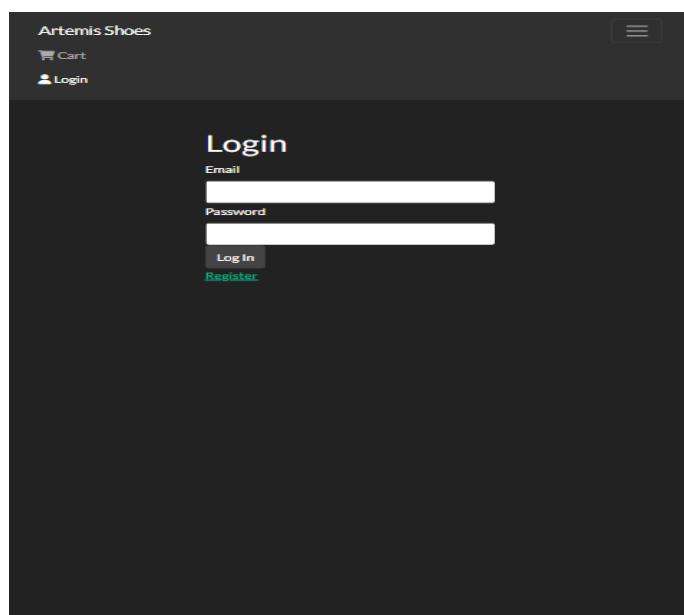
Set Email

Set Password

Register

[Login Instead?](#)

Copyright © Artemis Shoes



Artemis Shoes

[Cart](#)

[Login](#)

Login

Email


Password


Log In

[Register](#)

Artemis Shoes



 Cart

 Login

Login

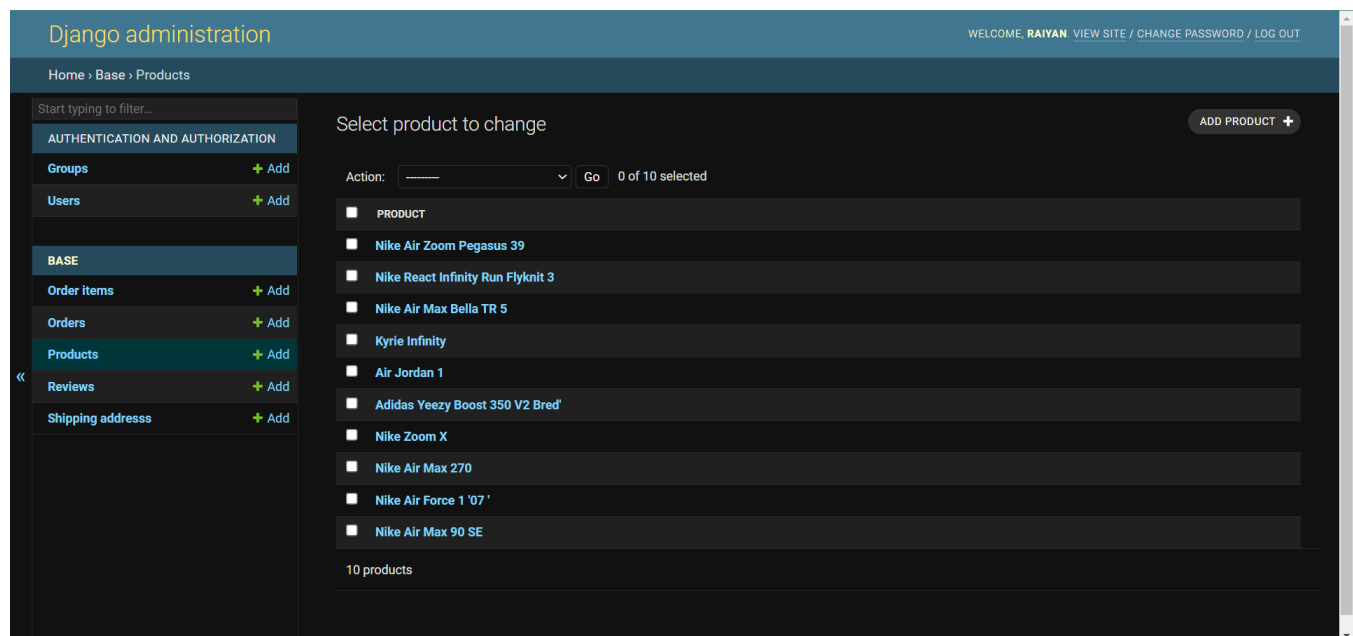
Email

Password

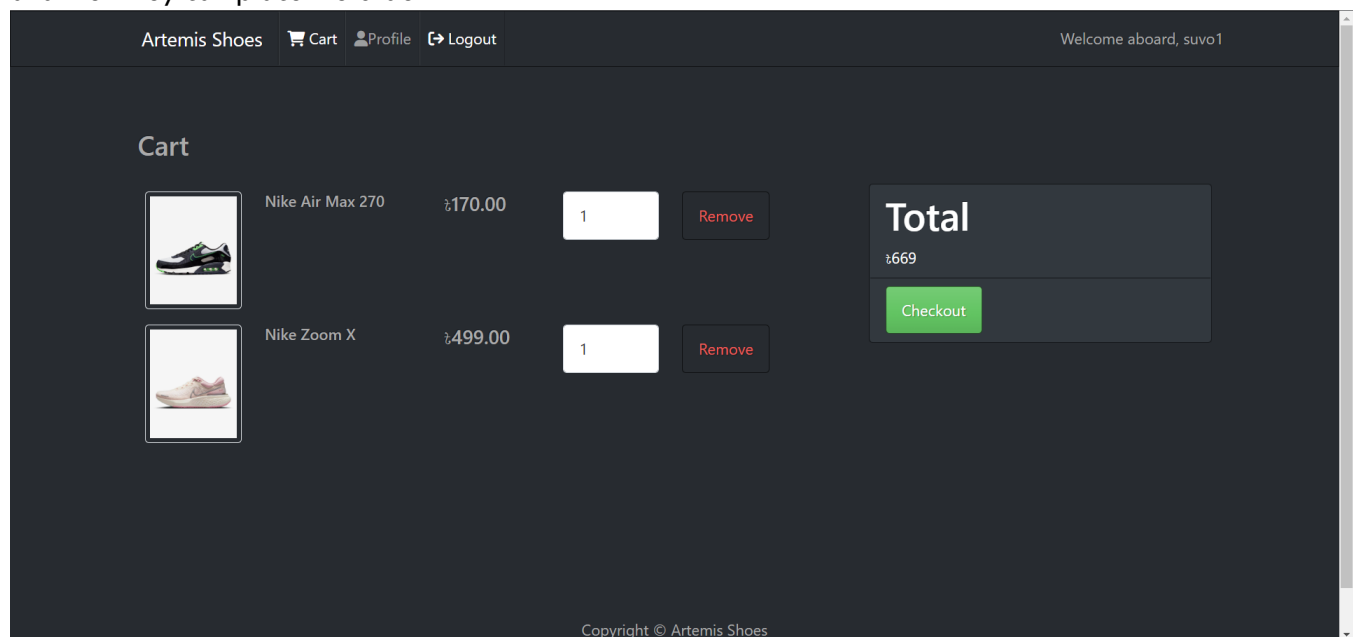
Log In

[Register](#)

9. Product information is stored in Django local server database.



10. Shopping Cart: This is the page where users can see their products and the total price they are ordering, and then they can place the order.



11. Shipping Page

Artemis Shoes

Cart

Profile

Logout

Welcome aboard, suvo1

Shipping

Address

LIB 611, North South University, Bashundhara R/A

Postal Code

1229

City

Dhaka

Country

Bangladesh

Phone Number

0179349183

Confirm Address

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12. Payment Page

Artemis Shoes

Cart

Profile

Logout

Welcome aboard, suvo1

Payment

Select payment method

☒ Cash on Delivery

Place Order

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13. Order Confirm Page

Artemis Shoes

Cart

Profile

Logout

Welcome aboard, suvo1

Order Number: 109



Address

LJB 611, North South University, Bashundhara R/A,
PostalCode: 1229,
Dhaka,
Bangladesh
Phone : 0179349183

Payment Method

Cash on Delivery

Items

Name	Price	Quantity	Total	
Nike Air Max 270	\$170.00	x1	170	
Nike Zoom X	\$499.00	x1	499	

Summary

Total	\$669
Shipping Cost	\$0.00
Tax	\$46.83
SubTotal	\$716.00

Not paid

Not Delivered

14. User Order List: User can see the previous order list and by clicking on the link they can also see details.

Artemis Shoes

Cart

Profile

Logout

Welcome aboard, Mahir

Profile

Change Email

mahir@gmail.com

Change Password/Old Password

Update

Previous Orders

Order id: 111

[2022-04-18T13:05:58.498378](#)

Order id: 110

[2022-04-18T13:05:14.597237](#)

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15. User Order Detail

Artemis Shoes

Cart

Profile

Logout

Welcome aboard, Mahir

Order Number: 111

Address

House 28, Road 3, Block C, Bashundhara R/A,
PostalCode: 1229,
Dhaka,
Bangladesh
Phone : 769759759

Payment Method

Cash on Delivery

Items

Name	Price	Quantity	Total
Nike Air Max 90 SE	\$500.00	x1	500

Summary

Total	\$500
Shipping Cost	\$0.00
Tax	\$35.00
SubTotal	\$535.00

Not paid

Not Delivered

16. Admin's Login

Artemis Shoes

Cart

Login

Login

Email

raiyar

Password

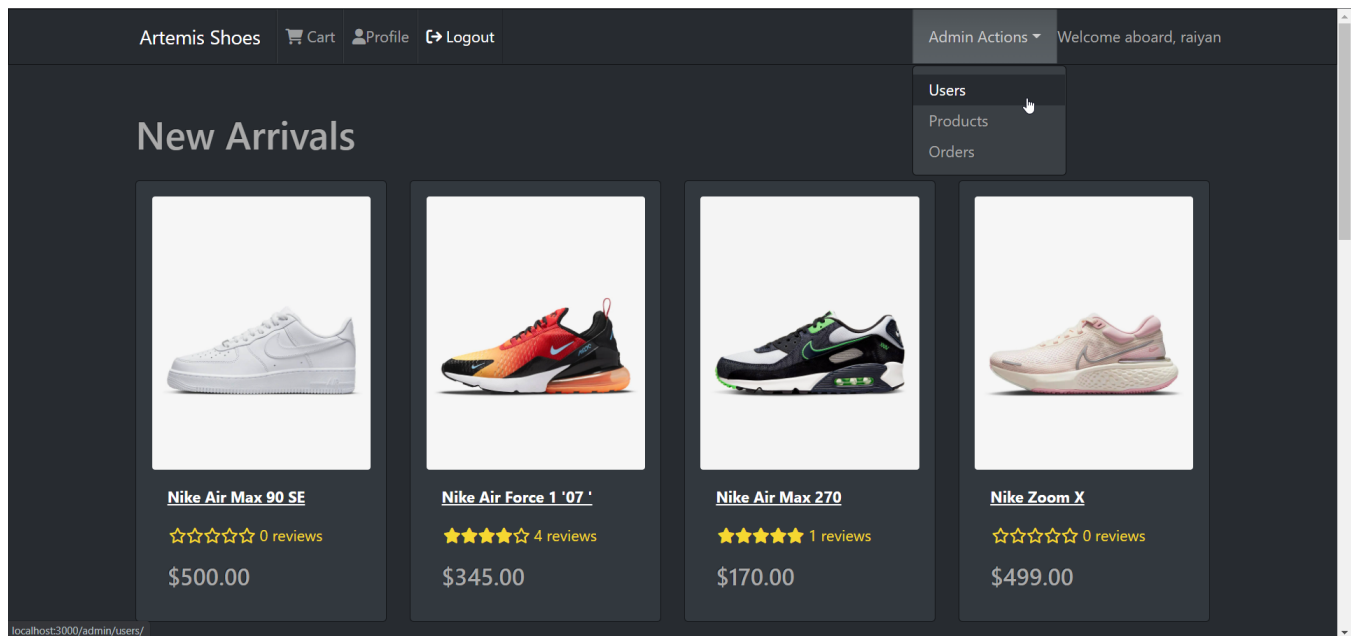
.....

Log In

[Register](#)

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17. Admin Actions



18. Admin can manage users list. For example, admin can edit user information and remove user from the list.

ID	Username	Email	Staff Status	Profile	Remove user
1	raihan	raihanrahman78@email.com	Employee	edit	Remove User
17	raihanr	raihan123456@email.com		edit	Remove User
20	sumit1	sumit_saha@gmail.com		edit	Remove User
23	ariful			edit	Remove User
24	raihan2	raihan@gmail.com		edit	Remove User
29	suvo1	suvo1@gmail.com		edit	Remove User

19. Edit User Information

Artemis Shoes

Cart

Profile

Logout

Admin Actions

Welcome aboard, raiyan

Edit User Detail

Set Username

Set Email

Set Admin

☐




Update

Copyright © Artemis Shoes

20. Updated Information

ID	Username	Email	Staff Status	Profile	Remove user
1	raiyan	raiyanrahman78@email.com	Employee	edit	Remove User
17	raiyanr	raiyan123456@email.com		edit	Remove User
20	sumit1	sumit_saha@gmail.com		edit	Remove User
23	ariful			edit	Remove User
24	raiyan2	raiyan@gmail.com		edit	Remove User
29	suvo12	suvo1@gmail.com	Employee	edit	Remove User

21. Remove User

Artemis Shoes    Admin Actions ▼ Welcome aboard, raiyan					
ID	Username	Email	Staff Status	Profile	Remove user
1	raiyan	raiyanrahman78@email.com	Employee	edit	Remove User
17	raiyanr	raiyan123456@email.com		edit	Remove User
20	sumit1	sumit_saha@gmail.com		edit	Remove User
23	ariful			edit	Remove User
24	raiyan2	raiyan@gmail.com		edit	Remove User
29	suvo12	suvo1@gmail.com	Employee	edit	Remove User

21. Admin Order List: Here, the admin can see the orders every user made and check the delivery and paid details.

Artemis Shoes

Cart

Profile

Logout

Admin Actions

Welcome aboard, raiyan

ID	User	Created At	Total Price	Paid	Delivered	Set Delivered	Set Paid
109	suvo12	2022-04-18T00:59:11.307523	₹ 716.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
108	raiyan	2022-04-18T00:13:22.726357	₹ 1589.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
107		2022-04-17T20:30:03.922677	₹ 739.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
106		2022-04-17T20:09:13.025087	₹ 1274.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
105	raiyan	2022-04-17T20:01:06.148438	₹ 739.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
104		2022-04-17T19:33:57.826830	₹ 482.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
103	raiyan	2022-04-16T22:21:40.085983	₹ 232.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
102	raiyan	2022-04-16T21:31:59.810970	₹ 905.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
101	raiyan	2022-04-16T21:03:08.366734	₹ 905.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
100	raiyan	2022-04-16T20:40:35.042290	₹ 370.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
99	raiyan	2022-04-16T20:05:58.521790	₹ 370.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
98		2022-04-15T22:18:54.799669	₹ 1251.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
95	raiyan	2022-04-14T12:09:28.644865	₹ 739.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>
94	raiyan	2022-04-13T16:59:54.234692	₹ 370.00	✓	✓	<div>Delivered?</div>	<div>Paid?</div>

22. Admin can Add new Product

Artemis Shoes [Cart](#) [Profile](#) [Logout](#) Admin Actions Welcome aboard, raiyan

Edit Product

Name
Nike Air Zoom Pegasus 39

Image
/images/b5d338dd-58b5-4134-8951-692c89477116.webp
Choose File No file chosen

Brand
Nike

Description
Men's Road Running Shoes

Category
Runner Shoe

Price
145.00

Stock
3

Update

Artemis Shoes [Cart](#) [Profile](#) [Logout](#) Admin Actions Welcome aboard, raiyan

[Add Product](#)

ID	Name	Brand	Rating	Price	Edit	Delete
1	Nike Air Max 90 SE	Nike		₹ 500.00	edit	Remove Product
2	Nike Air Force 1 '07 '	Nike	4.40	₹ 345.00	edit	Remove Product
3	Nike Air Max 270	Nike	5.00	₹ 170.00	edit	Remove Product
4	Nike Zoom X	Nike		₹ 499.00	edit	Remove Product
5	Adidas Yeezy Boost 350 V2 Bred'	Adidas	2.00	₹ 345.45	edit	Remove Product
14	Air Jordan 1	Nike	0.00	₹ 225.00	edit	Remove Product
30	Kyrie Infinity	Nike	0.00	₹ 170.00	edit	Remove Product
31	Nike Air Max Bella TR 5	Nike	0.00	₹ 170.00	edit	Remove Product
32	Nike React Infinity Run Flyknit 3	Nike	0.00	₹ 190.00	edit	Remove Product
33	Nike Air Zoom Pegasus 39	Nike	0.00	₹ 145.00	edit	Remove Product

CONCLUSION

In conclusion, we will be delivering the best shoes at minimum cost using emerging technology in this project. Our goals are to build a user friendly website and make the users comfortable with it.

GITHUB LINK

<https://github.com/Raiyan78/Artemis-Shoes>