UNIVERSITI KUALA LUMPUR KAMPUS KOTA
MALAYSIAN INSTITUTE OF INFORMATION TECHNOLOGY

COURSE DETAILS	
CAMPUS	MALAYSIAN INSTITUTE OF INFORMATION TECHNOLOGY
COURSE NAME	PHP WEB PROGRAMMING
COURSE CODE	ITD 31303
LECTURER	SIR HAZMAN BIN BADRUNSHAM

ASSESSMENT DETAILS	
TITLE/NAME	ASSIGNMENT
WEIGHT	15%
DATE	WEEK 6
COURSE OUTCOME	CLO1: Builds knowledge of the PHP language to create a dynamic web page

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STUDENT ID	[redacted]
CLASS	L03 – B01

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STUDENT ID	[redacted]
CLASS	[redacted]

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INTRODUCTION

For this assignment, we have been assigned to develop a web-based e-commerce platform using PHP and MySQL. The projects aims to create a simple, user-friendly platfrom where administrators can create new products for each category, and customers be able to access the system, can save the products at cart, history of purchases. The project scopes are given as follows;

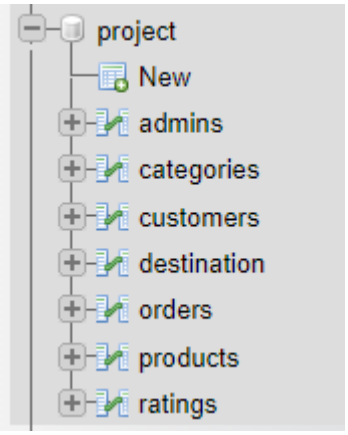
1. Create a database schema using MySQL, including tables for admins, customers, products, and carts. (Depends on your system)
2. Implement a customer registration and login system for both admin and customer.
3. Implement admin be able to create new product items, editable (update, delete) for admin and display at the customer page.
4. Implement admin be able to see records how many sales for today/month.
5. Implement admin to be able to see list of customers.
6. Implement customers can search a product, make purchases for products, choose destinations, payment type and be able to add to cart.
7. Implement customers can edit their profile and see their purchases history.
8. Implement customers can rate the products.
9. Ensure the application is secure by implementing proper input validation and protection against common web vulnerabilities.

We decided to develop a **clothes retail** e-commerce system named **OUR STORE**. Our Store sells clothes and footwears to customers. It is a user-friendly site that is easy to understand from all age leves. We have included bunch of helpful features to ease both customers and admins. Such features are for customers register new account, to find desired products, to add item into cart, to rate the products and see other's rating, to see past purchases, to add and choose among destinations, to edit profile, and much more. While for admins, there would be dashboard for admin to see and monitor the number of data, then to view/add/update/delete products, categories, admins, users. Also to monitor order status and sales made.

OUR STORE is fully built by using HTML, CSS, JS for frontend with backend PHP language. This project can be said the biggest project yet we have created.

DATABASE

Lets first look into the database created for the website



The name of the database is ‘project’, consisting of 9 different tables.

Structures:

Table admins

	#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
☐	1	**admin_id** 🔑	int(11)			No	*None*		AUTO_INCREMENT
☐	2	**email**	varchar(255)	utf8mb4_general_ci		No	*None*		
☐	3	**password**	varchar(255)	utf8mb4_general_ci		No	*None*		
☐	4	**fullname**	varchar(191)	utf8mb4_general_ci		Yes	*NULL*		
☐	5	**created_at**	datetime			No	current_timestamp()		

Table customers

Name	Type	Collation	Attributes	Null	Default	Comments	Extra
cust_id 🔑	int(11)			No	*None*		AUTO_INCREMENT
email	varchar(30)	utf8mb4_general_ci		No	*None*		
password	varchar(30)	utf8mb4_general_ci		No	*None*		
fullname	varchar(191)	utf8mb4_general_ci		No	*None*		
created_at	datetime			No	current_timestamp()		

Table categories

Name	Type	Collation	Attributes	Null	Default	Comments	Extra
category_id	int(11)			No	*None*		AUTO_INCREMENT
name	varchar(191)	utf8mb4_general_ci		No	*None*		
description	text	utf8mb4_general_ci		No	*None*		
created_at	datetime			No	current_timestamp()		

Table orders

Name	Type	Collation	Attributes	Null	Default	Comments	Extra
order_id	int(11)			No	*None*		AUTO_INCREMENT
cust_id	int(11)			No	*None*		
grand_total	float(10,2)			No	*None*		
created_at	datetime			No	current_timestamp()		
status	enum('Pending', 'Completed', 'Cancelled')	utf8_unicode_ci		No	Pending		
product_id	int(11)			Yes	*NULL*		

Table products

Name	Type	Collation	Attributes	Null	Default	Comments	Extra
product_id	int(11)			No	*None*		AUTO_INCREMENT
category_id	int(11)			Yes	*NULL*		
name	varchar(255)	utf8mb4_general_ci		No	*None*		
description	text	utf8mb4_general_ci		Yes	*NULL*		
price	decimal(10,2)			No	*None*		
image	varchar(255)	utf8mb4_general_ci		No	*None*		
created_at	datetime			No	current_timestamp()		

Table destinations

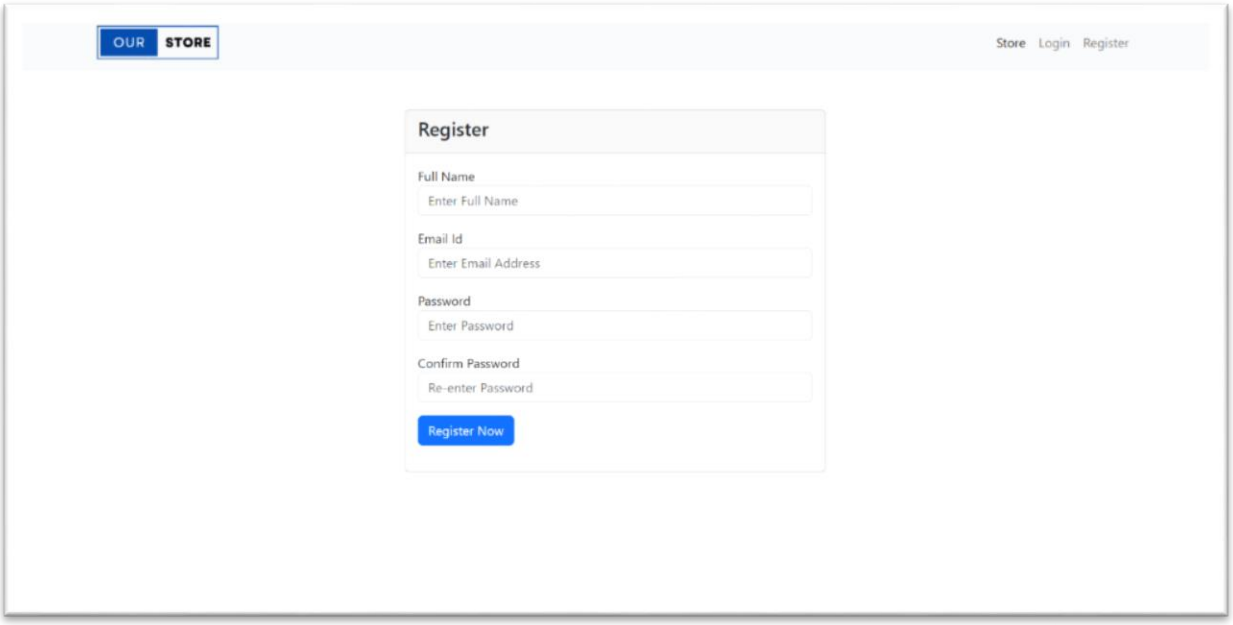
Name	Type	Collation	Attributes	Null	Default	Comments	Extra
destination_id	int(11)			No	*None*		AUTO_INCREMENT
cust_id	int(11)			Yes	*NULL*		
location	varchar(191)	utf8mb4_general_ci		No	*None*		
address	text	utf8mb4_general_ci		No	*None*		

Table ratings

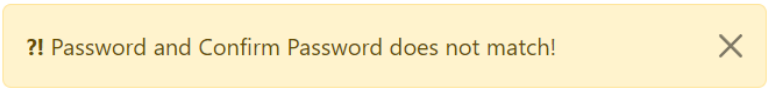
Name	Type	Collation	Attributes	Null	Default	Comments	Extra
rating_id	int(11)			No	*None*		AUTO_INCREMENT
product_id	int(11)			Yes	*NULL*		
cust_id	int(11)			Yes	*NULL*		
rating	int(11)			Yes	*NULL*		
review	text	utf8mb4_general_ci		Yes	*NULL*		
created_at	datetime			Yes	*NULL*		

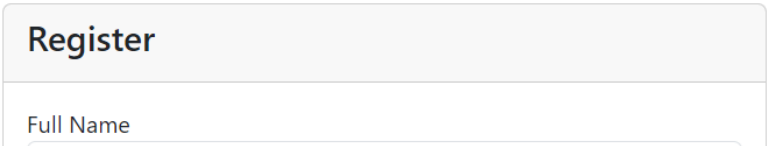
REGISTER AND LOGIN

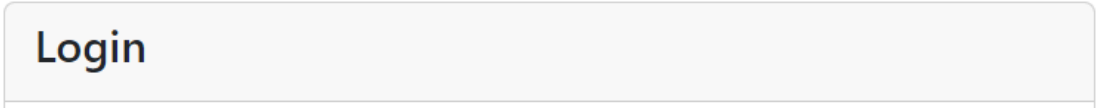
Register page



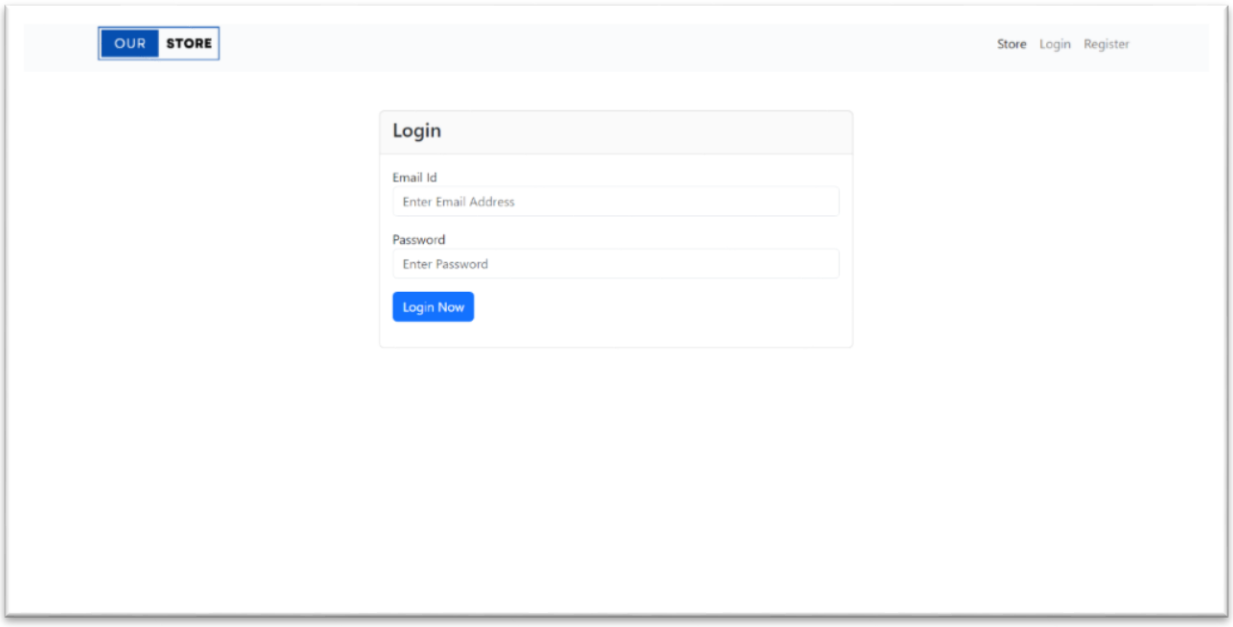
Validation message in register



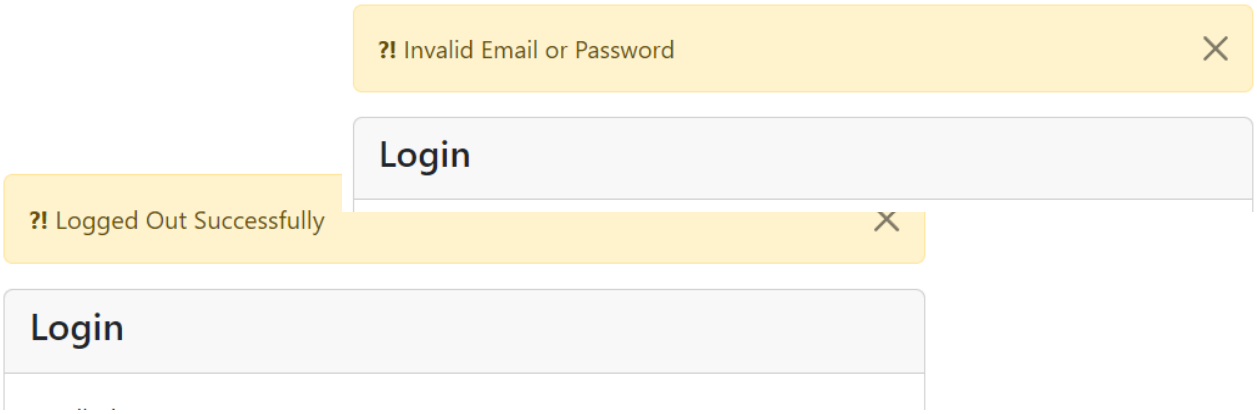




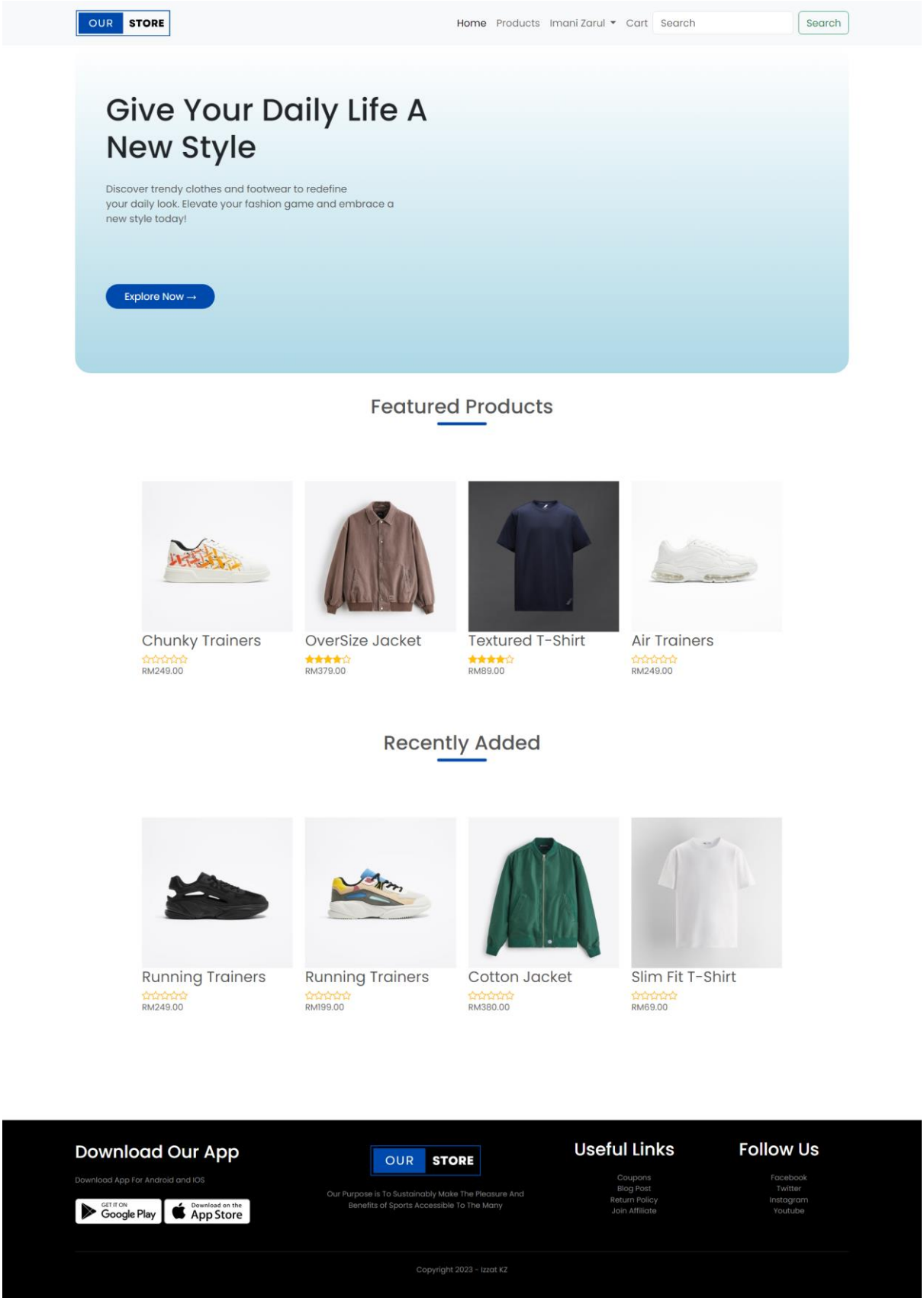
Login page



Validation message in login

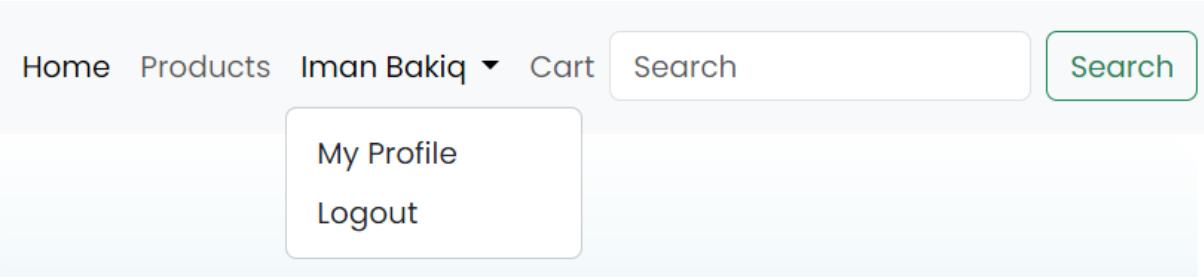


Store page (home.php)



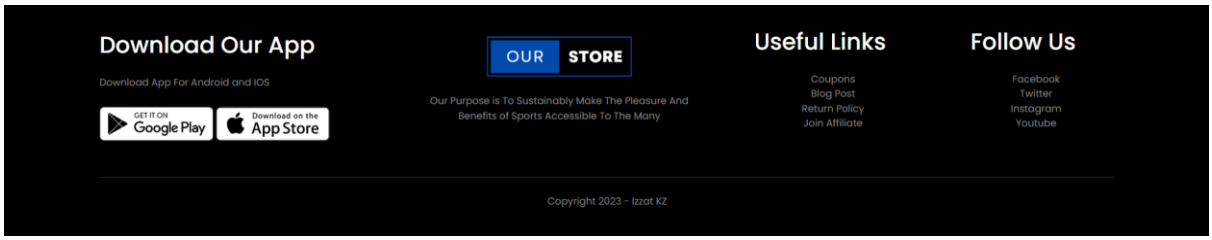
Store page contains welcoming message, featured products (fetched from products table), and recently added (fetched from last added products on products table). The design is simple as to make it easy to understand and to use among different age levels. Button explore now shall redirect customers to products.php

Header/navbar ↓



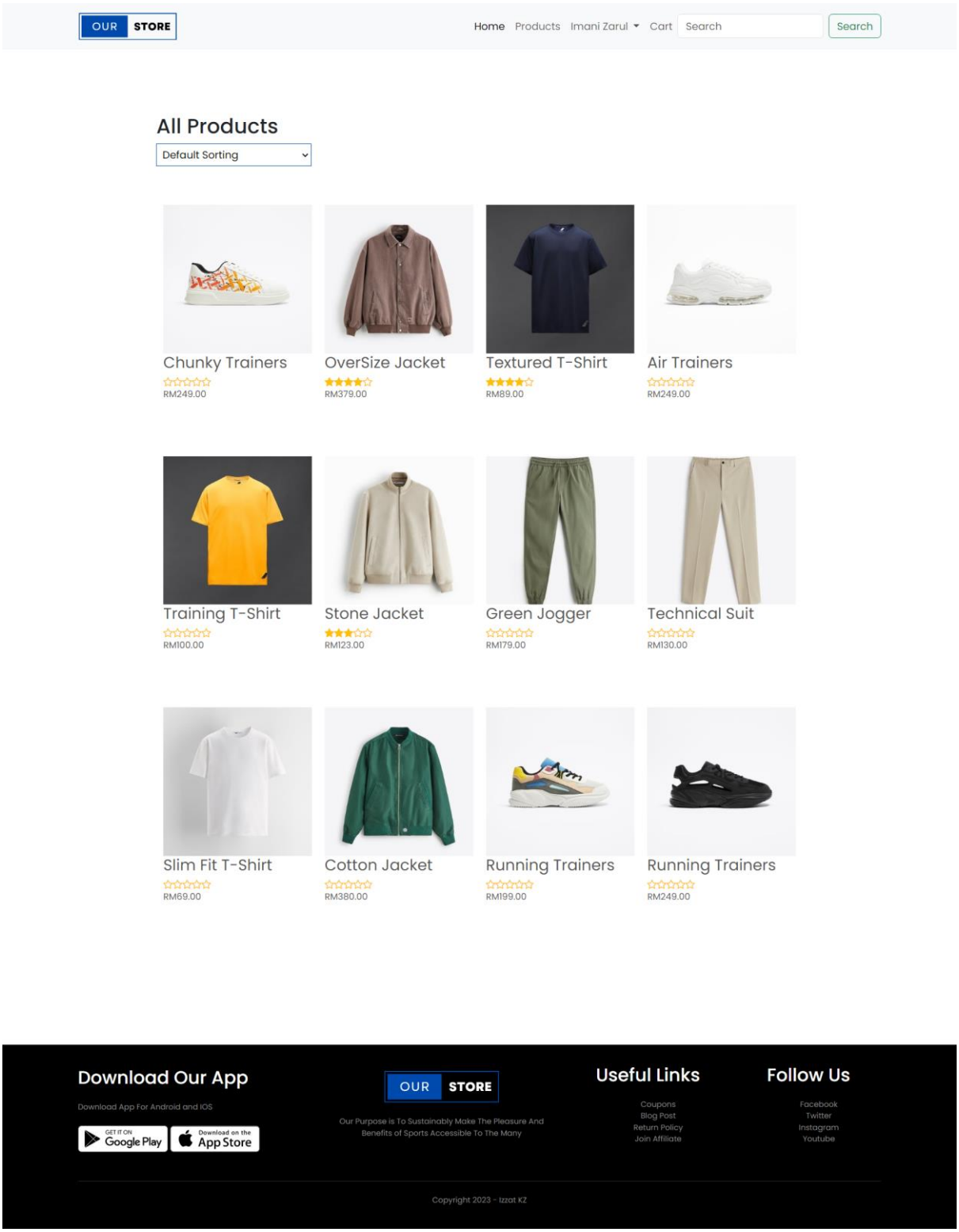
functional navbar with working href link home (to home.php), products (to products.php), profile (profile.php, the name is fetched from current customer's name), logout, and cart (to cart.php).

Footer ↓

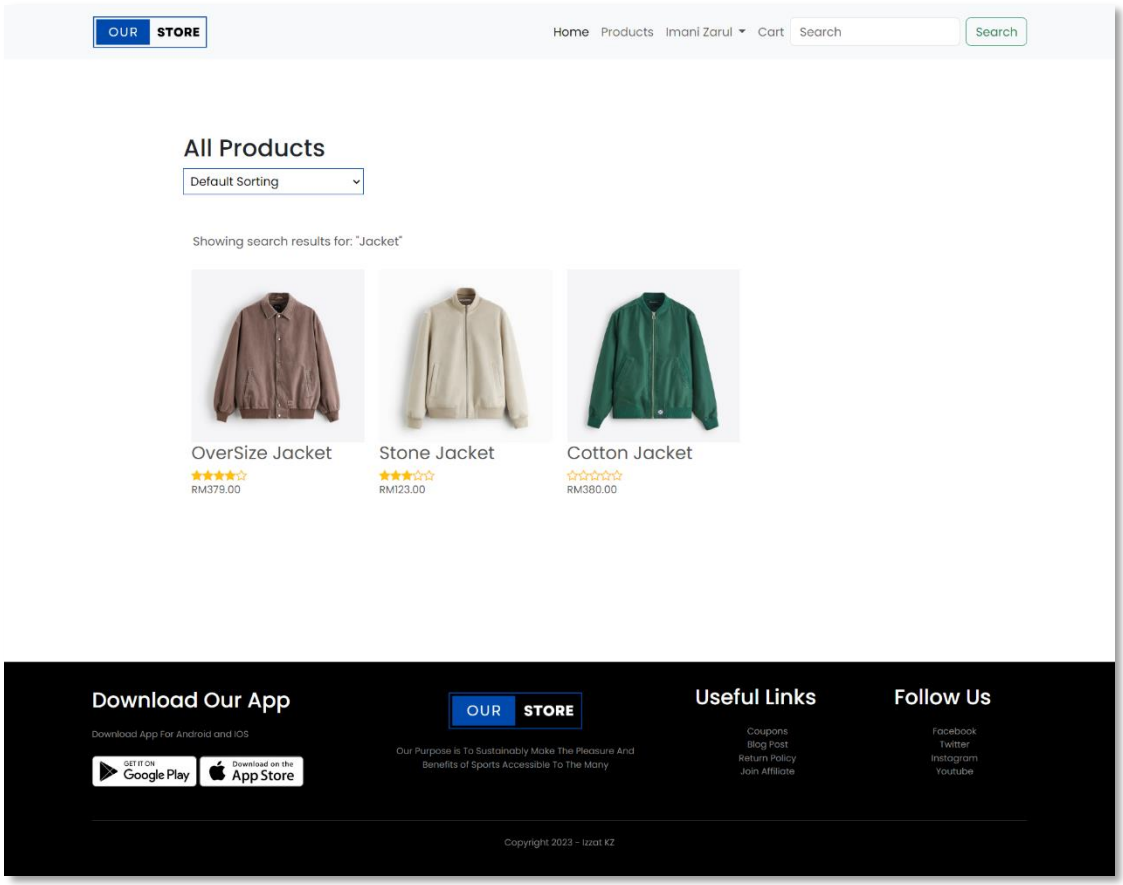


Just a basic footer for average website, we pull this off from google as to we have no idea how to do the footer. Note that none of the elements in the footer is unclickable.

Products page (products.php)



Product page with a working query search bar and sorting list.


OUR STORE
Home
Products
Imani Zarul
Cart
Search
Search
All Products
Default Sorting
Showing search results for: "Jacket"
OverSize Jacket
RM379.00
Stone Jacket
RM123.00
Cotton Jacket
RM380.00
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Download App For Android and IOS
GET IT ON Google Play
Download on the App Store
OUR STORE
Our Purpose is To Sustainably Make The Pleasure And Benefits of Sports Accessible To The Many
Useful Links
Coupons
Blog Post
Return Policy
Join Affiliate
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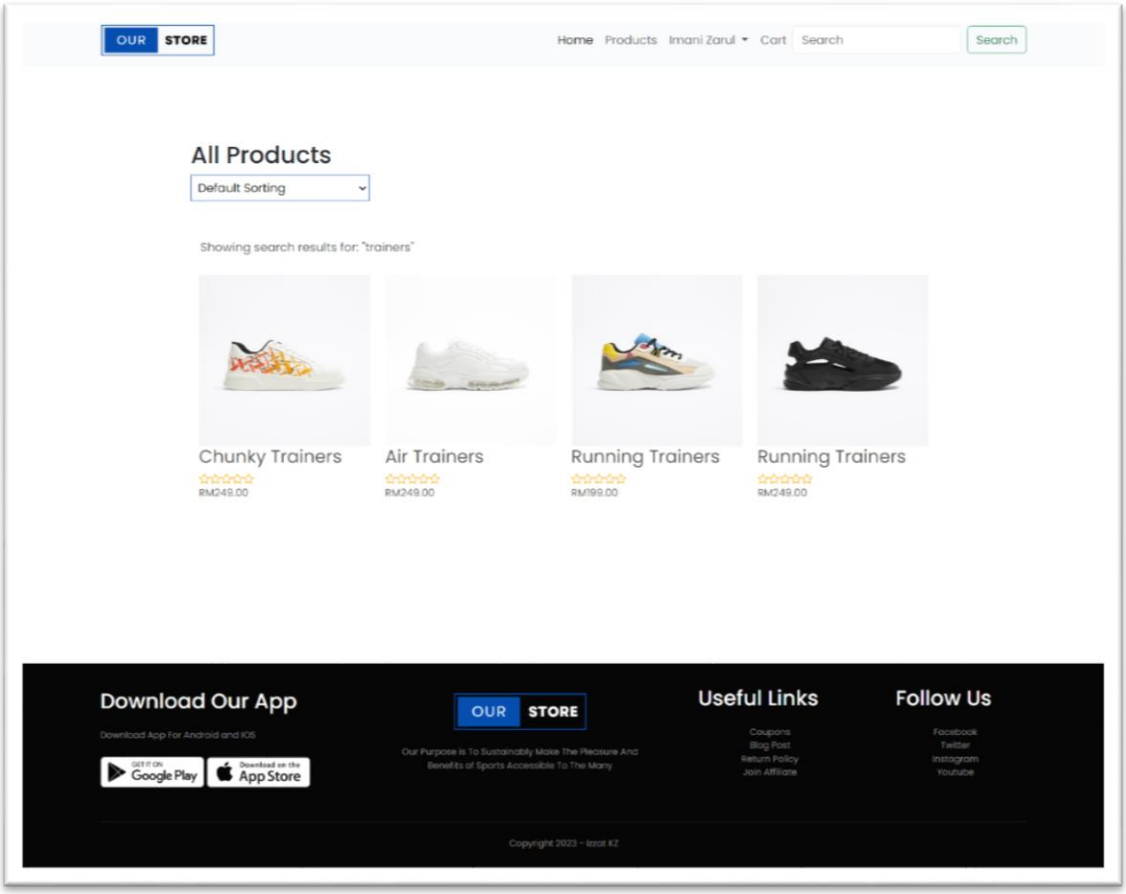
OUR STORE
Home
Products
Imani Zarul
Cart
Search
Search
All Products
Default Sorting
Showing search results for: "trainers"
Chunky Trainers
RM249.00
Air Trainers
RM249.00
Running Trainers
RM199.00
Running Trainers
RM249.00
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Download App For Android and IOS
GET IT ON Google Play
Download on the App Store
OUR STORE
Our Purpose is To Sustainably Make The Pleasure And Benefits of Sports Accessible To The Many
Useful Links
Coupons
Blog Post
Return Policy
Join Affiliate
Follow Us
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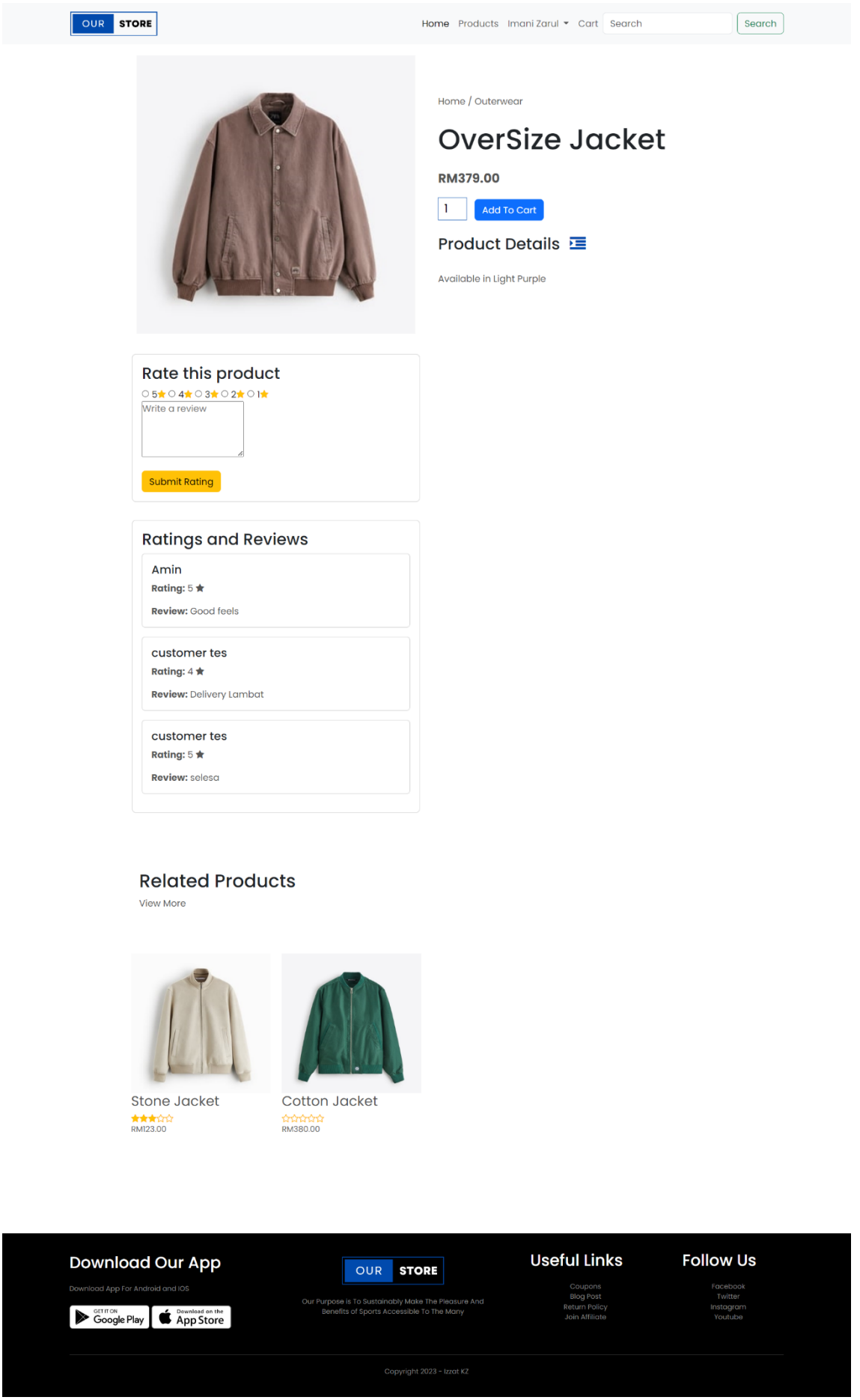
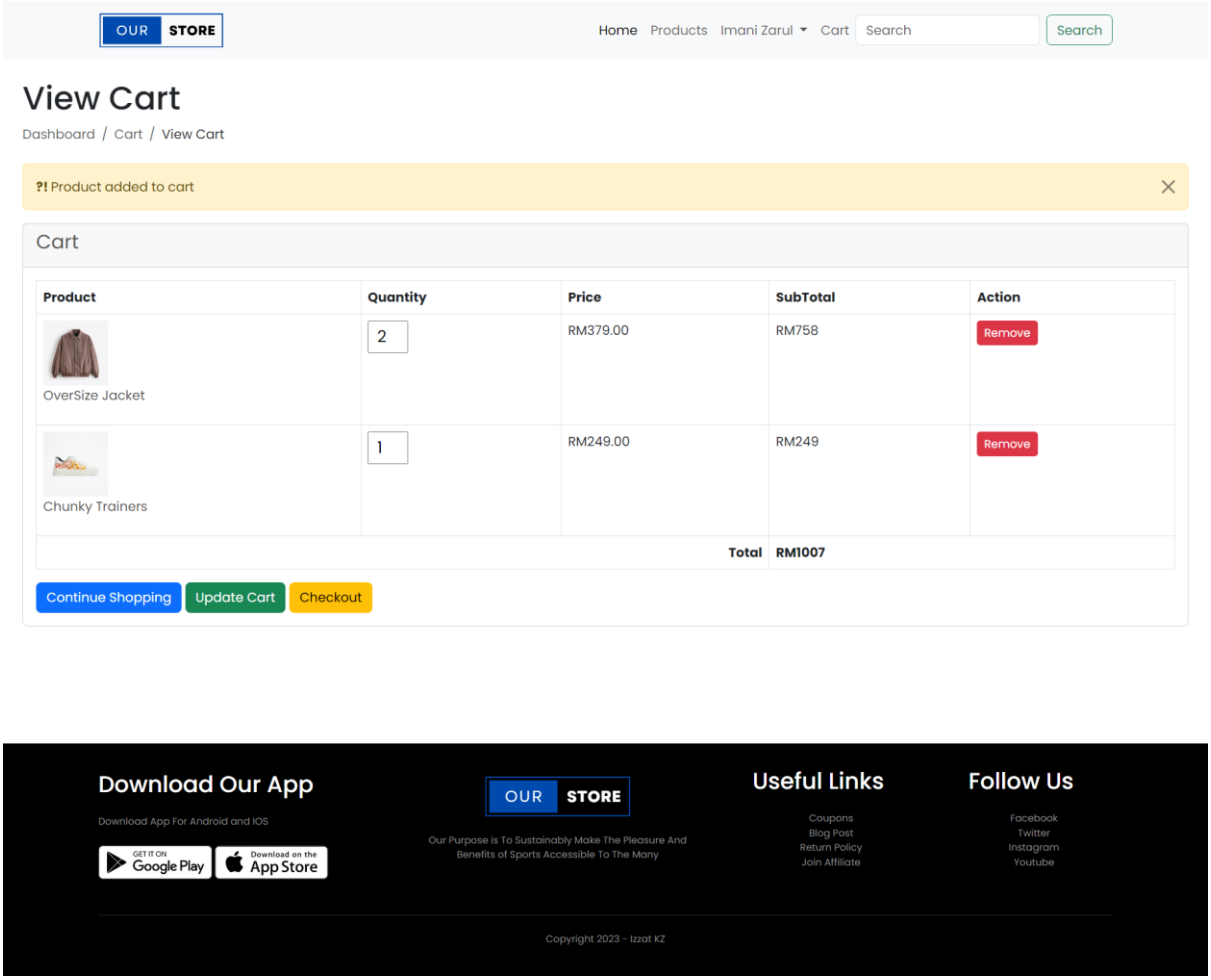
Product Details Page (product-details.php)

With rating and review product field

Related product section are fetched from the same categories



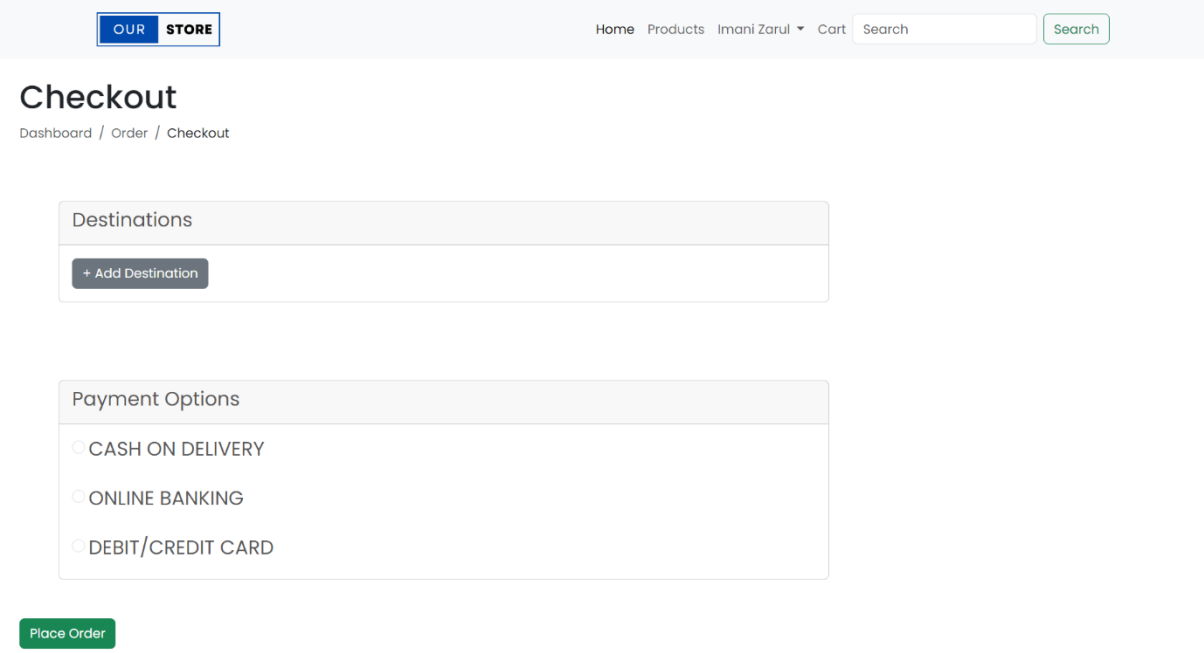
Cart page (cart.php)

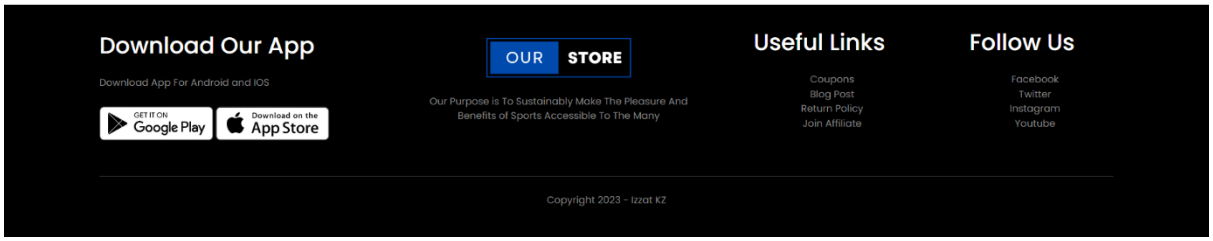


Customers can add desired item into cart and remove the unwanted item. All original price, quantity, subtotal, total price will be shown. CONTINUE SHOPPING will redirect them back to products.php, UPDATE CART is for updating cart if there are any changement in quantity, while CHECKOUT is for checking out.

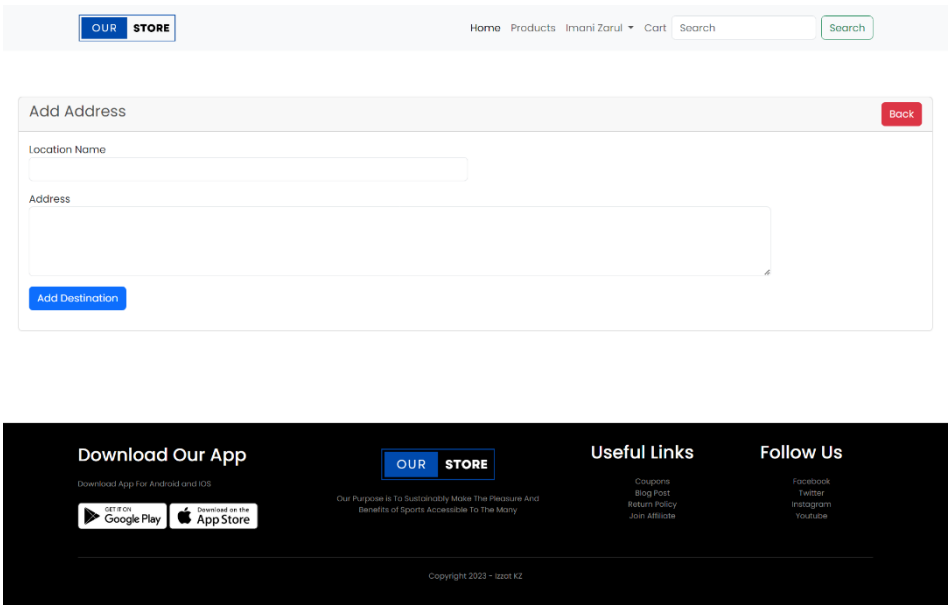
Checkout (checkout.php)

Is for customers to choose destination and payment type. Customer may add their address too.





Added destination would automatically shown into destination option



Checkout

Dashboard / Order / Checkout

?! Destination Added Successfully

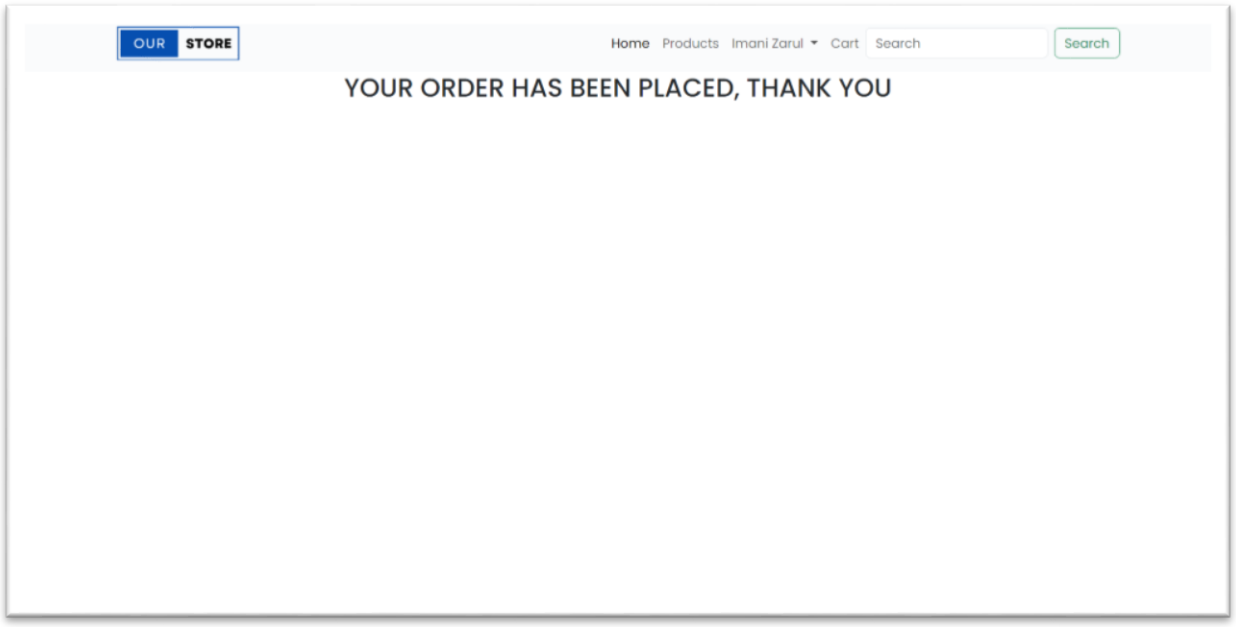
Destinations

Home

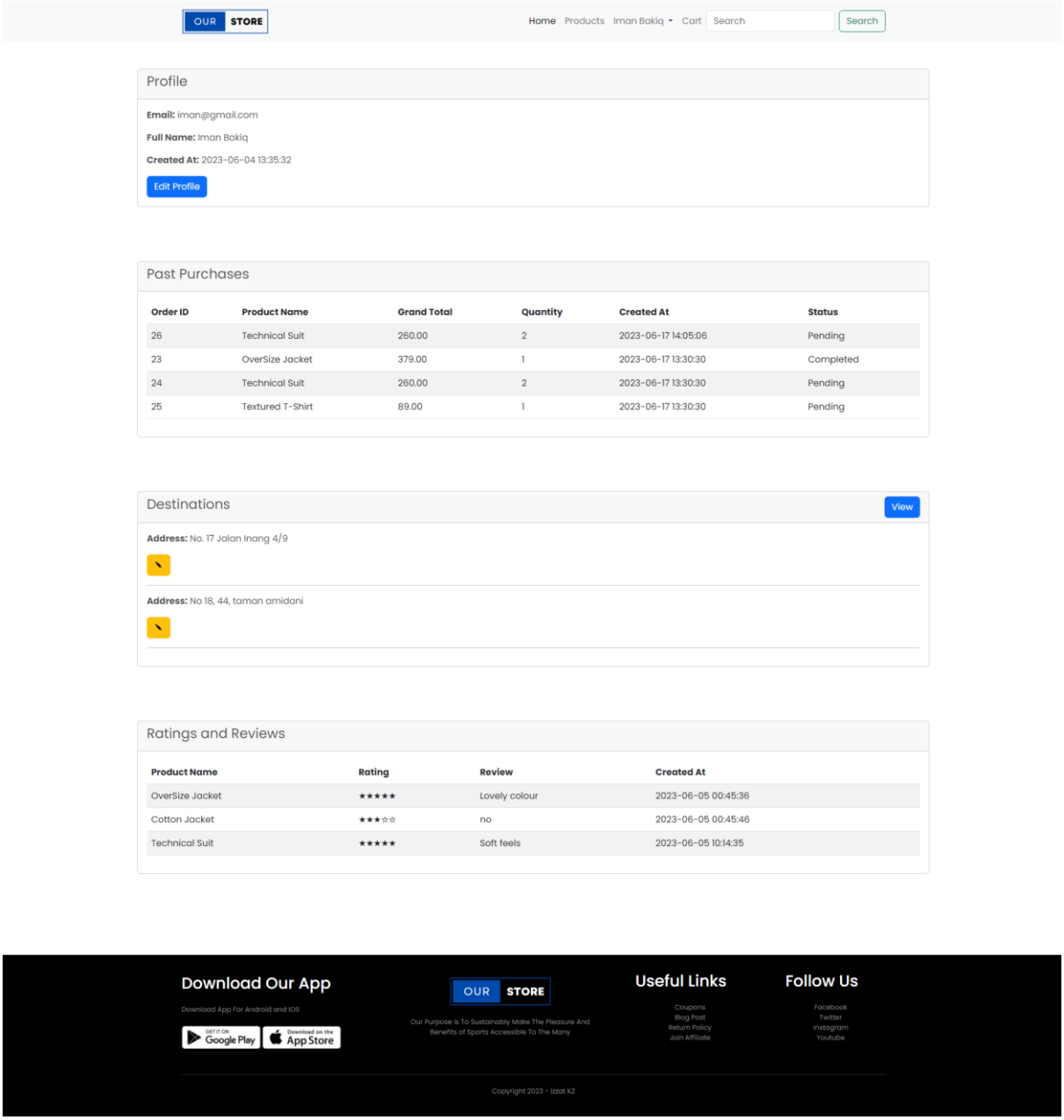
No 17, Jalan Kampung Paya, Belakang Selangor

+ Add Destination

Thank You Page (placed-order.php)

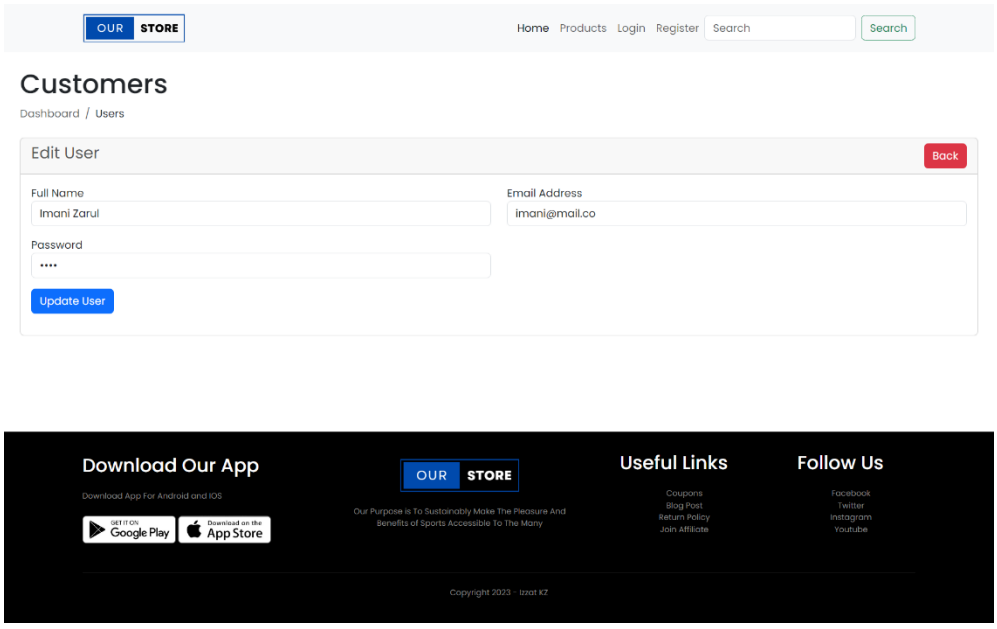


My Profile Page (profile.php)

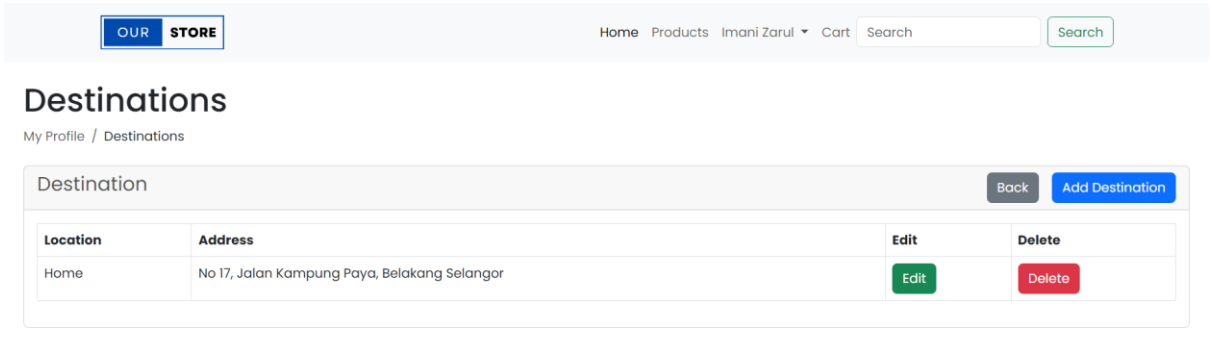


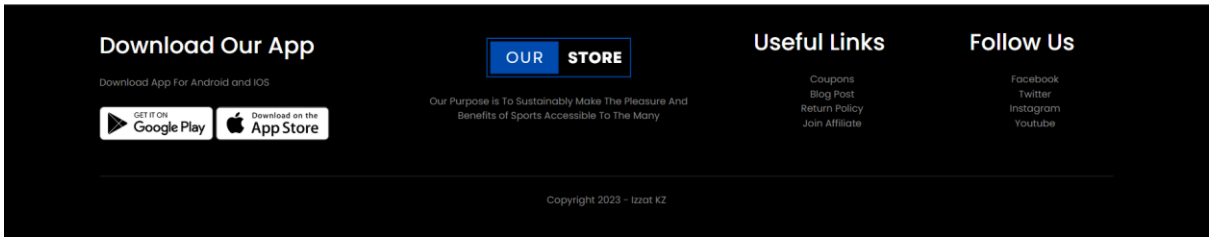
This page allows customers to edit their profile, view past purchases, view and edit their destination, and view ratings made.

Edit Profile (profile-edit.php)

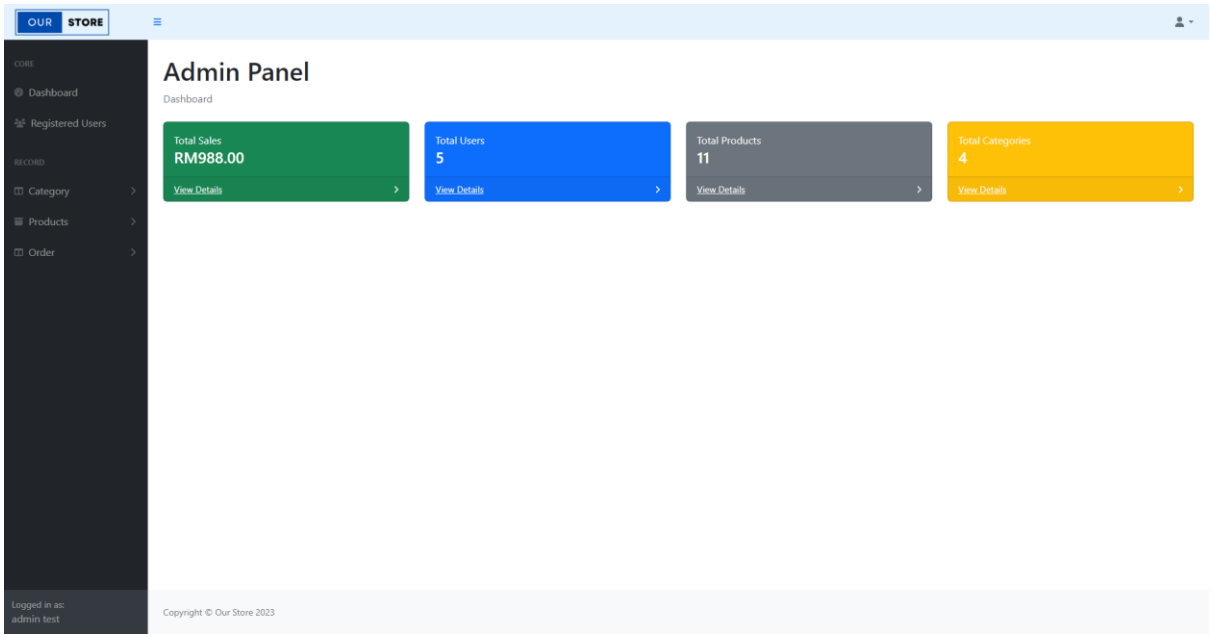


View/Edit/Delete destinations (destinations.php)



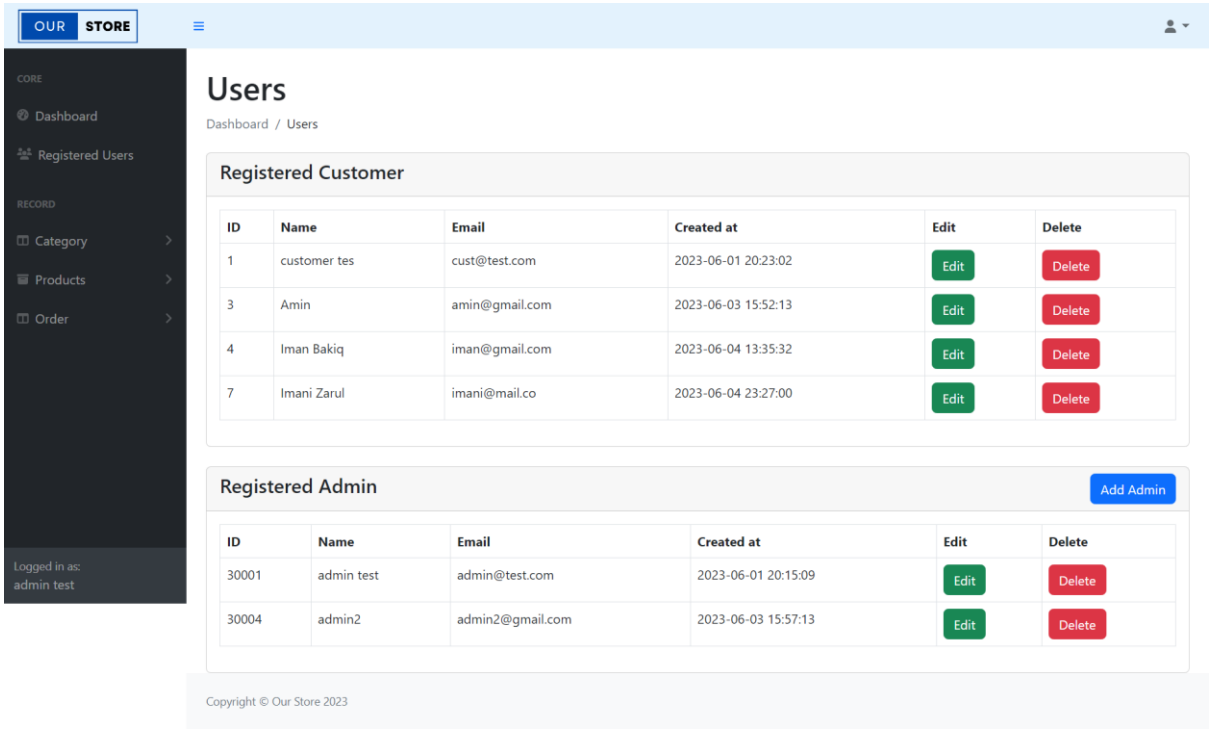


ADMIN PANEL (index.php)



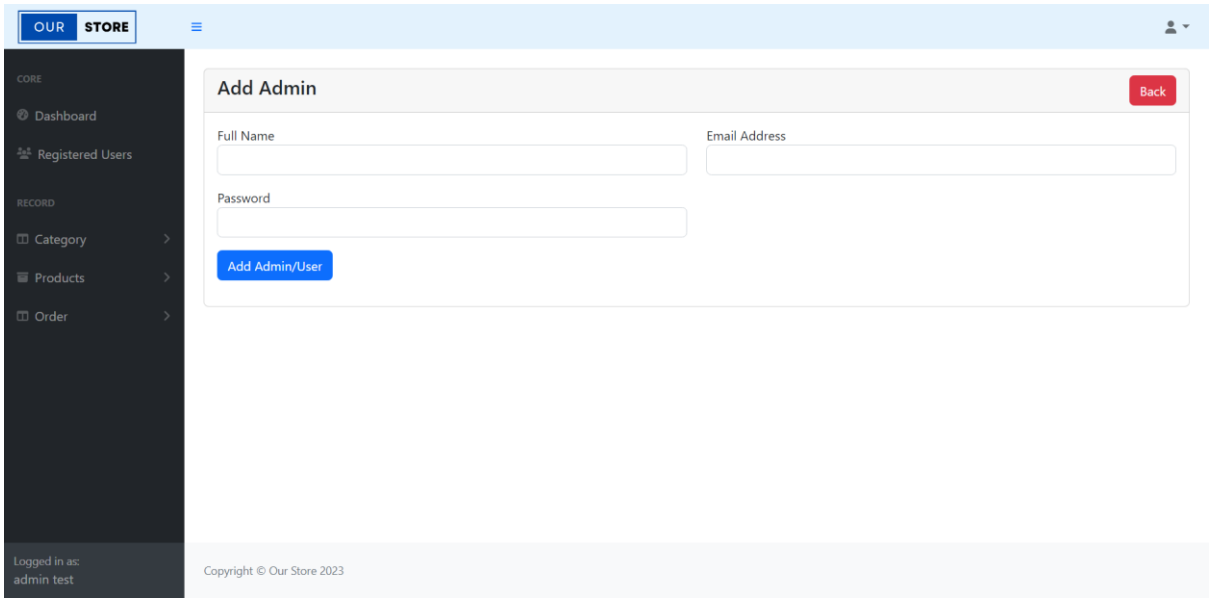
For admins to view and monitor the site.

Monitor Registered User

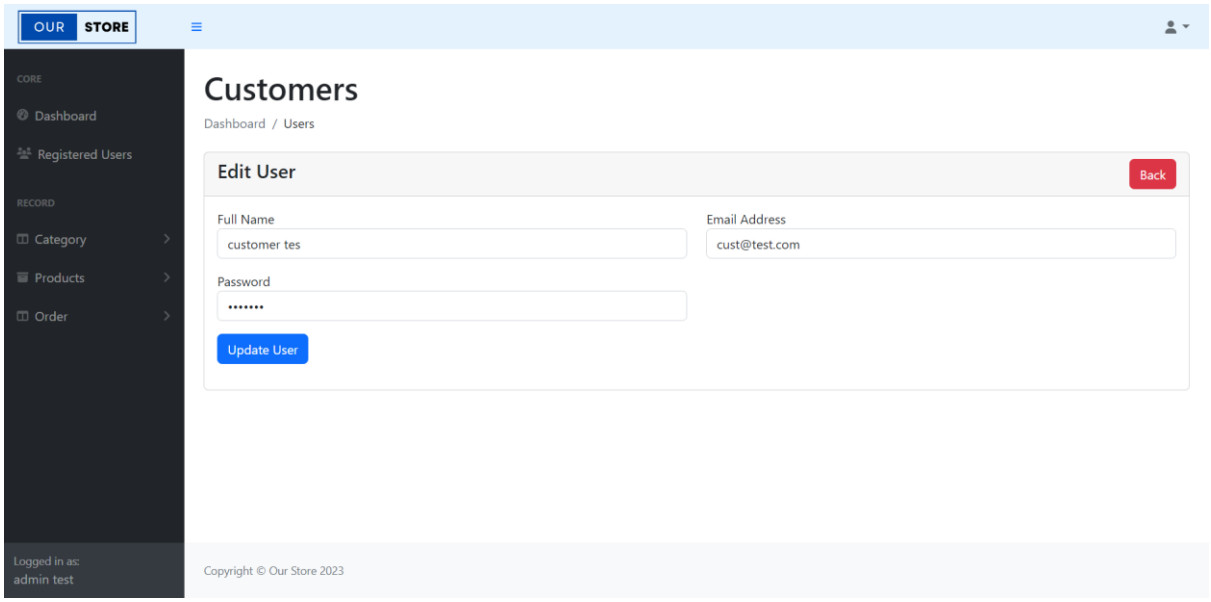


Admins may delete/edit customers and admin. Plus, they can add more admin

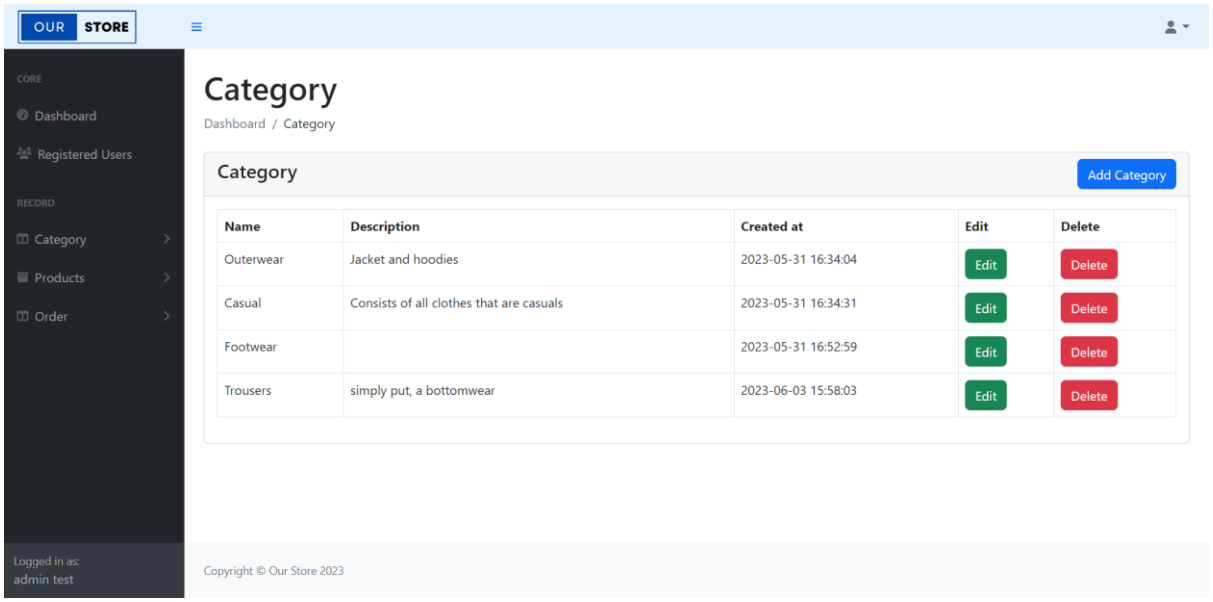
Adding admin



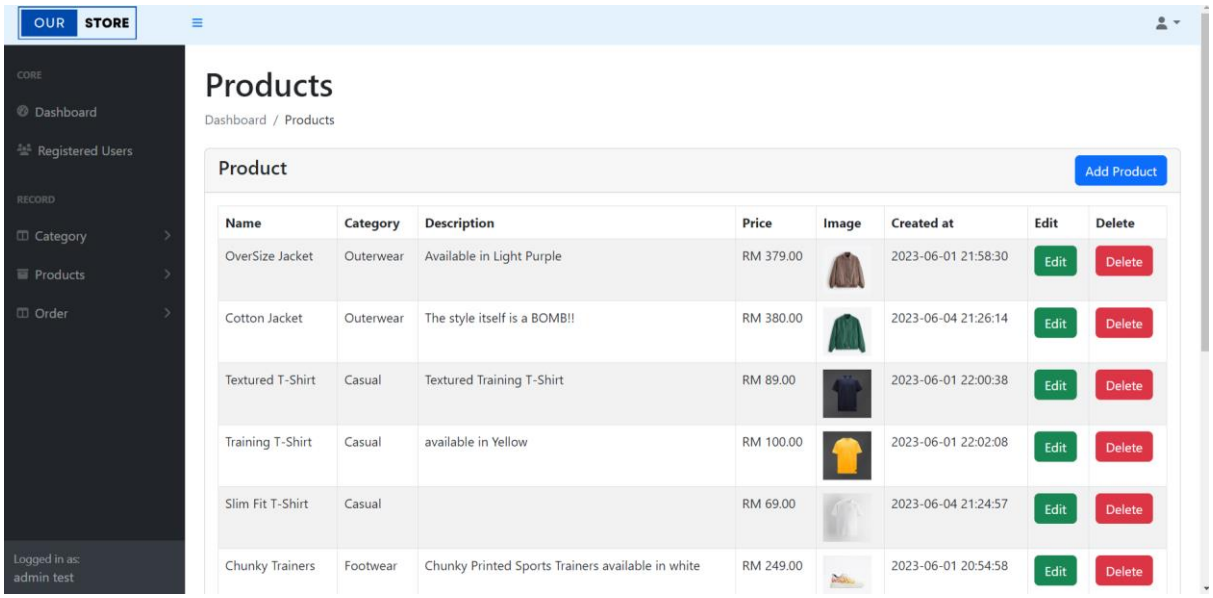
Editing customer



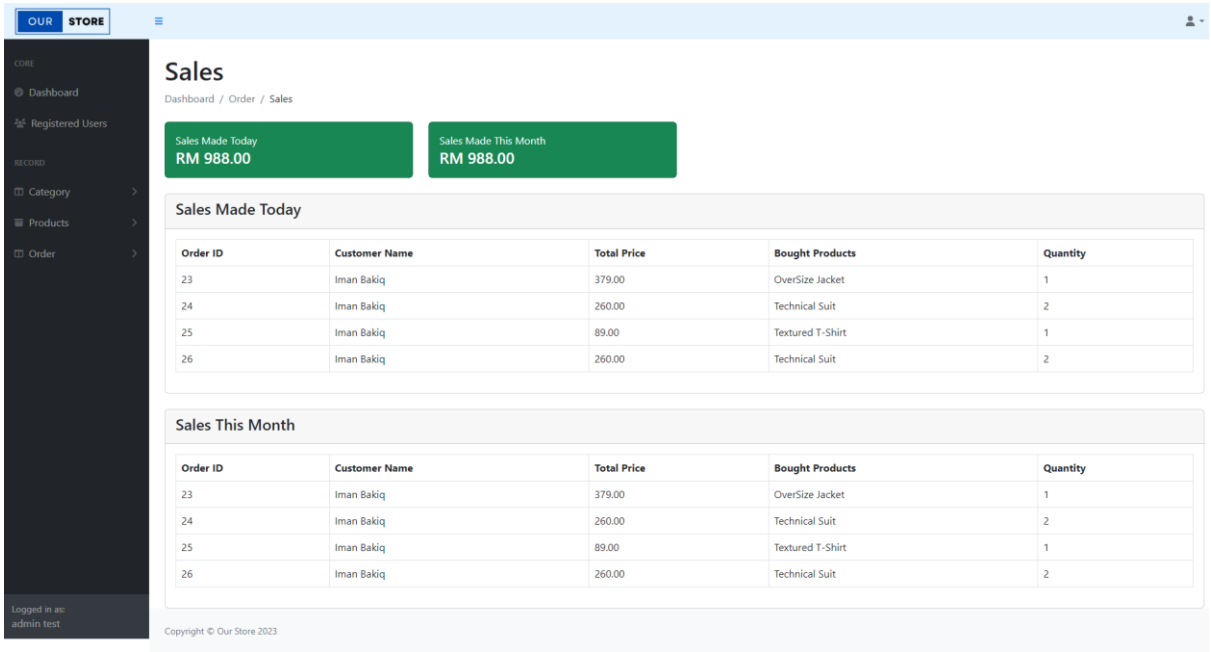
Monitor Category



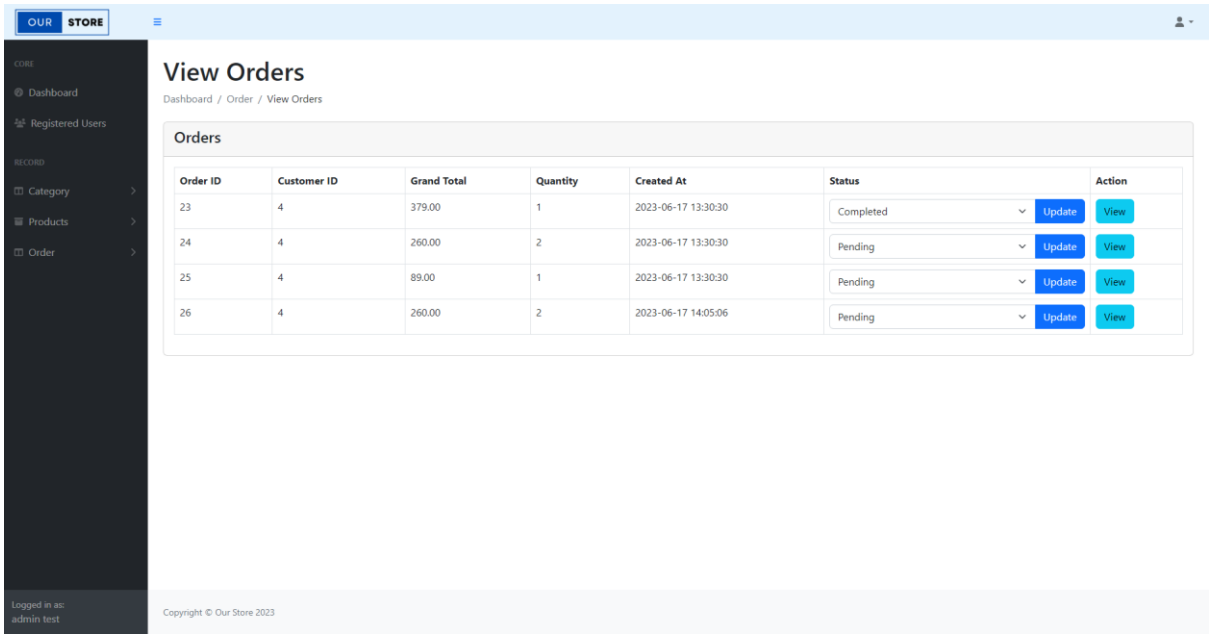
Monitor Products



Monitor Sales



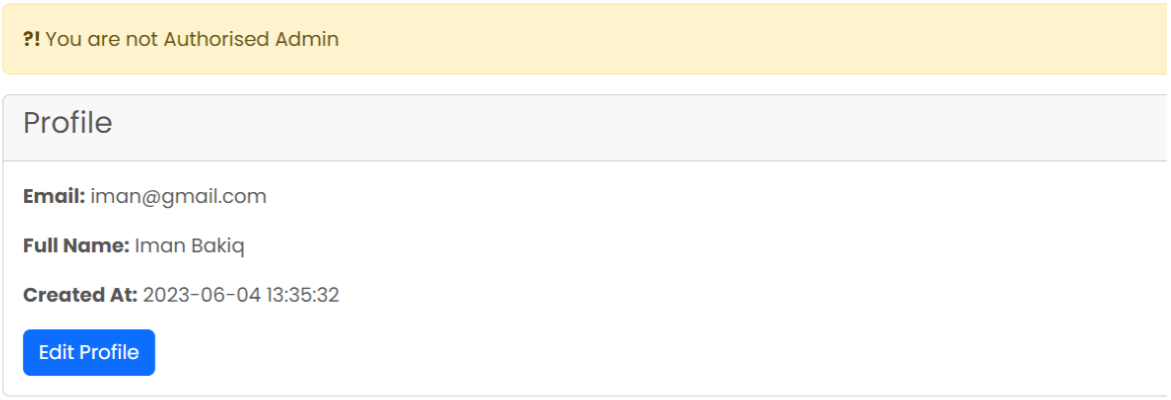
Monitor Order Status



Authenticator (include('authentication.php))

This website offers authentication so that customers cannot access a restricted files such as admin/index.php. Admin's ID is all upto 30001 and above. So that if any id's lower than 30000 trying to get in into any of admin's file will be redirected back to their profile.php

```php
<?php
session_start();
include('../config/dbcon.php');

// If user are not authenticated, redirect user to index.php
if(!isset($_SESSION['auth'])){
    $_SESSION['message'] = "Login to Access Dashboard";
    header("Location: ../index/login.php");
    exit(0);
}
else
{
    if($_SESSION['auth_user']['user_id'] <= '29999')
    {
        $_SESSION['message'] = "You are not Authorised Admin";
        header("Location: ../customer/profile.php");
        exit(0);
    }
}

?>
```



Config/dbcon SQL Connection

config > dbcon.php > ...

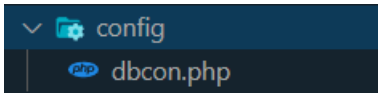
```php
<?php

    $host = "localhost";
    $username = "root";
    $password = "";
    $database = "project";

    // Creating database connection
    $con = mysqli_connect("$host", "$username", "$password", "$database");

    // Check database connection
    if(!$con)
    {
        die("Connection Failed: ".mysqli_connect_error());
    }


?>
```

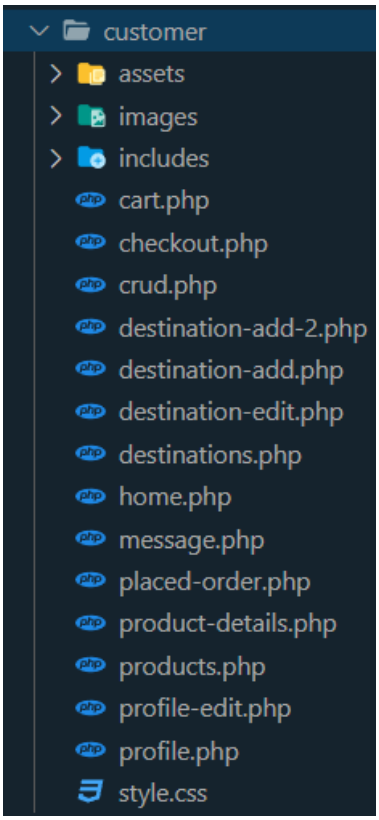
CRUD File

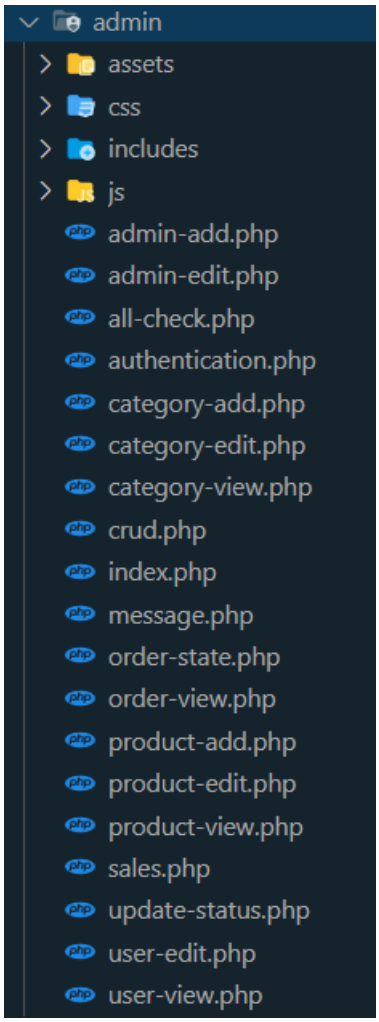
```php
// DELETE DESTINATION
if (isset($_POST['delete_destination'])) {
    $destination_id = $_POST['delete_destination'];
    $cust_id = $_POST['cust_id'];

    $query = "DELETE FROM destination WHERE destination_id='$destinat
    $query_run = mysqli_query($con, $query);

    if ($query_run) {
        $_SESSION['message'] = "Address Deleted Successfully";
        header("Location: destinations.php?cust_id=".$cust_id);
        exit(0);
    } else {
        $_SESSION['message'] = "Something Went Wrong";
        header("Location: destinations.php?cust_id=".$cust_id);
        exit(0);
    }
}

// ADD RATINGS
if (isset($_POST['submit_rating'])) {
    $product_id = $_GET['product_id'];
    $rating = $_POST['rating'];
    $review = $_POST['review'];
    $cust_id = $_SESSION['auth_user']['user_id'];


    $insert_rating_query = "INSERT INTO ratings (product_id, cust_id,
    $insert_rating_result = mysqli_query($con, $insert_rating_query);
```

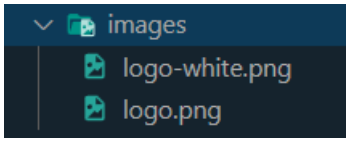
crud.php file is where all the process of **C**REATE, **R**EAD, **U**PDATE, and **D**ELETE button function occur. This file existed in both admin and customer folder.

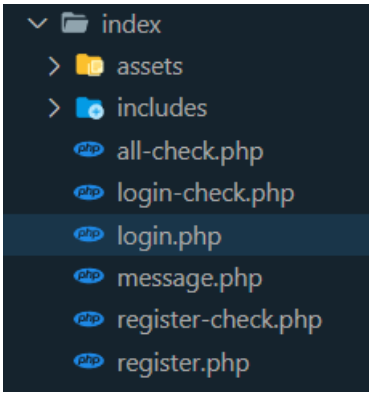
FILE DIRECTORIES

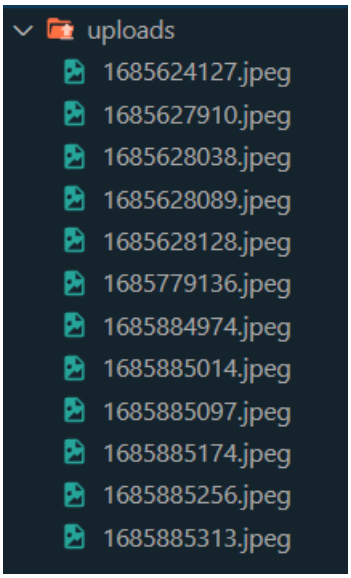












THANK YOU

This project was the heaviest, most interesting, and a fun opportunity for us.

--- End Of Report ---