



DS Project Phase (1)



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➤ Introduction:

The designed distributed marketplace system is a website called “The Outlet”. The website provides common E-commerce functionalities such as the following :

- ➔ Browsing online for products according to categories and searching for items
- ➔ Easy Login / Registration properties on the website
- ➔ Adding / Editing cart items, checking out and purchasing
- ➔ Easy checkout with multiple payment options (Credit card or using your online wallet)
- ➔ Displaying items to sell and managing inventory of items
- ➔ Depositing cash into online wallet
- ➔ Viewing profile information
- ➔ Viewing Purchases History

The website has Distributed database where the tables are partitioned

➤ Target Beneficiaries of the project:

Online Shopping has significantly increased the past few years, especially with COVID-19 rising. It provides a safer, much faster, and more organized shopping experience.

Moreover, clients can purchase anytime of the day and from anywhere.

It's also beneficial to stores' owners as it provides more reach to much more clients.

Therefore, increasing the stores' sales. Also, it means low operational expenses, better nature of administrations and no need of physical organization set-ups.

For Startup stores, it's found to be easier to construct an online store and start selling right away as it decreases initial capital investment, expenditure and resources needed.

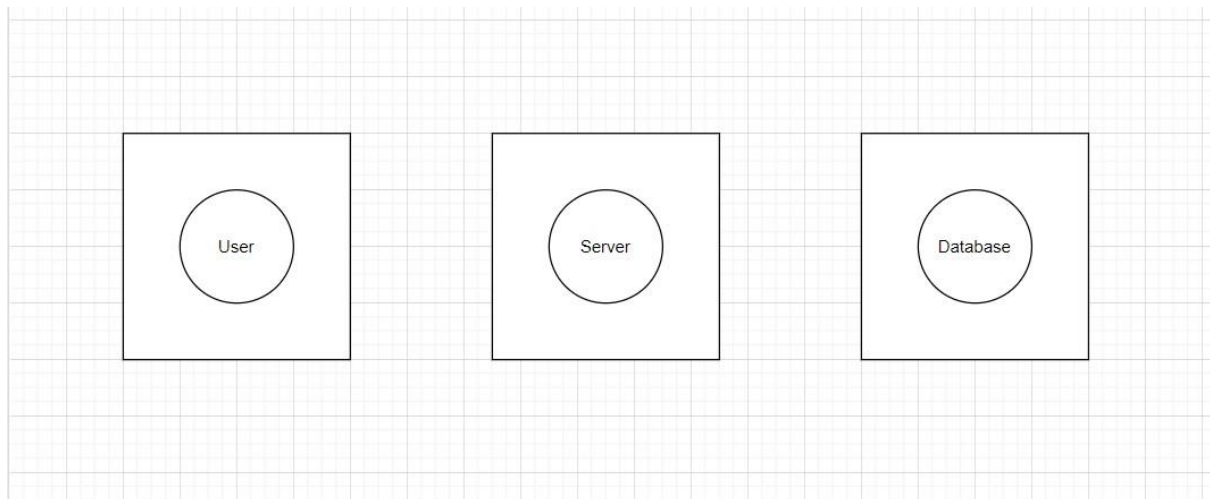
In conclusion, Online shopping is seen to be the future for multiple reasons, with a lot of people in benefit from it.

➤ Adopted Programming Language:

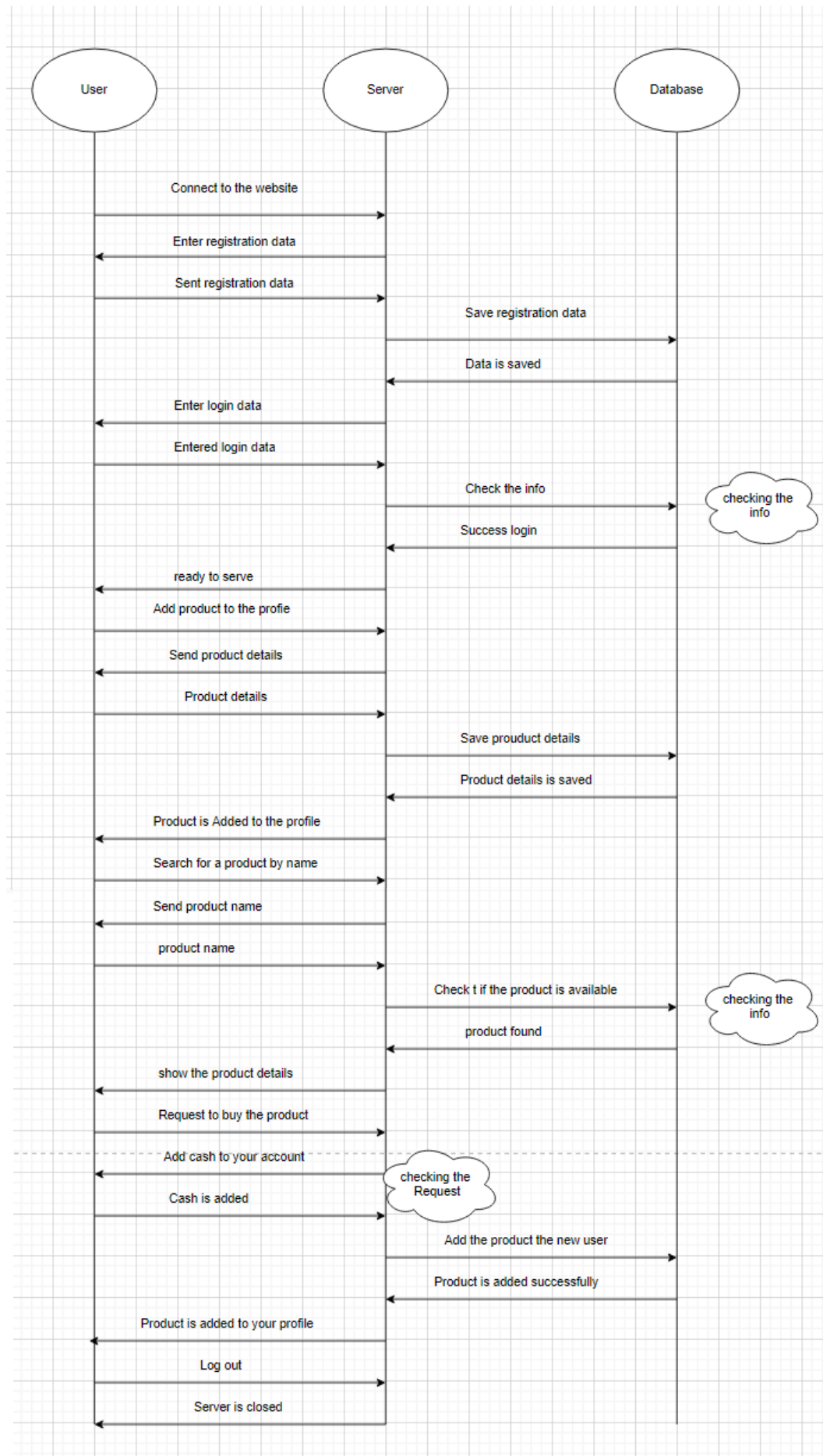
- ➔ HTML
- ➔ CSS
- ➔ PHP
- ➔ Laravel

System Architecture:

- ➔ We use a 3-tier system in our project, and they are: User - Server - Database
 - The first tier is the user who requests services from the server
 - The second is the server who check the validation of the user's request
 - The final tier is distributed Database stores all the data of user's info and product info

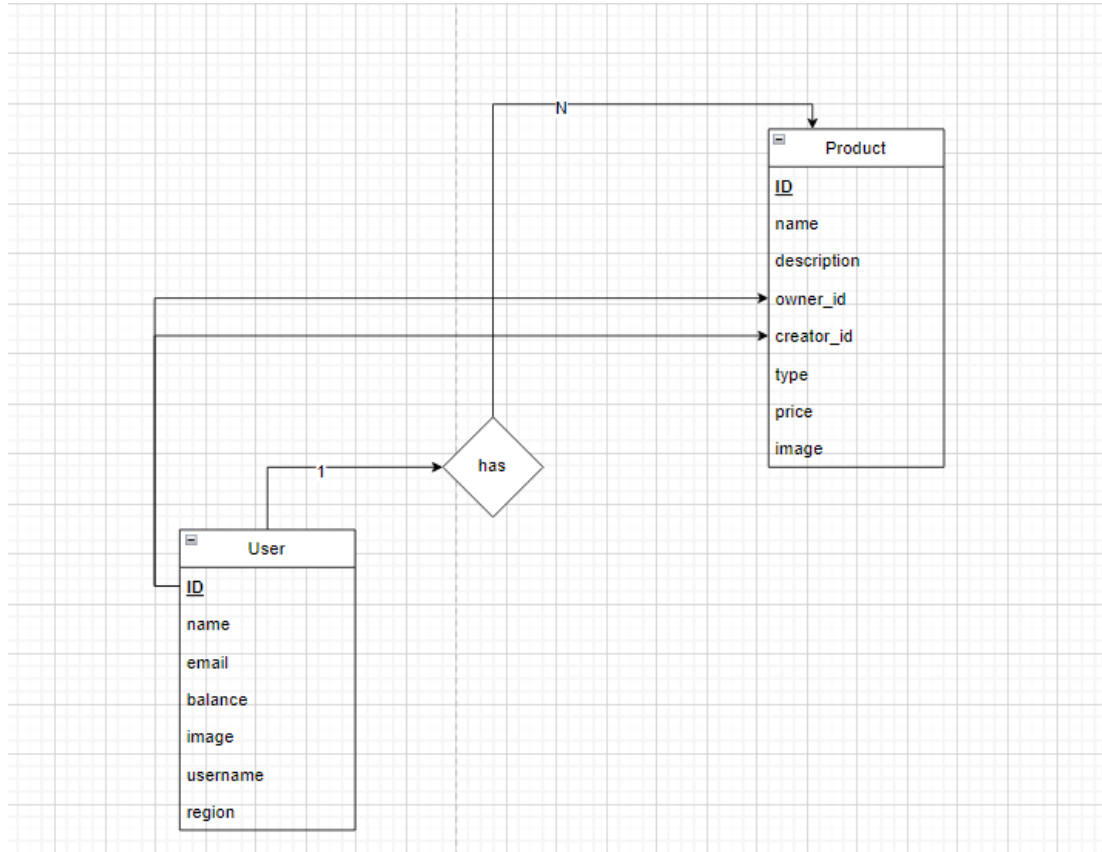


➤ Application-Level Protocol:

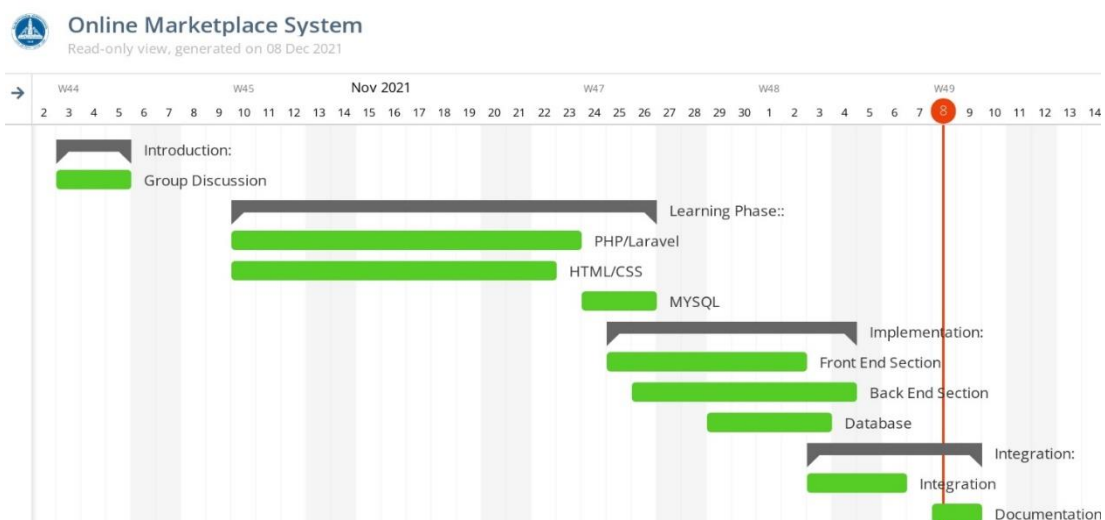


➤ Distributed Database Design:

- ➔ One user has many products
- ➔ Many products belong to one user
- ➔ creator_id and owner_id in product table reference to id in user table

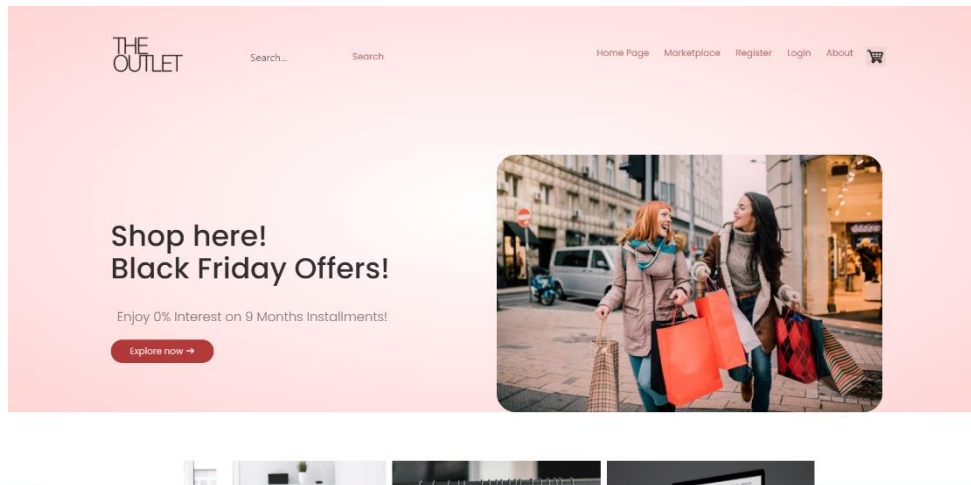


➤ Time Plan:

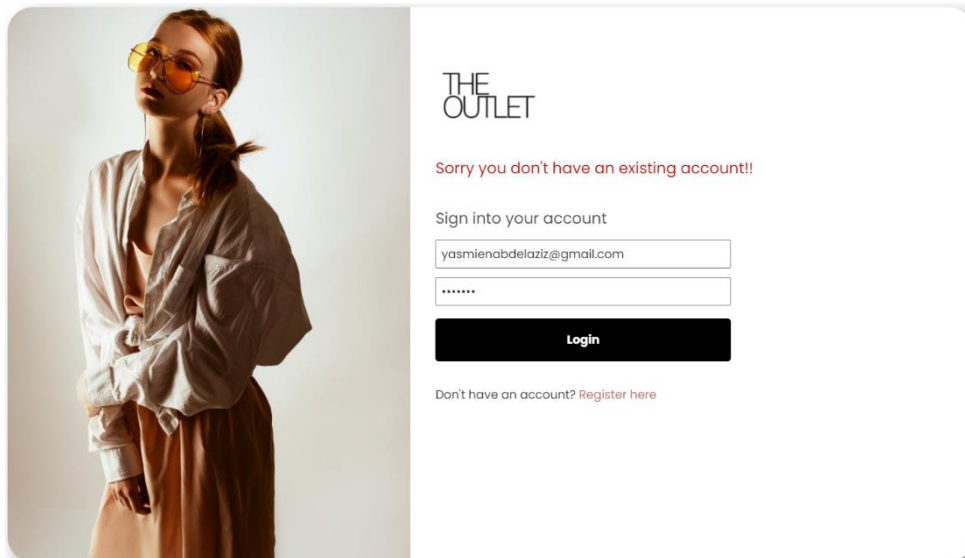


➤ Testing:

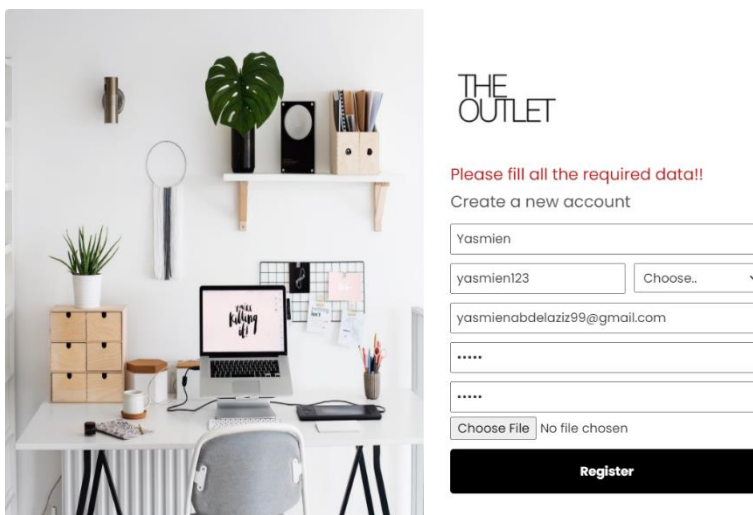
➔ How the main page appears to the users that don't have an account:




➔ When someone tries to login without having an account:



➔ When he tries to create an account and forgot to insert some needed data:



➔ If the user entered unmatched passwords:




THE OUTLET

You entered unmatched passwords!!

Create a new account

➔ When the user enters a wrong password:




THE OUTLET

You entered a wrong password!!

Sign into your account


Don't have an account? [Register here](#)

➔ How the main page appears to the users that are having an account:



THE OUTLET

Search... Search

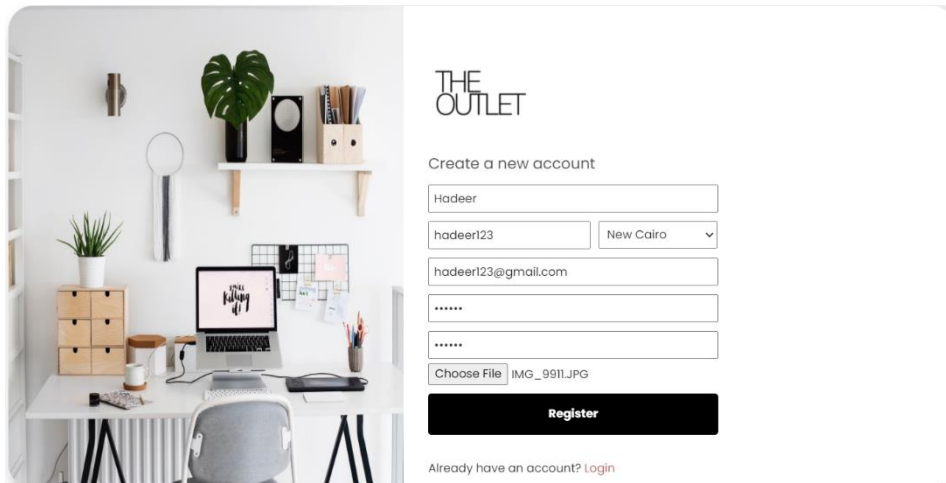
Home Page Marketplace Profile Logout About 

Shop here!
Black Friday Offers!

Enjoy 0% Interest on 9 Months Installments!

➔ Creating a new account:

- Registration:



THE OUTLET

Create a new account

Hadeer

hadeer123 New Cairo

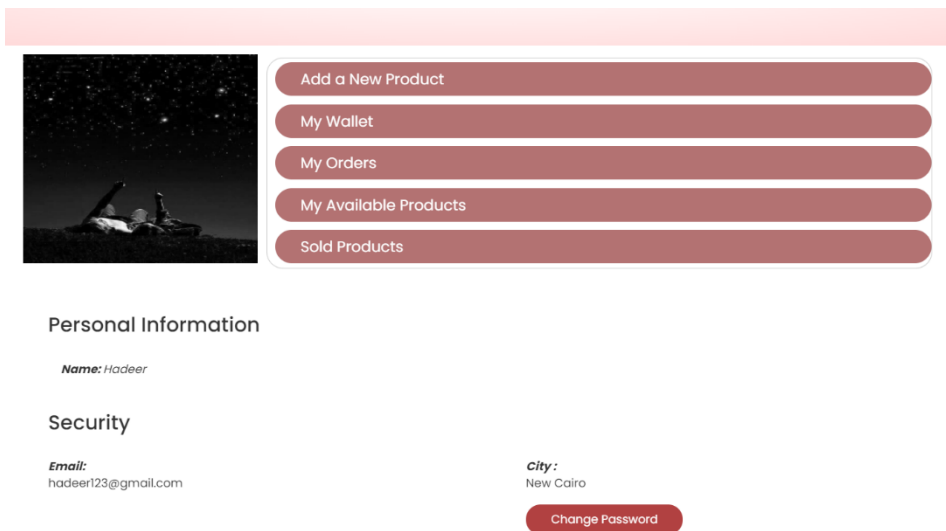
hadeer123@gmail.com


Choose File IMG_9911.JPG

Register

Already have an account? [Login](#)

-Profile of The New User:





- Add a New Product
- My Wallet
- My Orders
- My Available Products
- Sold Products

Personal Information

Name: Hadeer

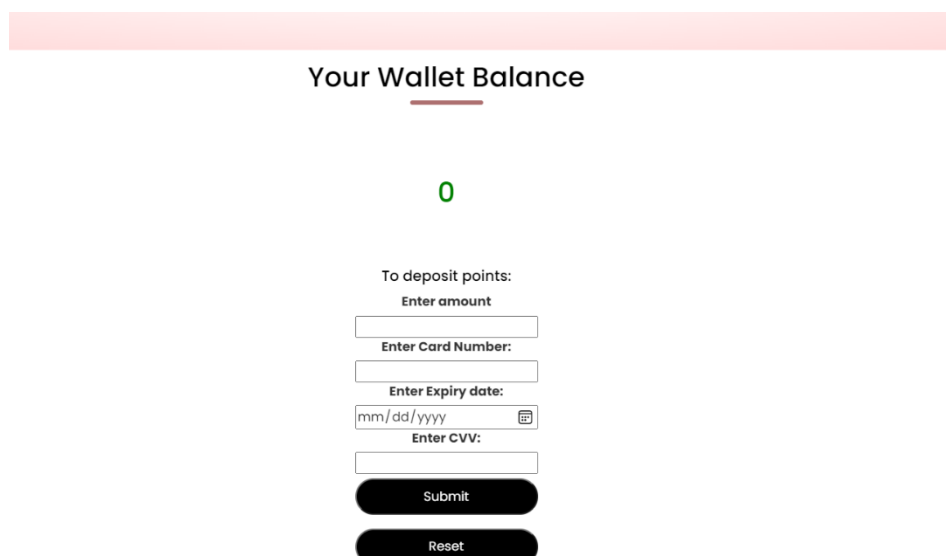
Security

Email: hadeer123@gmail.com

City: New Cairo

[Change Password](#)

-Wallet of the new user:



Your Wallet Balance

0

To deposit points:

Enter amount

Enter Card Number:

Enter Expiry date:

mm/dd/yyyy

Enter CVV:

Submit

Reset

- Orders of the new user:

Order History

Your Purchases

See how your orders are managed and check the latest status of your order

No orders made yet

-Available items from the new user's market:

My Available Products

No Products available yet

→ Creating a new post:

Add a new post

Product Name

Mi Band 5

Product Description

Paragraph

B *I* @ :: := “

Large 1.1" dynamic color-display

Everything on one screen

Approximately 20% further increase in display area* makes incoming calls, messages and alerts easier to see and ushers in a new era of dynamic dials.

Price

575

Brand

Xiaomi

Product Image

Choose File mi.png

Create Post

-Product details page:



NEW

Mi Band 5

Large 1.1" dynamic color-display Everything on one screen Approximately 20% further increase in display area* makes incoming calls, messages and alerts easier to see and ushers in a new era of dynamic dials.

LE 575

Availability: In Stock

Condition: New

Brand: Xiaomi

1

Add to cart


-My Available products after adding one product:


My Available Products




→ If the user wants to change the password he selects change password button:

Change password







save

-After changing the password this window appears:

Your password has changed.

[Sign In Here](#)

➔ Searching for a product:

- Searching for Mi band:

mi band|

Search

Results of your search

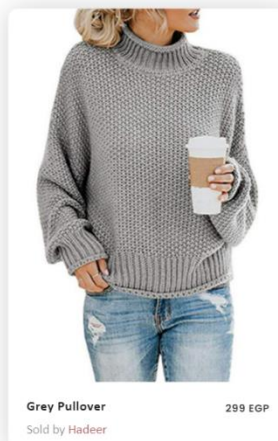


-Searching for Grey Pullover:

Grey Pullover|

Search

Results of your search




➤ End-User Guide:

➔ The User opens the website

➔ This is the home page:

THE OUTLET


Search... Search


Home Page Marketplace Register Login Profile Logout About 

**Shop here!
Black Friday Offers!**


Enjoy 0% Interest on 9 Months Installments!

[Explore now →](#)






Home&Office




Fashion




Electronic Devices


Featured Products




Mi band 5
★★★★☆
Price: 675 EGP



Navy Green Jacket
★★★★☆
Price: 550 EGP




Smart TV
★★★★★
Price: 7000 EGP




Black Rotating Chair
★★★★★
Price: 800 EGP


Best Sellers




Pink Backpack
★★★★★
Price: 1800 EGP




Black Rotating Chair
★★★★★
Price: 800 EGP



Black Coffee Machine
★★★★☆
Price: 499 EGP



Flash Drive
★★★★☆
Price: 150 EGP

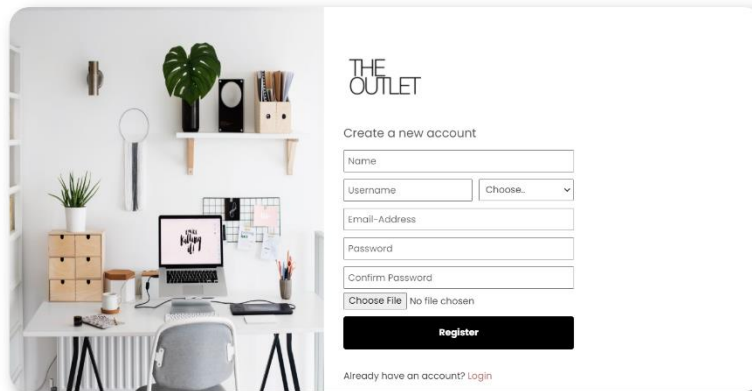


Exclusive on The Outlet

Mi band 5

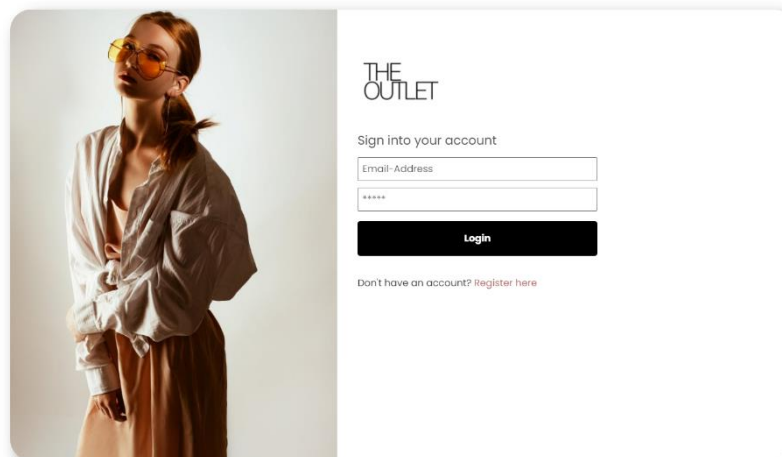
Large 1.1" dynamic color-display
Everything on one screen
Approximately 20% further increase in display area* makes incoming calls.

➔ If you are a new user select Register to create an account in our website:



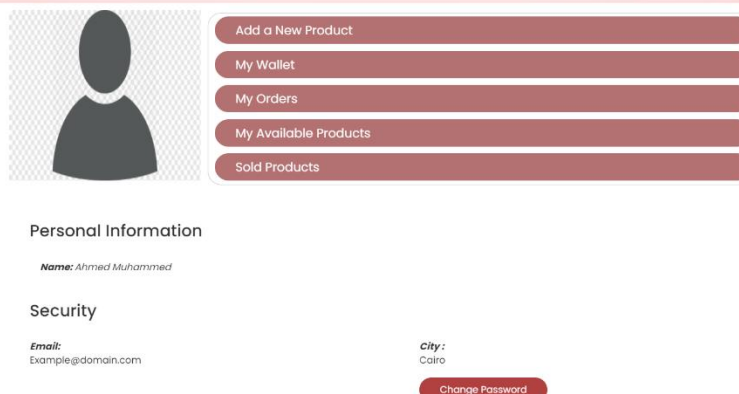
The registration form for 'THE OUTLET' is displayed on a white background. On the left, there is a decorative image of a modern desk with a laptop, a plant, and some books. The form itself is titled 'Create a new account' and includes the following fields: 'Name' (text input), 'Username' (text input) with a 'Choose...' dropdown, 'Email-Address' (text input), 'Password' (text input), 'Confirm Password' (text input), and a 'Choose File' button with 'No file chosen' text. A black 'Register' button is at the bottom. Below the button, it says 'Already have an account? [Login](#)'.

➔ If you are already a user select login:



The login form for 'THE OUTLET' is displayed on a white background. On the left, there is a decorative image of a woman wearing sunglasses and a light-colored shirt. The form is titled 'Sign into your account' and includes the following fields: 'Email-Address' (text input) and a password field (text input with masked characters). A black 'Login' button is at the bottom. Below the button, it says 'Don't have an account? [Register here](#)'.

➔ When you login this will be your profile page:



The user profile page for 'THE OUTLET' is displayed on a white background. At the top left, there is a placeholder for a user profile picture. To the right of the profile picture, there is a list of five red buttons: 'Add a New Product', 'My Wallet', 'My Orders', 'My Available Products', and 'Sold Products'. Below this list, the page is divided into two sections: 'Personal Information' and 'Security'. Under 'Personal Information', it shows 'Name: Ahmed Muhammed'. Under 'Security', it shows 'Email: Example@domain.com' and 'City: Cairo'. At the bottom right, there is a red 'Change Password' button.

➔ If the User wants to change Password he can select change password:

A form titled "Change password" with a user profile icon on the left. On the right, there are two input fields: "Current Password" and "New Password", each with a lock icon. Below these fields is a black "save" button.

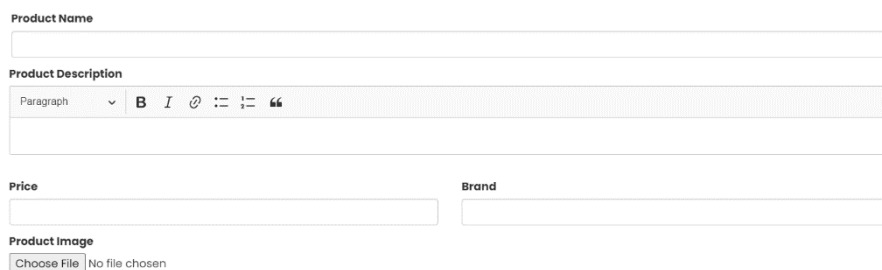
➔ When he clicks save button This window will appear for the user:

Your password has changed.

[Sign In Here](#)

➔ If the user click Add a new product this form will appear for him to fill it:

Add a new post

A form titled "Add a new post". It contains a "Product Name" input field, a "Product Description" field with a rich text editor (including bold, italic, link, and list icons), a "Price" input field, a "Brand" input field, and a "Product Image" section with a "Choose File" button and the text "No file chosen".

➔ The user can check his points by clicking on My Wallet :

Your Wallet Balance

450

To deposit points:

Enter amount

Enter Card Number:

Enter Expiry date:

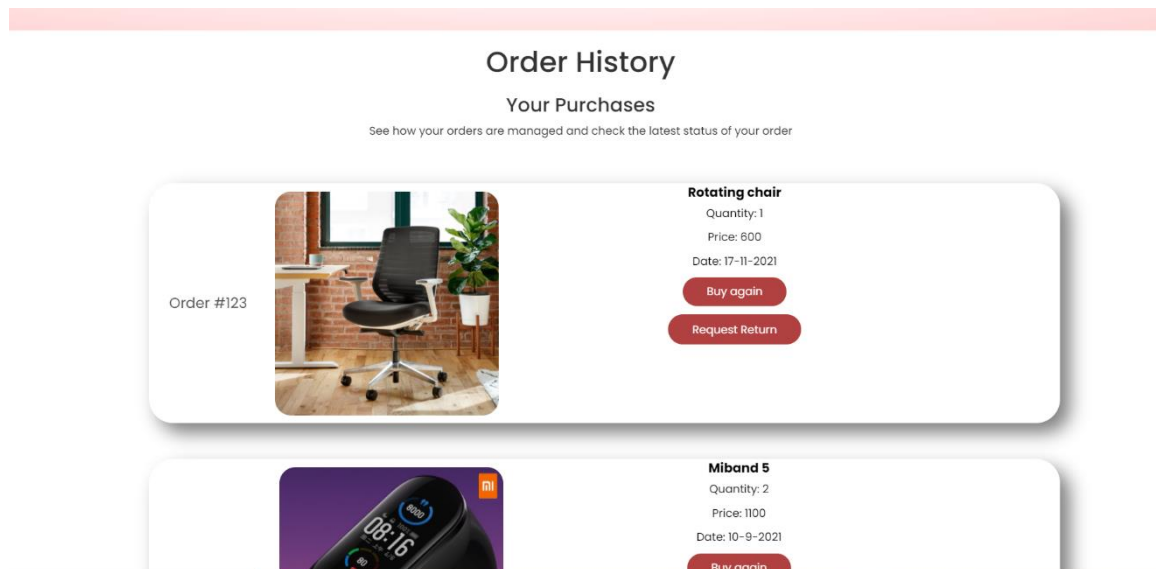
Enter CVV:

Submit

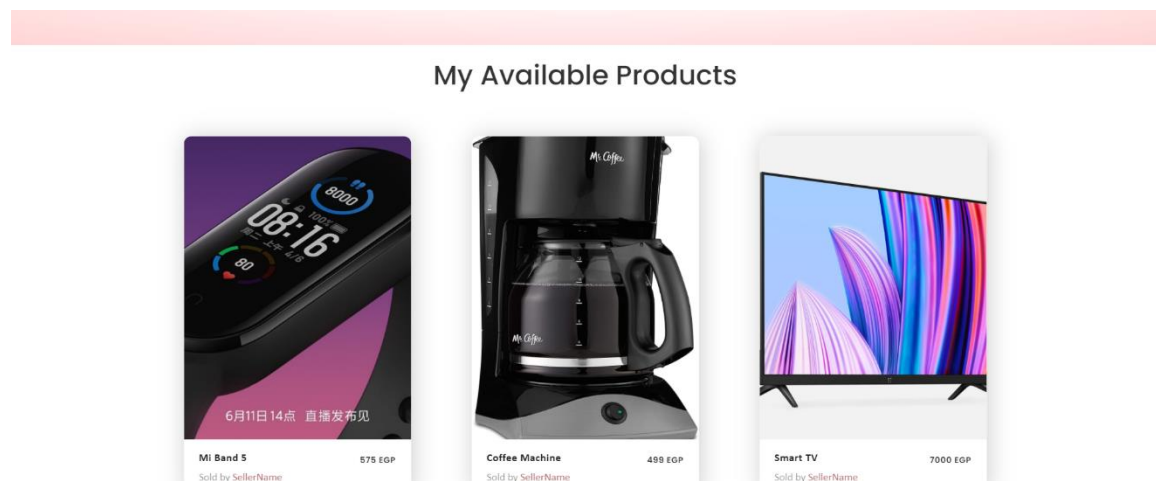
Reset

➔ Also the user can add extra points by entering his credit card information.

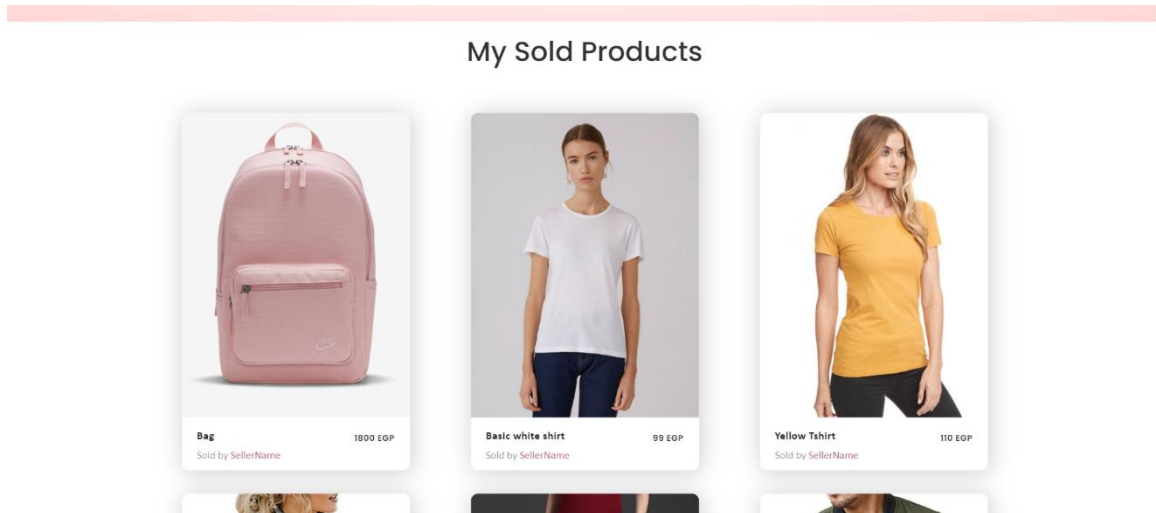
➔ The user can check all his past orders by clicking on My Orders button:



➔ The User can check his products by clicking on My Available products:



➔ The User can check his Sold Products by clicking on Sold products:



➔The User can pay using his wallet points or using the credit card:

[← Continue Shopping](#)

Items: Total:

[Use my wallet](#) [Credit card Payment](#)

➔Checkout using wallet:

CHECKOUT

Fill the required information

👤 First Name

John

👤 Last Name

Smith

Username

@
jsmith

✉ Email

🏠 Full Address

🇬🇧 Country

Choose..

🏙 City

Choose..

Postcode

1234

Payment

Your Current Balance : xxxx

Your Balance after placing the order : xxxx - x

[Place Order](#)

➔ Checkout using Credit card:

CHECKOUT

Fill the required information

👤 First Name

John

👤 Last Name

Smith

Username

@
jsmith

✉ Email

🏠 Full Address

🇬🇧 Country

Choose..

🏙 City




Choose..

Postcode

1234

Payment

Accepted Cards

Credit Card

Direct Debit

PayPal

☐

☐

☒

Name on Card

Full name as displayed on card.

Expiration Year.

CVV.

Credit card Number

Expiration month.

[Place Order](#)

➔ If the user wants to know more about us he can check the About section:

ABOUT US

The Outlet was created for the sole purpose of bringing together new and exclusive products. We endeavour to be constantly engaged, maintaining close ties to designers and trend setters.

OUR PRODUCTS

Our products are meant to complement your Taste. With the help of our fashion experts we manage to bring you exclusive and exciting Clothes directly from the manufacturer.

WHY US?

100% Money Back Guarantee Free World Wide Shipping Exclusive Clothes 24H Customer Support

PRIVACY POLICY

This Privacy Policy describes how your personal information is collected and used, and shared when you visit or make a purchase from The Outlet.

PERSONAL INFORMATION WE COLLECT

When you visit the Site, we automatically collect certain information about your device, including information about your web browser, IP address, time zone, and some of the cookies that are installed on your device. Additionally, as you browse the Site, we collect information about the individual web pages or products that you view, what websites or search terms referred you to the Site, and information about how you interact with the Site. We refer to this automatically-collected information as "Device information".

We collect Device information using the following technologies:

- "Cookies" are data files that are placed on your device or computer and often include an anonymous unique identifier. For more information about cookies, and how to disable cookies, [click here](#).
 - "Log files" track actions occurring on the Site, and collect data including your IP address, browser type, Internet service provider, referring/exit pages, and date/time stamps.
 - "Web beacons", "tags", and "pixels" are electronic files used to record information about how you browse the Site.
- Additionally when you make a purchase or attempt to make a purchase through the Site, we collect certain information from you, including your name, billing address, shipping address, payment information (including credit card numbers), email address, and phone number. We refer to this information as "Order information".

HERE TO HELP

Call us : +1 (747) 848-4885

From 10AM - 5PM (EST TIME)

E-mail us on : contact@THEOUTLET.com

➤ Resources Needed:

➔ Visual Studio Code

➤ Role of Each member:

Student Name:	Work Done:
Ahmed Elsayed	Frontend
Ahmed Khaled	Backend + Documentation
Mariam Muhammed Alaa	Frontend + Documentation
Hagar Waleed Soliman	Backend + Database
Hadeer Ahmed	Backend + Database
Yasmine Abdelaziz	Frontend + Documentation

➤ Appendices:

➤ References:

➔ <https://www.w3schools.com/html/>

➔ <https://www.w3schools.com/css/default.asp>

➔ <https://laracasts.com/series/laravel-6-from-scratch/episodes/58>