

ONLINE CLOTHING STORE SYSTEM

AYAT ABDULAZIZ GABER AL-KHULAQI

RAISA RAAD KHAN

TAN PEY YI

SESSION 2020/2021

THE PROJECT REPORT IS PREPARED FOR
FACULTY OF COMPUTING AND INFORMATICS

MULTIMEDIA UNIVERSITY

IN PARTIAL FULFILLMENT

FOR

DIPLOMA IN INFORMATION TECHNOLOGY
FACULTY OF COMPUTING AND INFORMATICS

MULTIMEDIA UNIVERSITY

DECEMBER 2021

COPYRIGHT

© 2017 Universiti Telekom Sdn. Bhd. ALL RIGHTS RESERVED.

Copyright of this report belongs to Universiti Telekom Sdn. Bhd. as qualified by Regulation 7.2 (c) of the Multimedia University Intellectual Property and Commercialisation Policy. No part of this publication may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Universiti Telekom Sdn. Bhd. Due acknowledgement shall always be made of the use of any material contained in, or derived from, this report.

ACKNOWLEDGEMENT

First and foremost , we would like to acknowledge with thanks to our supervisor Madam Rubiah Binti Mohd Yunus because without her guidance and assistance , our final year project could not be done properly. We extremely appreciate her for providing us with nice support and guidance throughout our project in purpose to produce the success and final outcome of our final year project. Besides , we are really grateful because we managed to complete this project within the deadline.

This project could not be completed without the effort and cooperation from our group members , which consist of Ayat Abdulaziz Gaber Al-Khulaqi, Raisa Raad Khan and Tan Pey Yi. We always work hard to produce a good outcome of the final year project with our full commitment and responsibility. Last but not least , we would like to express our gratitude and thankfulness to Multimedia University (MMU) campus Cyberjaya for giving us the opportunity to conduct this project. Lastly , we express our deepest appreciation to our beloved parents , family , friends and colleagues for their continuous support and encouragement are greatly appreciated.

ABSTRACT

We will develop an online clothing system with two separate access: user and admin. For the user page, customers can order by registering an account. While ordering products, our systems will provide a shopping cart for holding items selected for purchase. Products can be edited or deleted at the option of the customer. Additionally, they can rate the service and products, and also comment on the services by form provided.

From the admin page, the admin can log in by password and username. And they can access all the information of customers, products, and order. Admin can add, view, delete or search any products or orders .Also, they can see customers comments or complaints.

LIST OF TABLES

Table 1.1: <i>Division of tasks</i>	15
Table 3.4.1: <i>Data Dictionary</i>	31
Table 5.1.1: <i>User System Table</i>	66
Table 5.1.2: <i>Admin System Table</i>	69
Table 7.1.: <i>Meeting Minutes Table</i>	76

LIST OF FIGURES

Figure 1.1: <i>Gantt Chart 1</i>	13
Figure 1.2: <i>Gantt Chart 2</i>	14
Figure 2.1.1: <i>ZARA Home Page</i>	17
Figure 2.1.2: <i>ZARA View Page</i>	18
Figure 2.1.3: <i>H& Home Page</i>	19
Figure 2.1.4: <i>H&M Women Dresses</i>	19
Figure 2.1.5: <i>H&M Product Page</i>	20
Figure 2.1.6: <i>Levi's Home Page</i>	21
Figure 2.1.7: <i>Levi's Women's Section</i>	22
Figure 2.1.8: <i>Gap Home Page</i>	23
Figure 3.2.1: <i>Context Diagram</i>	28
Figure 3.2.2: <i>Data Flow Diagram</i>	29
Figure 3.3.1: <i>Chen Model</i>	30
Figure 4.1.1: <i>Home Page</i>	33
Figure 4.1.2: <i>Sign-In Page</i>	34
Figure 4.1.3: <i>Sign-In Page (error)</i>	34
Figure 4.1.4: <i>Sign-Up Page</i>	35

Figure 4.1.5: Sign-In Page (Error)	36
Figure 4.1.6: Landing Page	36
Figure 4.1.7: Edit Profile (missing tab) Page	37
Figure 4.1.8: Edit Profile (Error) page	38
Figure 4.1.9: Product List Page	38
Figure 4.1.10: Product Details Page	39
Figure 4.1.11: Shopping Cart Page	40
Figure 4.1.12: Order Confirmation Page	41
Figure 4.1.13: Upload Transaction Page	42
Figure 4.1.14: User Order List Page	43
Figure 4.1.15: View Order Page	43
Figure 4.1.16: Contact Page	44
Figure 4.1.17: Rating Page	45
Figure 4.2.1: Admin & Staff Login	46
Figure 4.2.2: Alert for providing wrong username and password	47
Figure 4.2.3: Dashboard after successful login	47
Figure 4.2.4: Staff Main Page	48
Figure 4.2.5: Add Staff Page	49
Figure 4.2.6: Alert box for staff add pages	49
Figure 4.2.7: Staff edit pages	50
Figure 4.2.8: Staff main page	51
Figure 4.2.9: Staff view Pages	51
Figure 4.2.10: Products main page	52
Figure 4.2.11: Add products Page	52
Figure 4.2.12: Users Product Page	53
Figure 4.2.13: Products Edit Page	54
Figure 4.2.14: Alert for Add and Edit Products Page	54
Figure 4.2.15: Delete Product	55

Figure 4.2.16: <i>View Product</i>	55
Figure 4.2.17: <i>Order Main Page</i>	56
Figure 4.2.18: <i>Order Delete</i>	56
Figure 4.2.19: <i>Order View Page</i>	57
Figure 4.2.20: <i>Transaction Receipt Page</i>	58
Figure 4.2.21: <i>User Track Order & Admin Order status page</i>	59
Figure 4.2.22: <i>User contact us page & Admin message view page</i>	60
Figure 4.2.23: <i>User Rating page & Admin Comment, Rating View page...</i>	61
Figure 4.2.24: <i>Sales Report Page</i>	62

Table of Contents

COPYRIGHT	1
ACKNOWLEDGEMENT	2
ABSTRACT	3
LIST OF TABLES	4
LIST OF FIGURES	4
Part I:	9
Introduction	9
Overview	9
Project Objectives	11
Target Users	12
Project Scope	12
Gantt Chart 1	13
Gantt Chart 2	14
Division of Work	15
Part II:	16
Primary Study And	16
Literature Review	16
Primary Study	17
Problem Statement	24
Part III:	25
System Design	25
System Features	26
Hardware/Software Requirements	27
Context Diagram & Data Flow Diagram	28
Part IV:	32
System Previews	32
Customer/Member Module	33

Admin Module	47
Part V:	63
System Testing	63
System Testing	64
Part VI:	70
Conclusion	70
Conclusion	71
Future Enhancements	72
Part VII:	73
References	73
Part VIII:	75
Appendix	75
Appendix A: Meeting minutes	76
Appendix B: Client/Server Setup Guide	76

Part I:

Introduction

Overview

In this era, E-shopping is growing faster, which covers many techniques. Almost half of the people from the majority like to do online shopping as it saves time and can compare products quickly with price and quality.

E-commerce is conducted between businesses and consumers, also referred to as business-to-consumer or B2C. This is the type of e-commerce conducted by companies such as Amazon.com.

Project Objectives

For our clothing website system, we would like to achieve the following :

1. To improve the website layout :
By making it simple and professional .
2. To include customers reviews and ratings :
By allowing the customers to leave and view the reviews and ratings.
3. To make categories easier to navigate :
By making it user friendly .

Target Users

Our website focuses on women's, men's, girls, and boys clothing between the ages of 10-25 years old in Malaysia.

Project Scope

Website Features are : -

- Sign in and sign up.
- Payment method:
 - Users manually online banking for their transaction.
- Cart :
 - Users can add, view, delete and update their cart.
- Customer Services:
 - Anyone can contact the staff if they have any inquiry.
- Reviews and Ratings :
 - Users reviews and ratings under an item.
- Feedback :
 - Anyone can send overall feedback on the website.
- Sort By :
 - Anyone is able to sort the items.
- If the customer doesn't have an account, they won't be able to :
 - Add their items to the Cart.

Gantt Chart 1

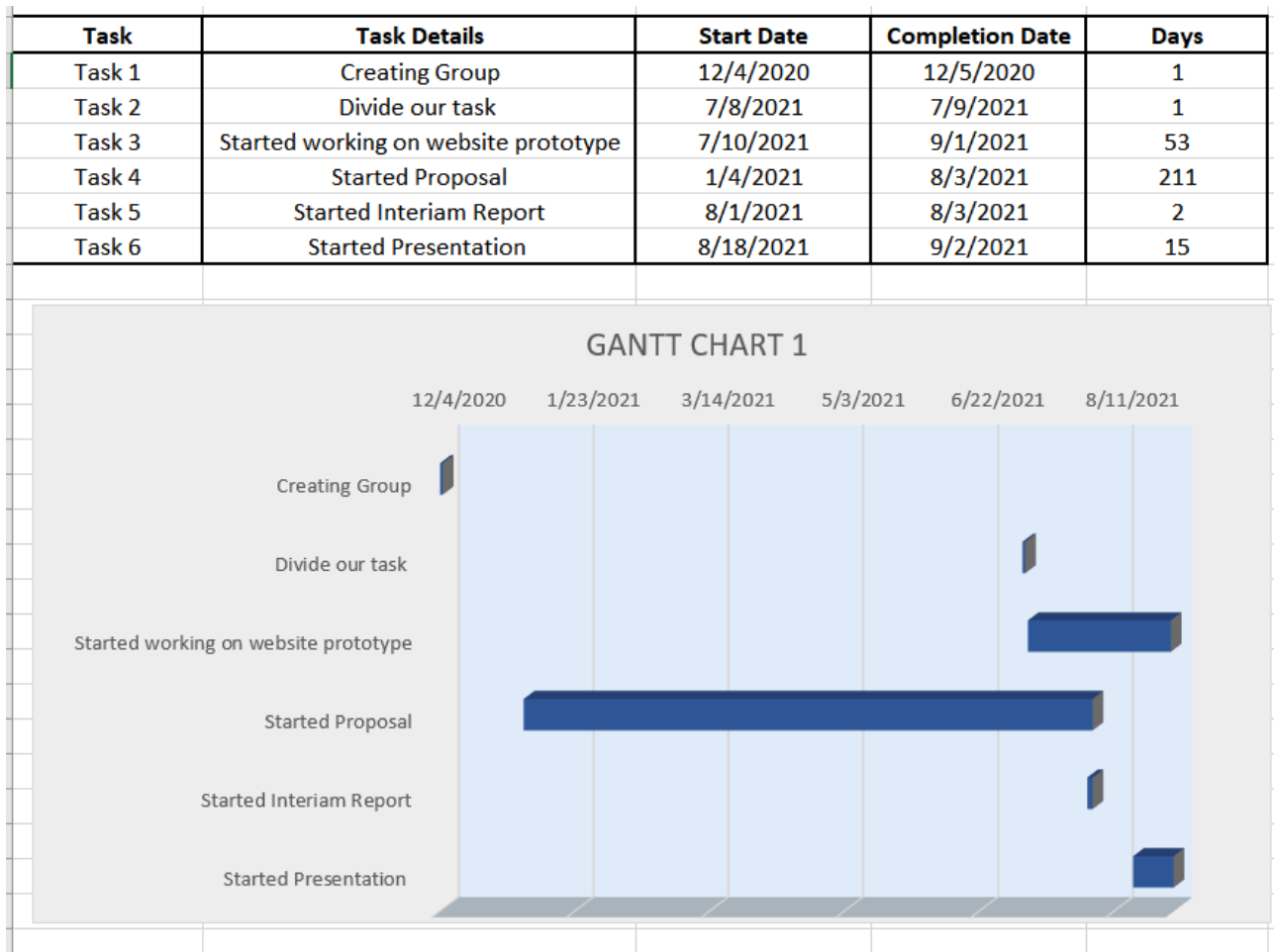


Figure 1.1 Gantt Chart 1

Gantt Chart 2

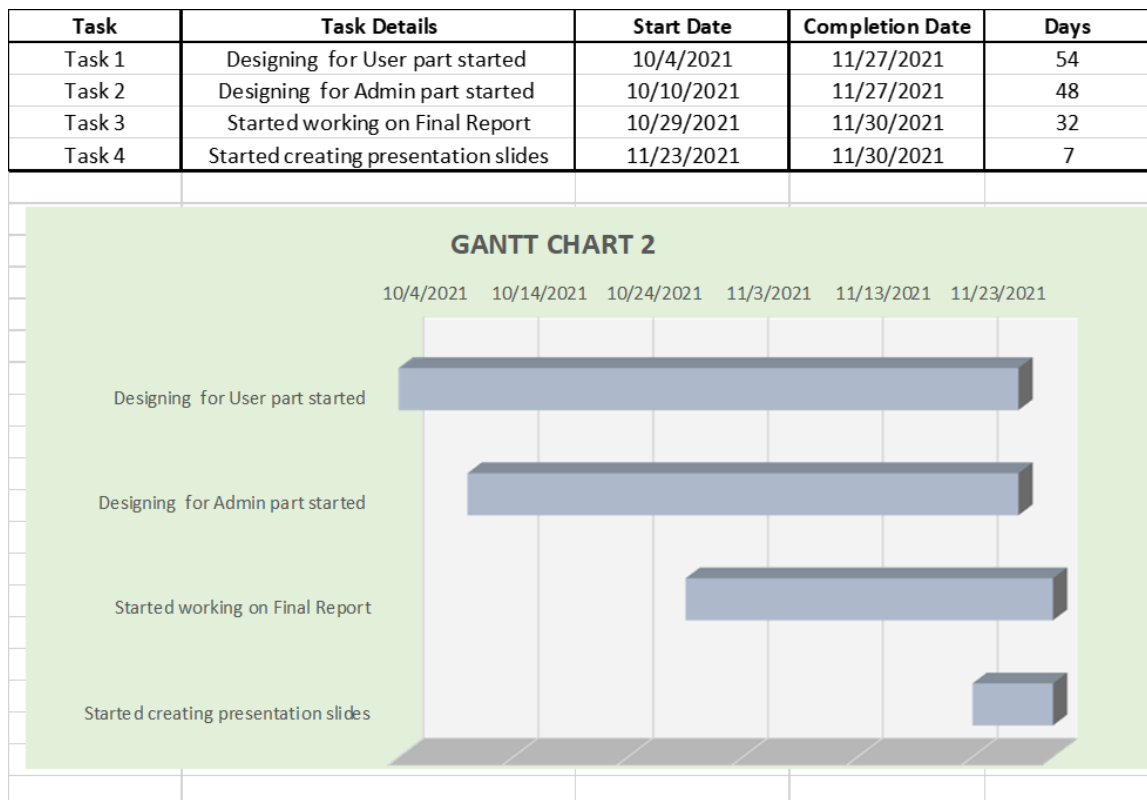


Figure 1.2 Gantt Chart 2

Division of Work

TASKS	STUDENTS		
	Ayat	Raisa	Tan Pey Yi
Preparing project proposal	X	X	X
Overview		X	X
Objectives	X		
Target Users	X		
Project Scope	X	X	X
Gantt chart		X	
Primary Study	X	X	X
Problem Statements	X	X	X
System Features	X	X	X
Hardware/Software Requirements	X	X	X
Data flow diagram & Context Diagram	X		X
Entity relationship diagram		X	X
Data dictionary		X	
System Interface Design	X	X	X
System Coding	X	X	X
System Testing	X	X	X
Compilation of Final Report	X	X	X
Presentation and Demo	X	X	X
Meeting Minutes	X	X	X

Table 1.1: *Division of tasks*

Part II:

Primary Study And

Literature Review

Primary Study

ZARA



Fig 2.1.1: ZARA Home Page

We explored some of the Online clothing websites for our background study, and one of them was ZARA. ZARA is one of the world's biggest apparel retailers and companies in the Inditex group. In 1985, Amancio Ortega set up a parent company for Zara before going for the global expansion, and in 1988, the company started its international expansion through Portugal. Though ZARA is the largest fashion company globally, the interface for navigation of the website is complicated. It isn't easy to navigate finding clothes and to get to a specific spot. Some features of the ZARA website can cause trouble for users. For example, as we can see in the screenshot navigation header should be easily found without any effort for thinking.

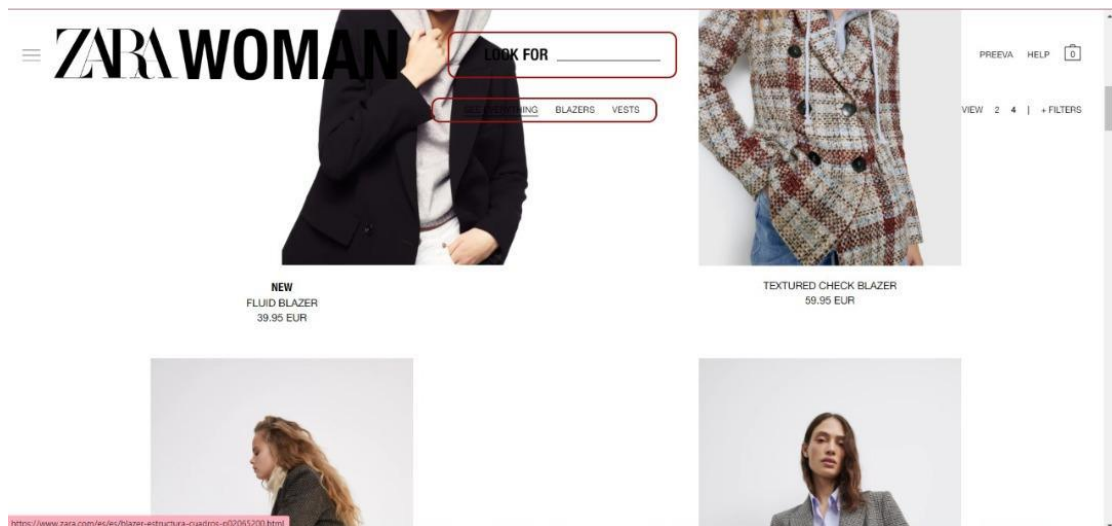


Fig 2.1.2: ZARA View Page

Also, in the view page the home is blending with the pictures of the product, which is not user-friendly. It will be easier for users if Menu doesn't blend, and navigations are identifiable. However, ZARA have some good features also for example users can search their item after they login, also they can filter their desired choices according to size, color, collection, characteristics and also price.

H&M

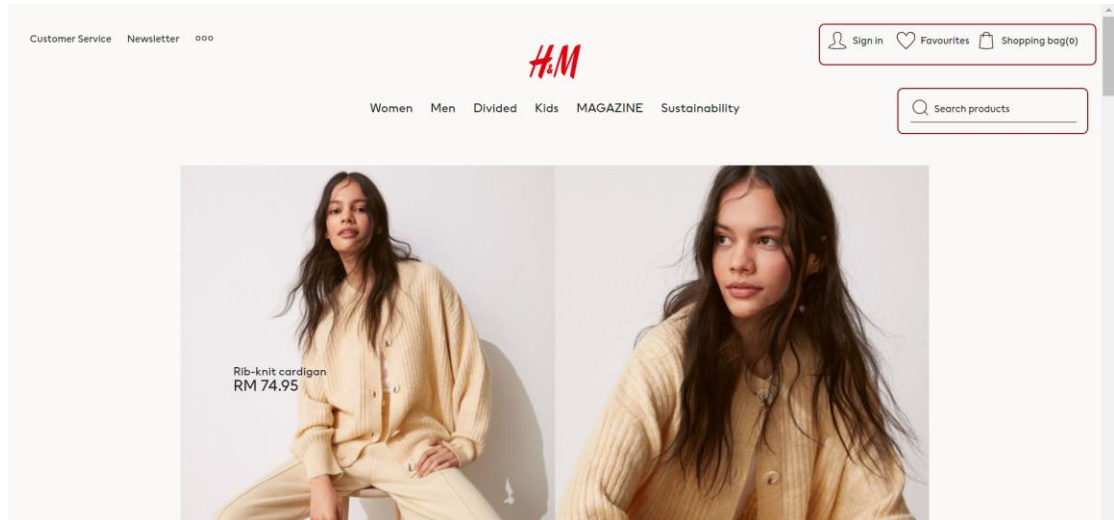


Figure 2.1.3 : H&M Home Page

H&M is a Swedish multinational clothing-retail company. The website runs properly. The users are able to create an account simply by typing in your email and password, adding products in your shopping cart then making purchases and adding your favorite clothing to your favorites list.

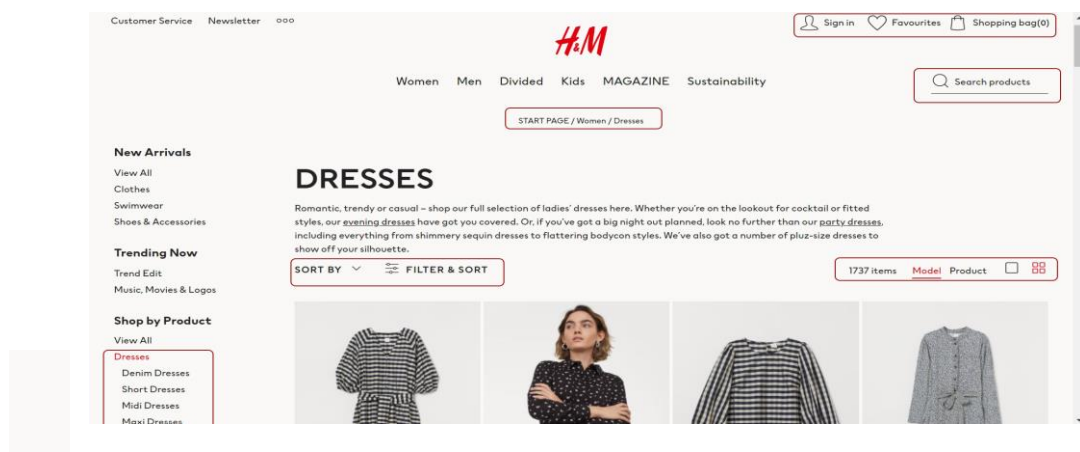


Figure 2.1.4 : H&M Women dresses

Overall, the H&M website has a clean layout. Good text size and colour contrasts that make great accessibility. The website is very detailed and user friendly. The user can access their favorites and shopping cart anytime on the right top of the web page. The website has two types of Breadcrumbs that shows a user's website place, which makes it easier to return to the previous page. The user can directly access the sort and the filter functionality. You can open different viewing choices such as products, models, etc. Also, the sort and filter functions are pinned at the top of the page when you are scrolling down the website.

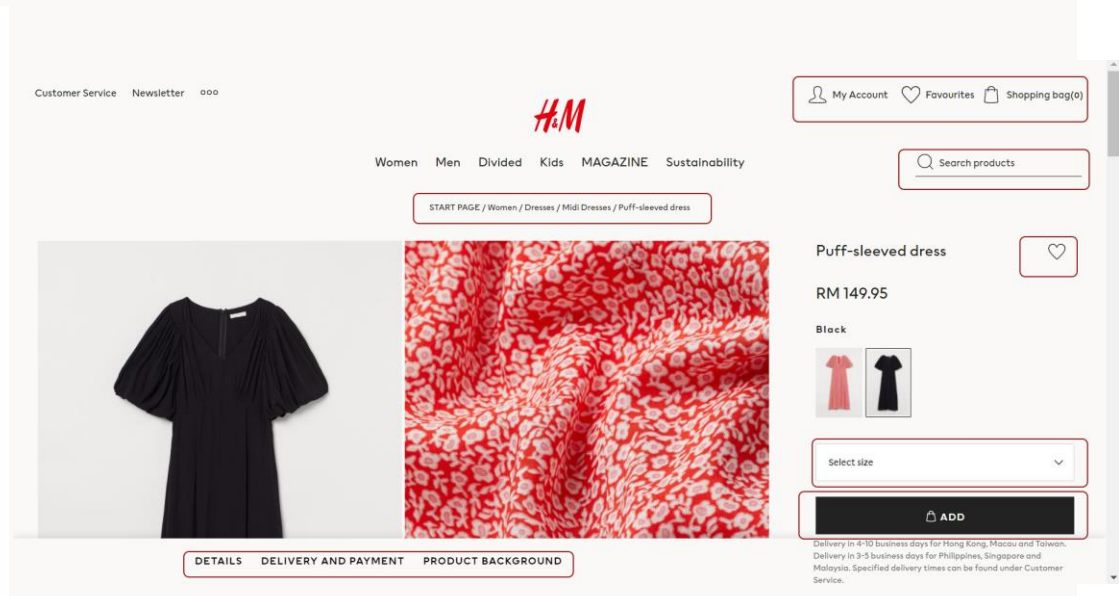


Figure 2.1.5 : H&M Product Page

Users can save or add any product just by clicking the heart or add button without having to go to another page. The customers can view the product details, delivery and payment and the product background. However, customers of h&m website aren't able to leave reviews nor rate the clothing item.

Levi's

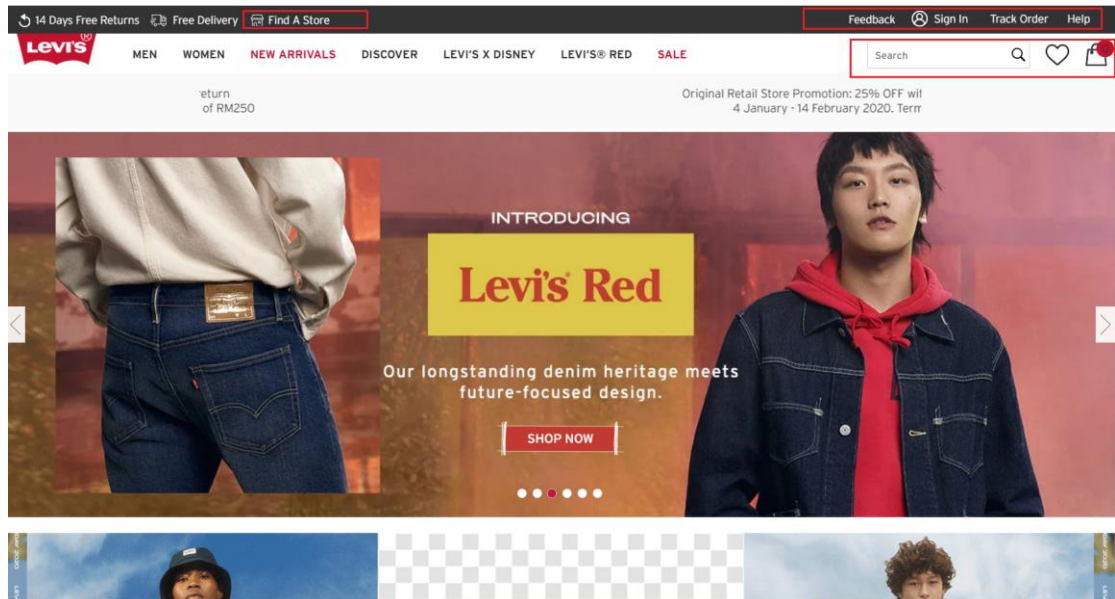


Figure 2.1.6: Levi's Home Page

Levi Strauss & Co. is an American clothing company known worldwide for Levi's brand of denim jeans. At the home page, users can find a nearby store with the "Find A Store" button if they wish to shop physically. Besides that, users can search products that they wish to buy and proceed with their wishlist and shopping cart at the menu page. They are able to send their feedback to the official Levi's management with the feedback button. Moreover, they could sign in or sign up with the Sign in button, but they could view the product without any login. Therefore, it is user friendly to the users who just need to have a view for a product. Users can track their parcel with their order ID and mobile number or email id to know the status of their parcel. Lastly, they are able to get some help with the Help button if they are having some problems when shopping online.

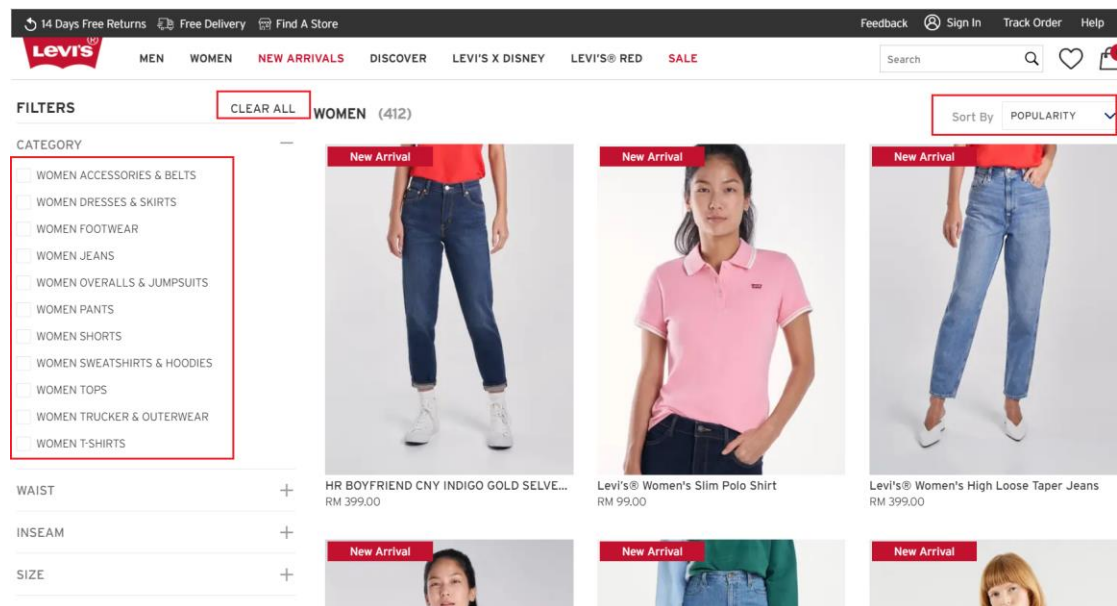


Figure 2.1.7: Levi's Women's Section

Users could find the product by using the filters to select and search the product they wish to buy. They can also untick their selection in the filter one by one or just with a click to clear all. Furthermore, the users can sort the product by popularity, discount, and price to easily get the product they want to buy.

GAP

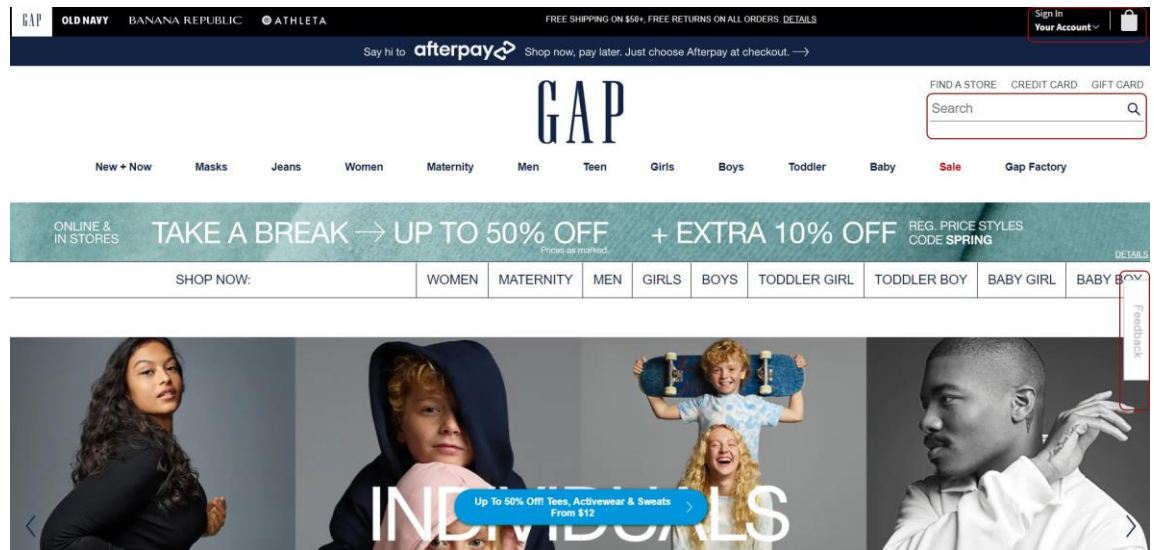


Figure 2.1.8: GAP Home Page

GAP is an American worldwide clothing and accessories retailer. The user is able to sign in or create an account by clicking on sign in or your account. They are also able to search or add their desirable product in the cart bag. In the right corner of the page, there is a button for feedback, where the users are able to send their overall review of the product or the website to GAP. However, the gap website doesn't have a wishlist or favorites list, which means users are not able to add their favorite products.

Problem Statement

Objective:

- To make categories easier to navigate.
- To include customers reviews and ratings .
- To improve the website layout.

Problem Statement :

- ZARA'S website is not a user-friendly system. Like the filter menu is hard to find which can be annoying to users. Also, the navigation bar blends with the pictures, which visitors may not like.
- In H&M'S website customers are not able to leave reviews and ratings under H&M products or in general.
- Levi's website has a navigation bar to allow customers to search for their products. However, they are unable to leave and view the reviews and ratings in general.

Part III:

System Design

System Features

- Admin
 - Can login
 - Can access dashboard
 - Can add, edit, delete, view Staff
 - Can add, edit, delete, view Products
 - Can delete, view Order
 - Can change Order Status
 - Can View Transaction Receipt & Customer details
 - View Sales Report
 - View Comments
 - View Ratings

- Member
 - Can register and log into the system.
 - Can edit profile.
 - Can see home page
 - Menu/Categories page
 - Products Page
 - About us page
 - Contact page
 - Can view list of products
 - Can add product on cart
 - Can order
 - Can pay
 - Can comments and rate

Hardware/Software Requirements

For Developer

- Notepad++/Brackets
- Figma
- MySQL
- PHP

For User

- Web Browser

Context Diagram & Data Flow Diagram

Context Diagram

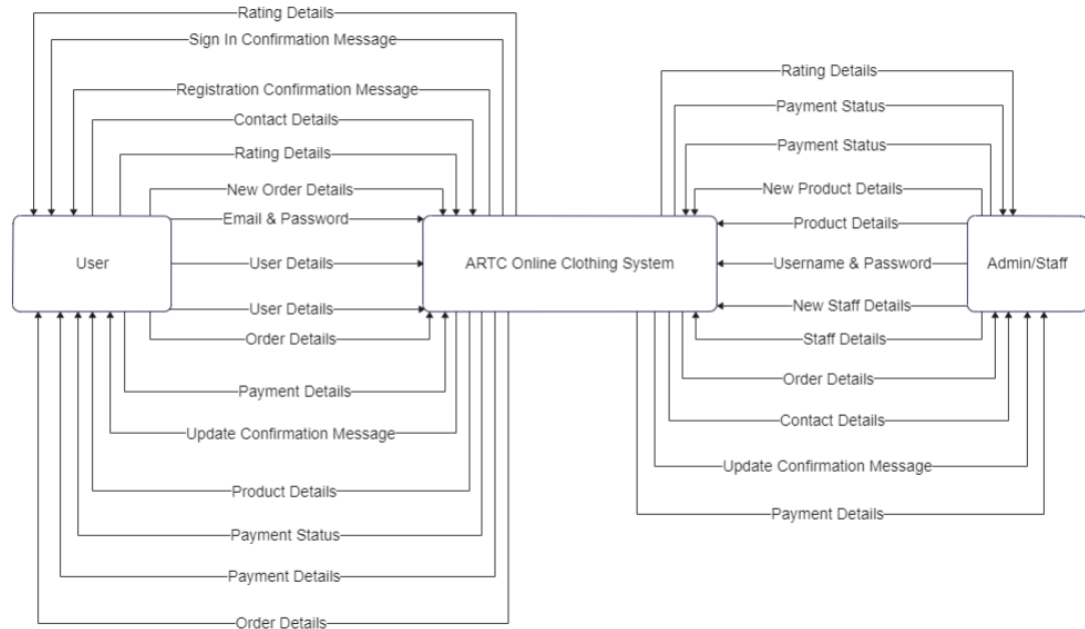


Figure 3.2.1 Context Diagram

Data Flow Diagram

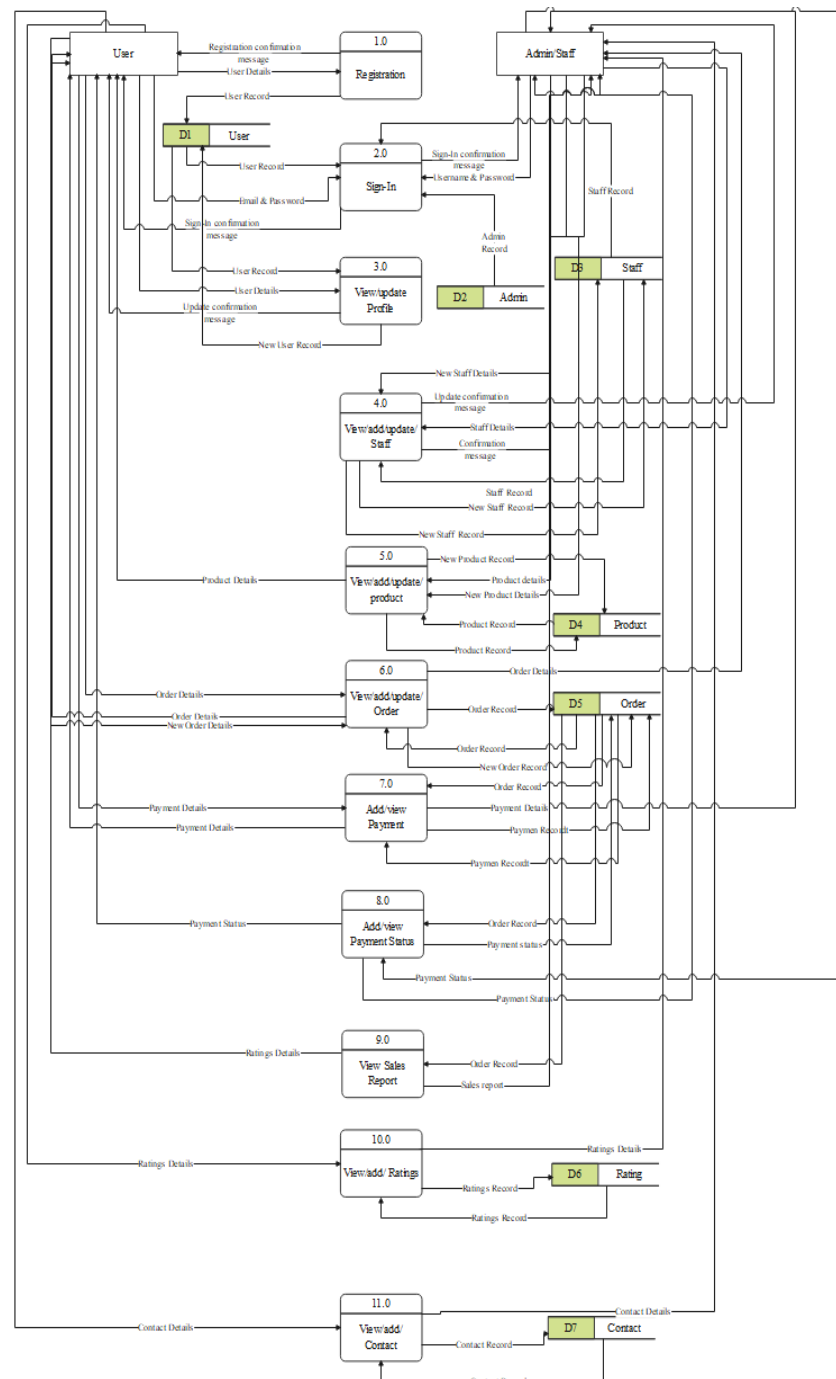


Figure 3.2.2: Data flow diagram

Entity Relationship Diagram

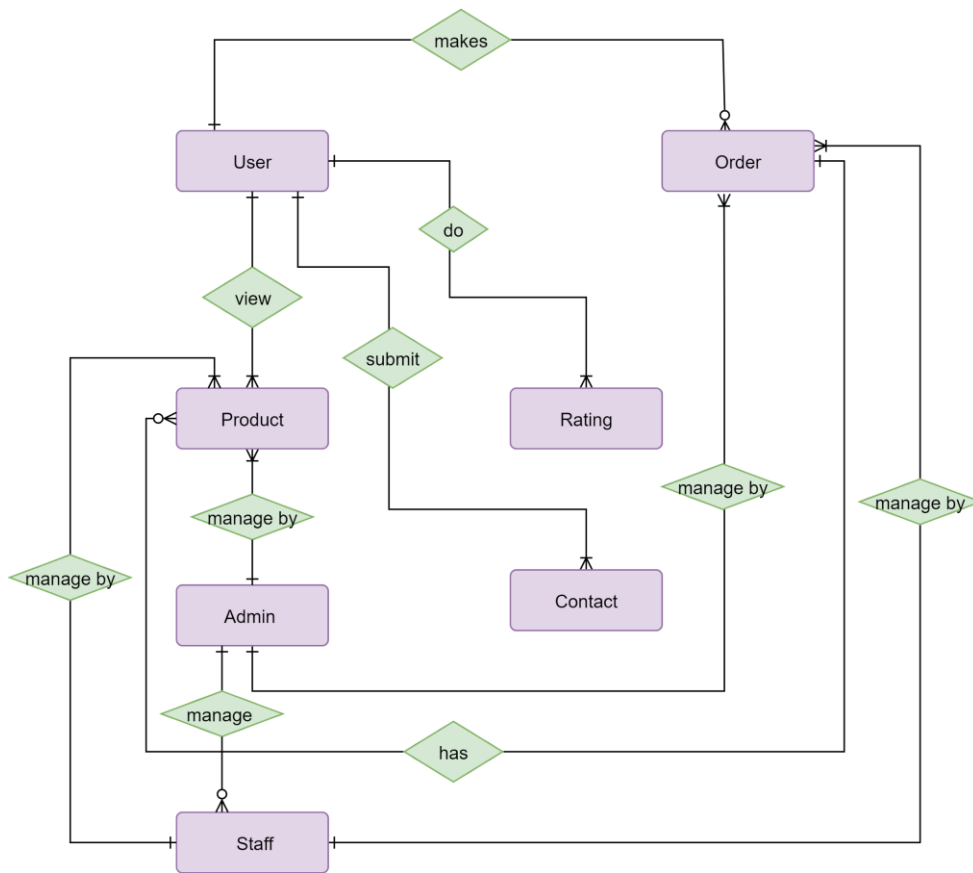


Figure 3.3.1: Chen Model

Data Dictionary

Table Name	Attribute Name	Contents	Type	Format	Required	PK or FK	FK reference table
User	id	User Identification	INT (100)	1	Y	PK	
	username	User Username	VARCHAR(50)	Xxxx	Y		
	email	User email	VARCHAR(200)	Xxxx	Y		
	firstName	User First Name	VARCHAR(200)	1111	Y		
	lastName	User Last Name	VARCHAR(200)	Xxxx	Y		
	phoneNo	User Phone Number	VARCHAR(50)	Xxxx	Y		
	address	User Address	VARCHAR(200)	Xxxx	Y		
Admin	password	User Password	VARCHAR(200)	Xxxx	Y		
	id	Admin Identification	INT (200)	1	Y	PK	
	username	Admin Username	VARCHAR(100)	Xxxx	Y		
Staff	password	Admin Password	VARCHAR(100)	Xxxx	Y		
	id	Staff Identification	INT (200)	1	Y	PK	
	email	Staff Email	VARCHAR(50)	Xxxx	Y		
	username	Staff Username	VARCHAR(30)	Xxxx	Y		
Product	password	Staff Password	VARCHAR(30)	Xxxx	Y		
	product_ID	Product Identification	INT (255)	1	Y	PK	
	product_Name	Product Name	TEXT	Xxxx	Y		
	product_Quantity	Product Quantity	INT(255)	11	Y		
	product_Price	Product Price	DECIMAL (5,2)	11111.11	Y		
	product_Detail	Product Detail	TEXT	Xxxx	Y		
	product_image	Product Image	VARCHAR(200)	Xxxx	Y		
Order	product_type	Product Type	INT (255)	1	Y		
	No	Order Number	INT (255)	1	Y	PK	Product
	product_ID	Product Identification	INT (255)	1	Y	FK	User
	user_ID	User Identification	INT (255)	1	Y	FK	
	order_ID	Order Identification	INT (255)	1	Y		
	product_Name	Product Name	TEXT	Xxxx	Y		
	product_Price	Product Price	DECIMAL (5,2)	11111.11	Y		
	product_Quantity	Product Quantity	INT(255)	11	Y		
	product_Total	Toal Product	DECIMAL (10,2)	11111111.11	Y		
	customer_Name	Customer Name	TEXT	Xxxx	Y		
	customer_Email	Customer Email	VARCHAR(500)	Xxxx	Y		
	customer_Address	Customer Address	TEXT	Xxxx	Y		
	customer_Phone	Customer Phone	VARCHAR(500)	Xxxx	Y		
	payment_Type	Payment Types	VARCHAR(500)	Xxxx	Y		
	order_status	Order Status	INT (255)	1	Y		
	transaction	Transaction	VARCHAR(200)	Xxxx	Y		
	order_date	Order placed dates	TIMESTAMP	1/1/2020 1:10	Y		
	modified_date	Order modifying Date	DATETIME	1/1/2020 1:10	Y		
Contact	id	Contact Identification	INT (200)	1	Y	PK	
	name	User Name	VARCHAR (250)	Xxxx	Y		
	contactNumber	User Contactnumber	VARCHAR (15)	Xxxx	Y		
	email	User Email	VARCHAR (250)	Xxxx	Y		
	subject	User Subject	VARCHAR (1500)	Xxxx	Y		
Rating	id	Raters Identification	INT (100)	1	Y	PK	
	name	Raters Name	TEXT	Xxxx	Y		
	email	Raters Name	VARCHAR (50)	Xxxx	Y		
	comment	Raters Comment	VARCHAR (200)	Xxxx	Y		
	rate	Ratings	INT (200)	1	Y		

Table 3.4.1 : Data Dictionary

Part IV:

System Previews

Customer/Member Module

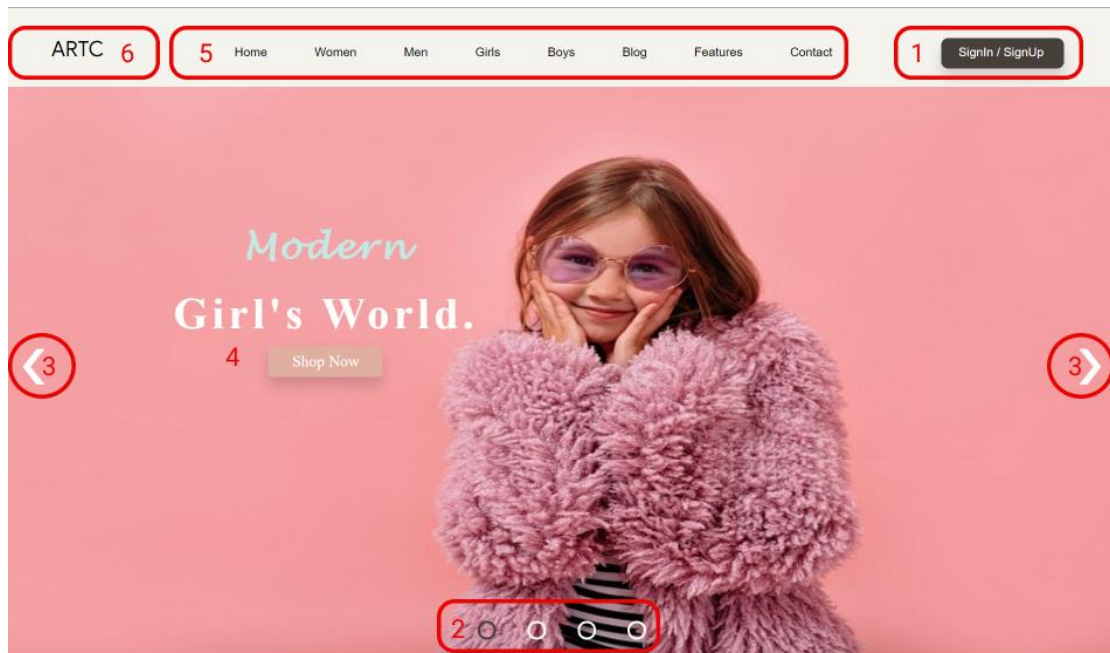


Figure 4.1.1 Home page

1. When the customer clicks on the sign-in/ sign-up button, it will take them to the Sign-In/ Sign-Up page (*Figure 4.1.2*).
2. The user can click on the circular buttons to move between the images .
3. The user can click on the left or the right arrow to move the images.
4. When the user clicks on Shop Now it will take them to the category page of a specific category .
5. The menu bar for the website which can navigate you to different pages if you click on them. Also, if you hover over (Women, Men, Girls and Boys) it will show you the product name (like Shirts).
6. Click on the logo name and it will take you to the Home page.

Figure 4.1.2 Sign-In page

1. The user types in the required data (Email and Password) to sign in. If the user clicks on keep me login, they have 1 hour before it signs out. Else, the user has 15 minutes before it signs out.
2. After the user clicks on the sign-in button. If the user types the wrong email or password a pop-up message will appear to the user (*Figure 4.1.3 Sign-In page ("Error")*). However, if the email and password are correct then it will take them to the Landing Page (*Figure 4.1.6 Landing page*).

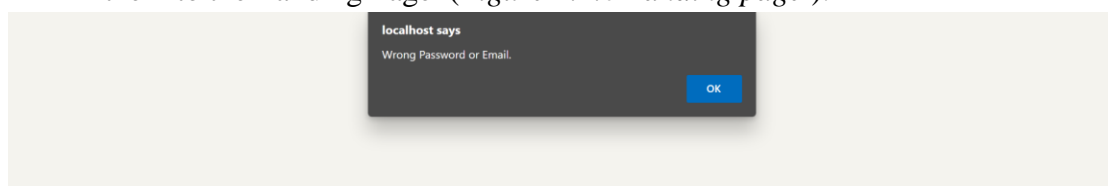


Figure 4.1.3 Sign-In page (Error)

The screenshot shows the ARTC website's Sign-Up page. The top navigation bar includes links for Home, Women, Men, Girls, Boys, Blog, Features, Contact, Rating, and a SignIn / SignUp button. The main content area displays a 'Sign-Up' form with the following fields: Email Address, First Name, Last Name, Username, and Password. A phone number field is also present, with a format hint 'Format: 123-456-7890' and a dropdown menu for country code. A red box labeled '1' highlights the input fields. Below the fields is a 'Signup' button and a link 'Already member? Sign-In'. A second red box labeled '2' highlights the button and link. The footer contains sections for BLOG, MY ACCOUNT, INFORMATION, SUPPORT, and NEWSLETTER.

Figure 4.1.4 Sign-Up page

1. The user keys the required information to sign-up.
2. After the user clicks on the Signup button, if the username, email, or phone number already exists then a pop-up message will appear (for example, *Figure 4.1.5 Sign-Up page (Error)*). However, if the username, email or phone number already doesn't exist then a pop-up message will appear saying "Account has been created. Sign-In to access your account!! ;)". If the user already has an account, then they can click on the Sign-In link.



Figure 4.1.5 Sign-Up page (Error)

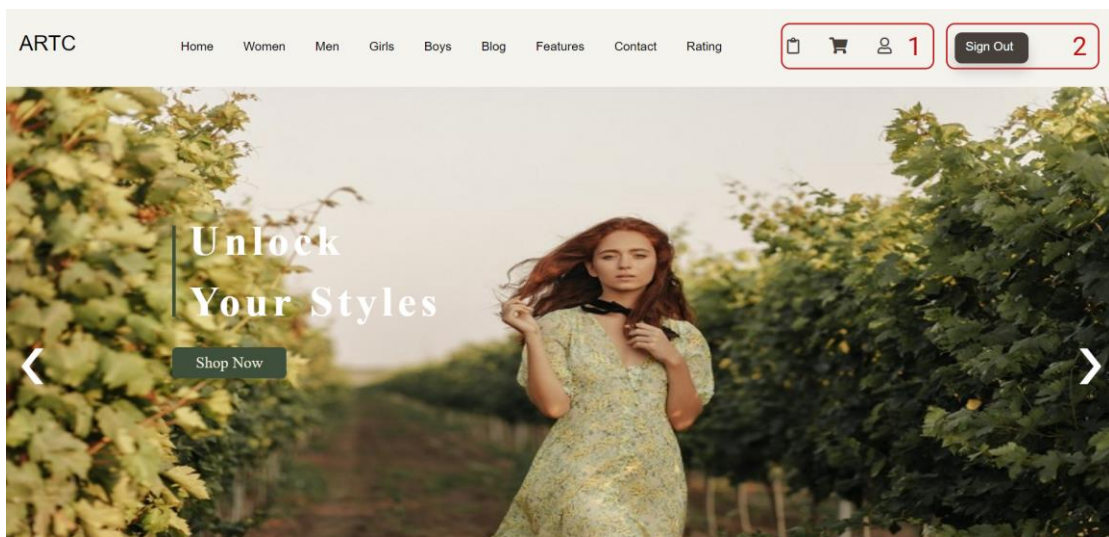


Figure 4.1.6 Landing page

1. The user can click on the user icon, cart, clipboard to access the edit profile, cart, and order list page.
2. The user can sign out by clicking the sign out button.

ARTC

Home Women Men Girls Boys Blog Features Contact Rating

Sign Out

Edit Profile

Personal Information

Username : RaisaRaad

Email : raisa2002@gmail.com

First Name : Raisa

Last Name : Raad

Phone Number : 182-967-5294

Address : Cyberjaya, Selangor

Password :

Update

BLOG

"Location"
"Phone"
"Email"

MY ACCOUNT

My Account
Login
My Cart
Wishlist
Checkout
Track Order
User Info

INFORMATION

Blog
Delivery Information
Privacy Policy
Terms & Conditions
New Products

SUPPORT

Contact Us
FAQ

NEWSLETTER

SUBSCRIBE TO OUR NEWSLETTER

+60 18-293 6294 info@artc.com

Figure 4.1.6 Edit Profile page

1. The user types in the information and clicks on the update button (2) to update their account information.

The screenshot shows a web form titled "Edit Profile". Inside the form is a section titled "Personal Information" containing several input fields: "Username" (filled with "RaisaRaad"), "Email" (filled with "raisa2002@gmail.com"), "First Name" (filled with "Raisa"), "Last Name" (empty), "Phone Number" (with a dropdown menu and a validation error message "Please fill out this field."), "Address" (filled with "Cyberjaya, Selangor"), and "Password" (filled with "....."). An "Update" button is at the bottom of the form.

Figure 4.1.7 Edit Profile (missing tab)

If the user missed one tab, a message would appear to remind them to fill in the required information.

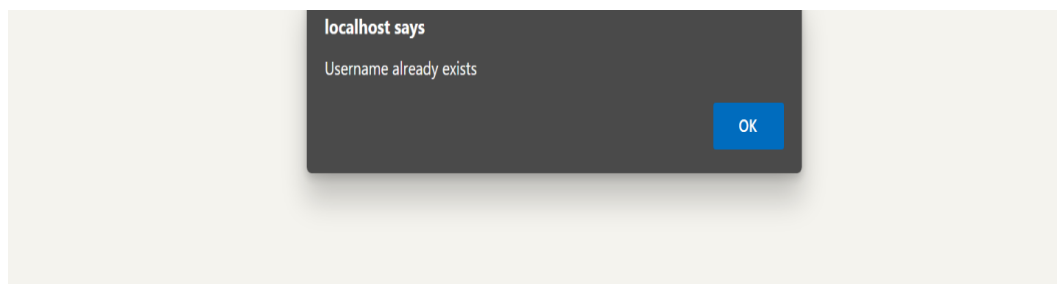


Figure 4.1.8 Edit Profile (error) page

If the user keys in a username, email or phone number that already exists in the system. An Alert or pop-up message will appear to the user.

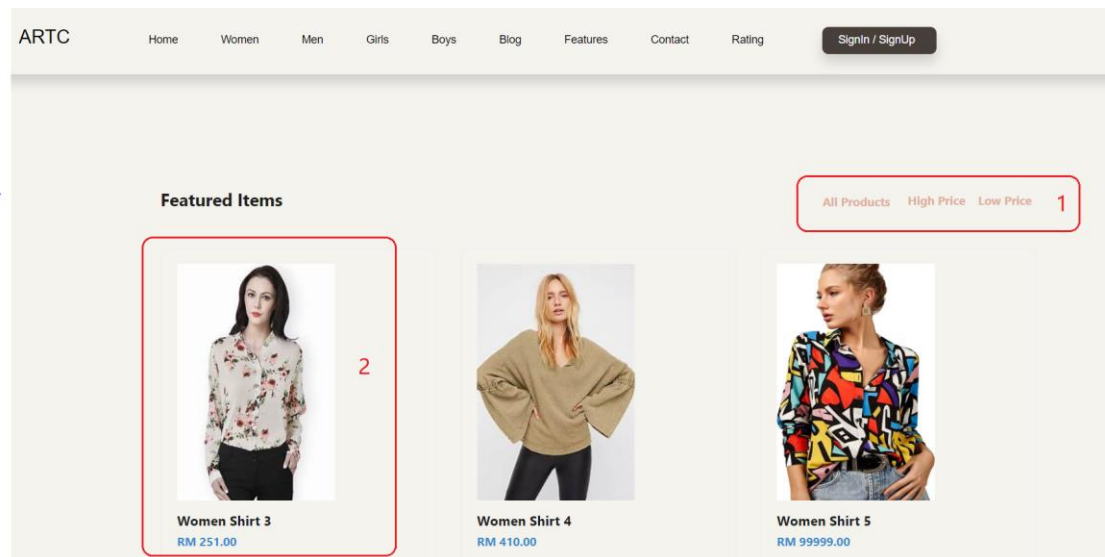


Figure 4.1.9 Product List page

1. Let users sort the products by from the highest price to the lowest price or from lowest price to highest price and the “All products” button will let users reset the sorting.
2. If users are not login to their account, after they click on the products , it will redirect them to the Sign-In page (Figure 4.1.2) to ask for login first. Otherwise , if the users already login to their account , they will redirect to the Product Details Page (Figure 4.1.10) to look for product details.

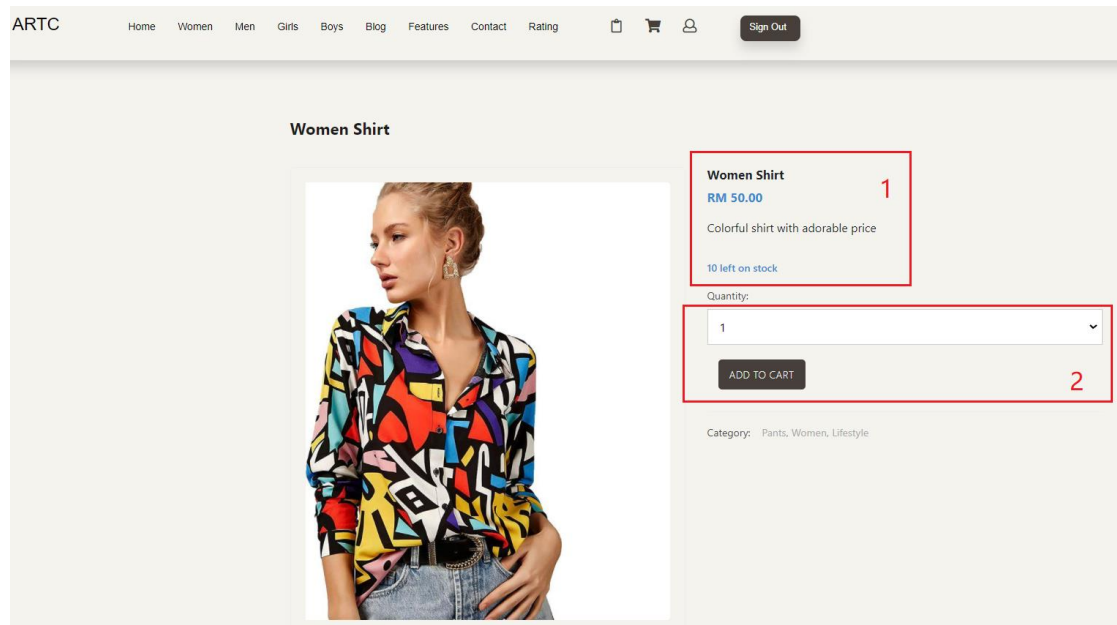


Figure 4.1.10 Product Details page

1. Product's details will be displayed such as product's name , price , information, and product's stock. Product stock will decrease if the user adds it to the cart and when the user removes the product from the cart , the quantity will add back to the product stock.
2. Let users choose the quantity they want to buy from 1 to 5 for the product. After that , if the user clicks on the “Add to Cart” button , it will redirect them to the Shopping Cart page (Figure 4.1.11).

ARTC Home Women Men Girls Boys Blog Features Contact Rating Sign Out

Shopping Cart

Order Details

Item Name	Quantity	Price	Total	Action
Women Shirt	1	RM 50.00	RM 50.00	1 Remove
Total			RM 50.00	

Billing Address

Full Name
Please Fill In Your Name

Email
Please Fill In Your Email

Address
Please Fill In Your Full Address

Phone
Please Fill In Your Phone Number

Payment

Payment Type

☒ ONLINE PAYMENT

Please Do A Transaction To This Account Number

Bank Name : CIMB BANK
Bank Account Number : 123456789

Thank You

Checkout 2

Figure 4.1.11 Shopping Cart page

1. Let users remove unwanted items from the shopping cart.
2. Let users check out for their shopping cart and it will redirect them to the Order Confirmation page (Figure 4.1.12) after they filled in all the required information.

ORDER SUMMARY

Billing Details
Full Name : Customer Name
Email : email@email.com
Address : customer address 123
Phone : 0123456789

Order Details
Order Time:
2021-11-23 22:38:00

Product Quantity	Product Name	Product Price
1	Women Shirt	RM50.00

Total : RM 50.00

Payment
Payment Type:
ONLINE PAYMENT
Please Do A Transaction To This Account Number
Bank Name : CIMB BANK
Bank Account Number : 123456789

Proceed

1

Figure 4.1.12 Order Confirmation page

1. Let users check the items they want to buy , their billing address and let users do their transaction manually before clicking the proceed button which will redirect them to the Upload Transaction Page (Figure 4.1.13) .

Figure 4.1.13 Upload Transaction page

1. Let users choose the file they wish to upload , only png , jpg , jpeg and pdf files are accepted.
2. When users click on the submit button , it will redirect them to the processing page which will show users that their order is successfully made or not.

Order ID	Created	Status	Total			
26	2021-11-23 22:38:00	Unpaid	RM 50.00	View	Pay	Remove
25	2021-11-23 19:14:29	Paid	RM 661.00	View		
21	2021-11-22 11:27:02	Unpaid	RM 661.00	View	Pay	Remove
18	2021-11-19 16:47:48	Paid	RM 251.00	View		
24	2021-11-19 12:35:27	Paid	RM 251.00	View		
23	2021-11-19 12:29:43	Paid	RM 251.00	View		

Figure 4.1.14 User Order List page

1. All the orders that users made will be shown here, and users are able to manage their order at this page. Order with unpaid status will be automatically deleted after 48 hours.
2. Users can also view their order's information with the "View" button. Besides that , only user's unpaid orders can pay after they clicked on "Pay" button or remove their order after clicking on "Remove" button.

3. If users click on the “Pay” button , it will redirect them to the Order Confirmation Page (Figure 4.1.12).
4. If users click on the “ View” button , it will redirect them to the View Order Page (Figure 4.1.15).

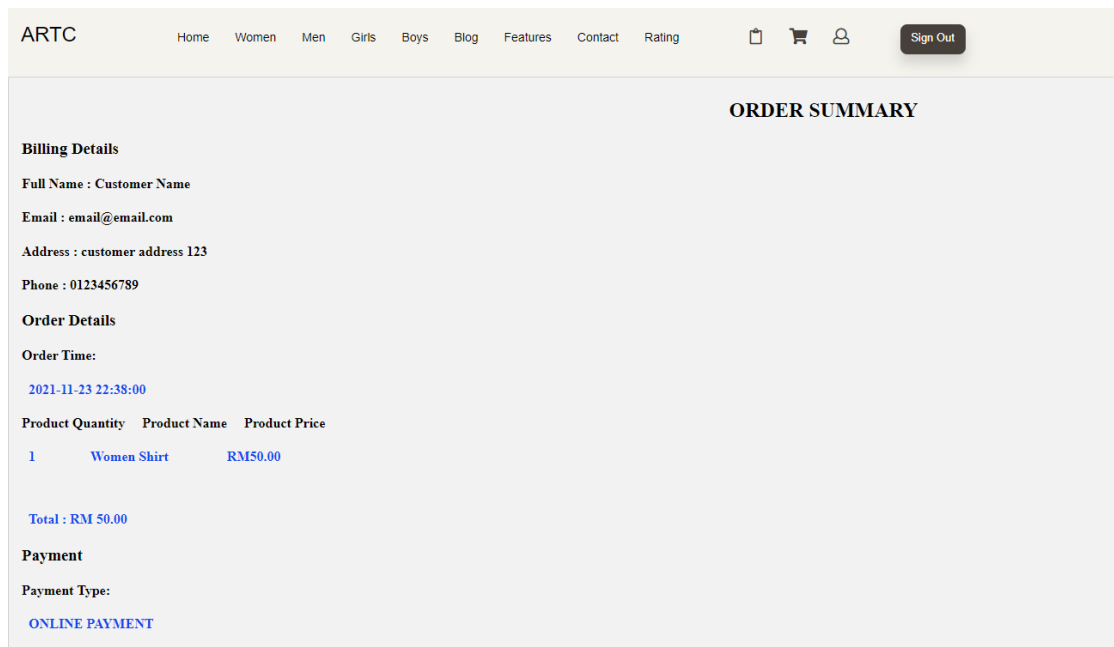
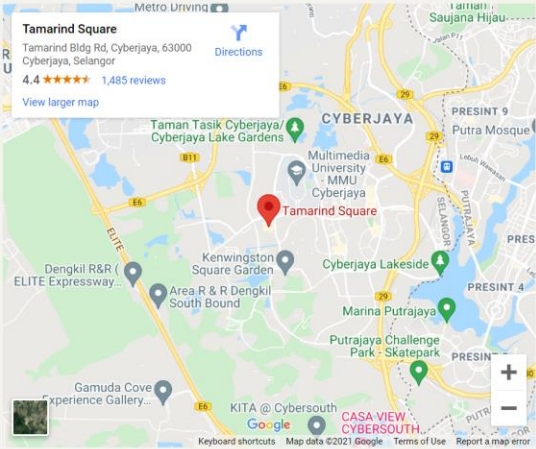


Figure 4.1.15 View Order page

1. View the specific order’s information for the users after they click on the “View” button on the User Order List page (Figure 4.1.14).

ARTC
Home Women Men Girls Boys Blog Features Contact Rating
Sign Out

Contact Us
If you have any inquiry!



Name
Contact Number
Format: 123-456-7890
Email
Subject

BLOG
"Location"
"Phone"
"Email"

MY ACCOUNT
My Account
Login
My Cart
Wishlist
Checkout
Track Order
User Info

INFORMATION
Blog
Delivery Information
Privacy Policy
Terms & Conditions
New Products




SUPPORT
Contact Us
FAQ

NEWSLETTER
SUBSCRIBE TO OUR NEWSLETTER

+60 18-293 6294
info@artc.com

Figure 4.1.16 Contact Page

The user types in the required information, then clicks on the submit button to send their complaint or questions.

ARTC[Home](#)[Women](#)[Men](#)[Girls](#)[Boys](#)[Blog](#)[Features](#)[Contact](#)[Rating](#)[Sign Out](#)

Give us your Comments and rating

Your comments and suggestions will be greatly appreciated..

[Send](#)

View Ratings and Comments :-

Email :
raisa@gmail.com

Comment :
Good product!!

Rating :
4/5

Email :
ayat@gmail.com

Comment :
Great website

Rating :
3/5

BLOG
"Location"
"Phone"
"Email"

MY ACCOUNT
My Account
Login
My Cart
Wishlist
Checkout
Track Order
User Info

INFORMATION
Blog
Delivery Information
Privacy Policy
Terms & Conditions
New Products

SUPPORT
Contact Us
FAQ








NEWSLETTER
SUBSCRIBE TO OUR NEWSLETTER

 +60 18-293 6294  info@artc.com
   

Figure 4.1.17 Rating Page

The user key in their name, email, rating, and their comments regarding the
Faculty of Computing and Informatics

website. To send their comments and ratings the user will click on the send button. Also, the users can view the ratings and comments under “View Ratings and Comments” section.

Admin Module

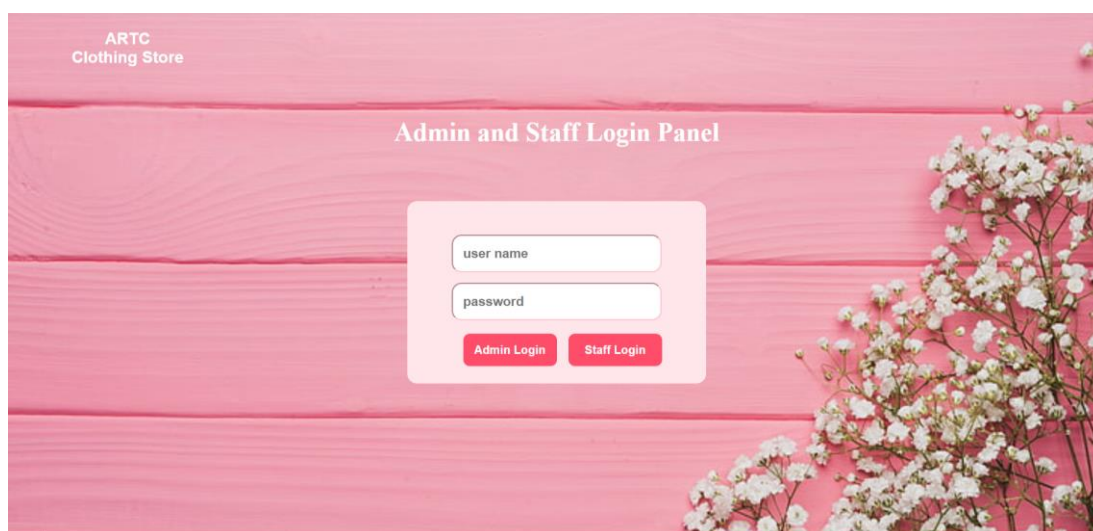


Figure 4.2.1: Admin & Staff Login Page

This is the admin and staff login page for the system. Admin can log in by providing the Username and Password which is already set on the database. And for staff, they can log in by the username and password admin provides for them.

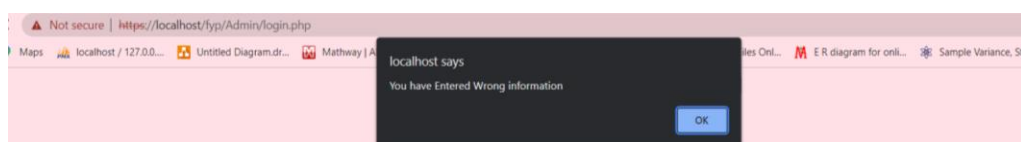


Figure 4.2.2: Alert for providing wrong username & password

If the admin provides the wrong username and password this alert will be shown. Also if staff use another username or password without the specific data provided by the admin it will not log in and will show this alert.

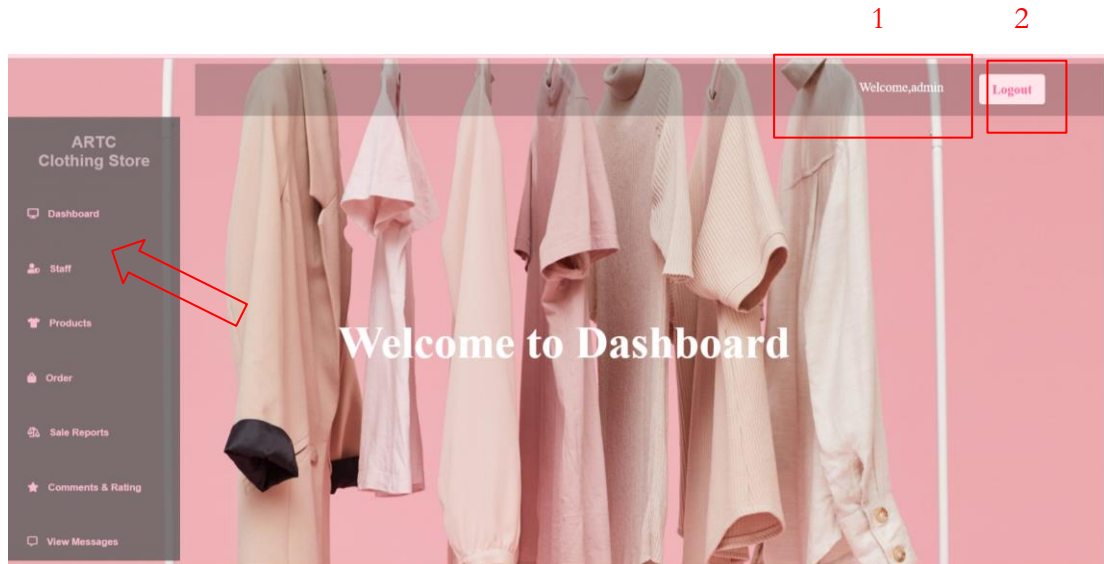


Figure 4.2.3: Dashboard after successful login

This shows the dashboard for admin and staff after they successfully logged in. The first box at the top right corner will mention the username of the admin or staff who is logged in. Also, the right next box indicating the logout button, which will take admin/staff to the login page.

The arrow on the left side of the image is showing the navigation bar. From this admin can manage staff, products, order, can view sales reports, comments, rating, and messages from the user page. Staff can also manage and view the pages.

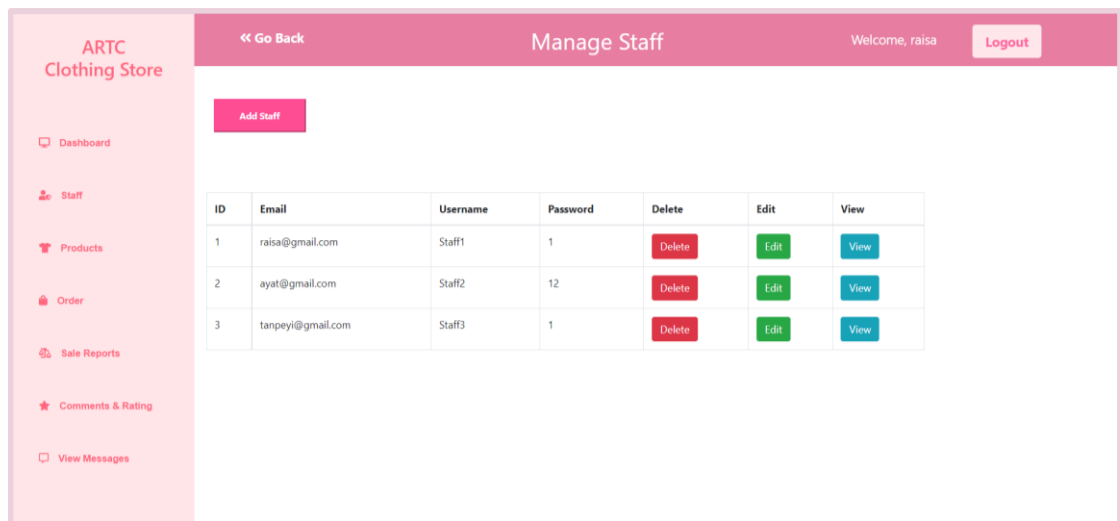


Figure 4.2.4: Staff Main Page

This page contains add, delete, edit, and view features for staffs. Admin can manage staff as well as staffs can manage their information too. But staffs cannot manage admins data.

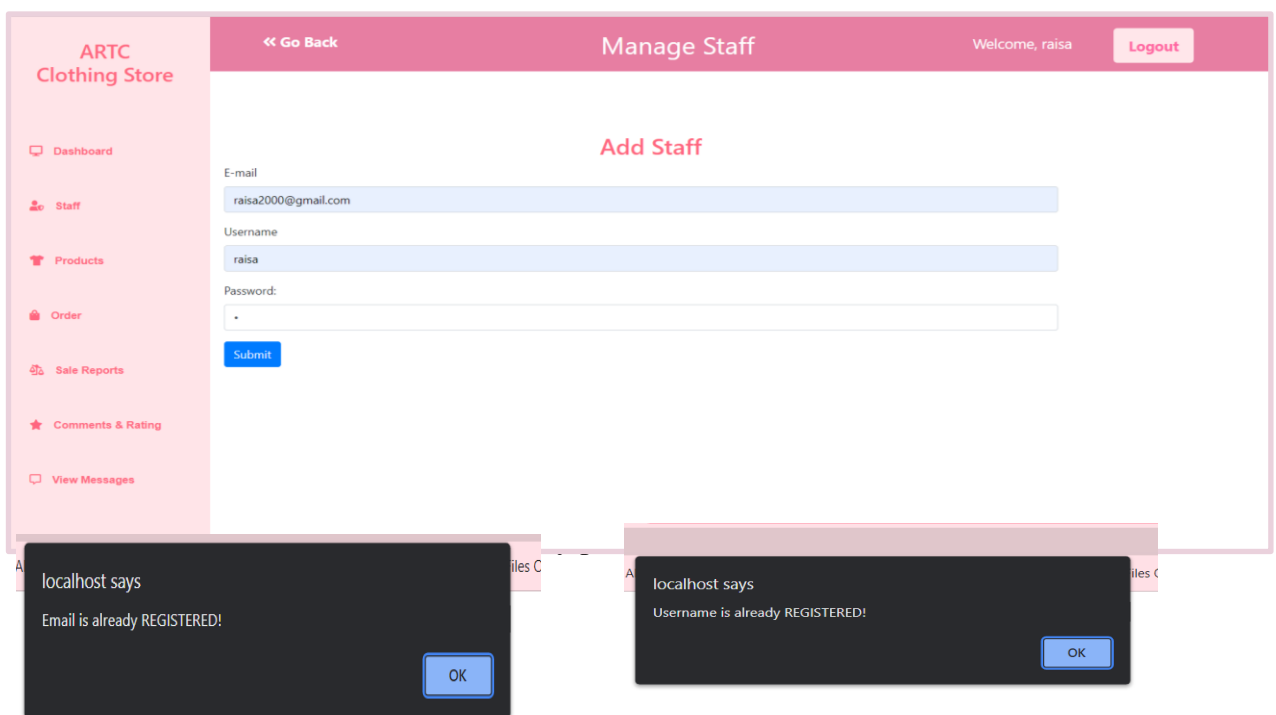


Figure 4.2.6: Alert box for staff add

If the email or username already exists in the database, the page will not take the email or username for registration. It will show an alert that “Email is already REGISTERED” AND “Username is already REGISTERED” and will redirect them to add staff page again.

ARTC Clothing Store

Dashboard Staff Products Order Sale Reports Comments & Rating View Messages

Manage Staff

Welcome, raisa Logout

Go Back

Edit Staff

E-mail
raisa@gmail.com

Username
Staff1

Password:
*

Submit

Figure 4.2.7: Staff edit pages

Admin can edit staff information from this page, if an already registered email or username is entered it will again show the alert just mentioned above for the staff add page.

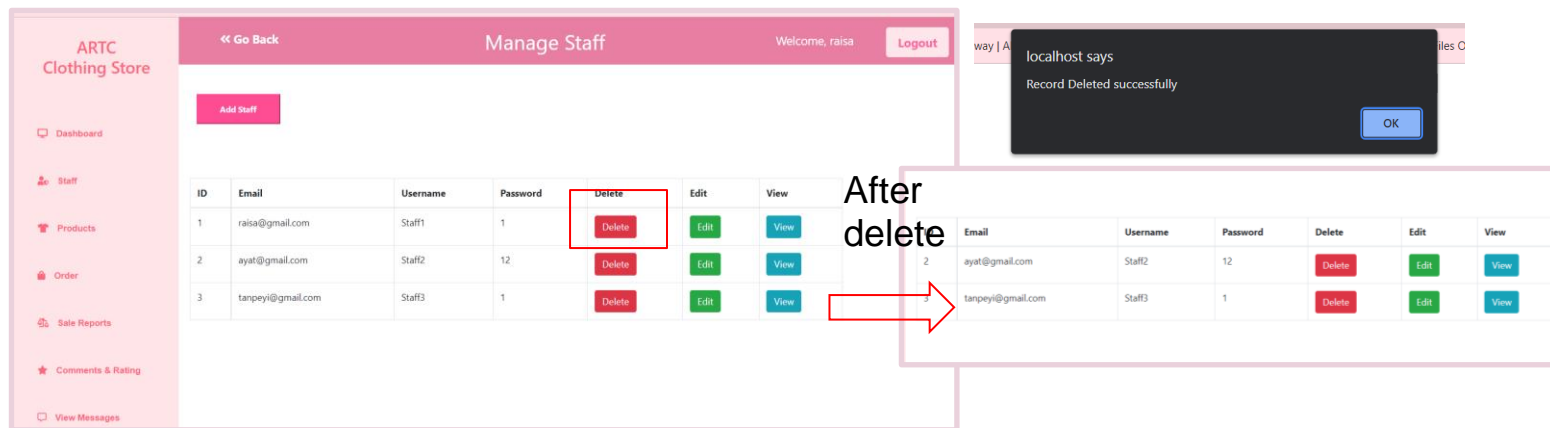


Figure 4.2.8: Staff main page

From this page if the button DELETE is clicked, the data for that staff will be deleted. And an alert box will be shown mentioning “Record deleted successfully.”

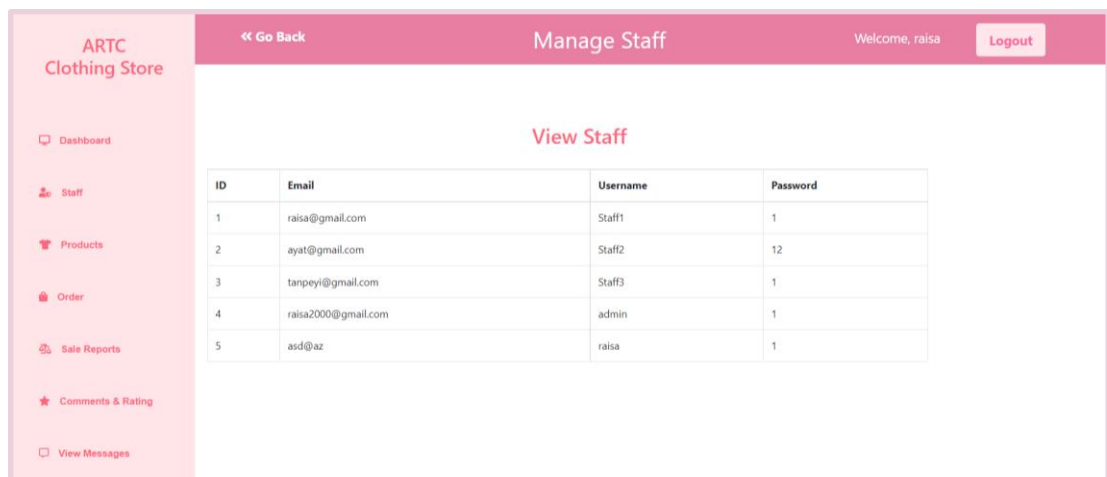


Figure 4.2.9: Staff view pages

This page is to view all the staff's information. The button VIEW in the managed staff page will redirect to this page.

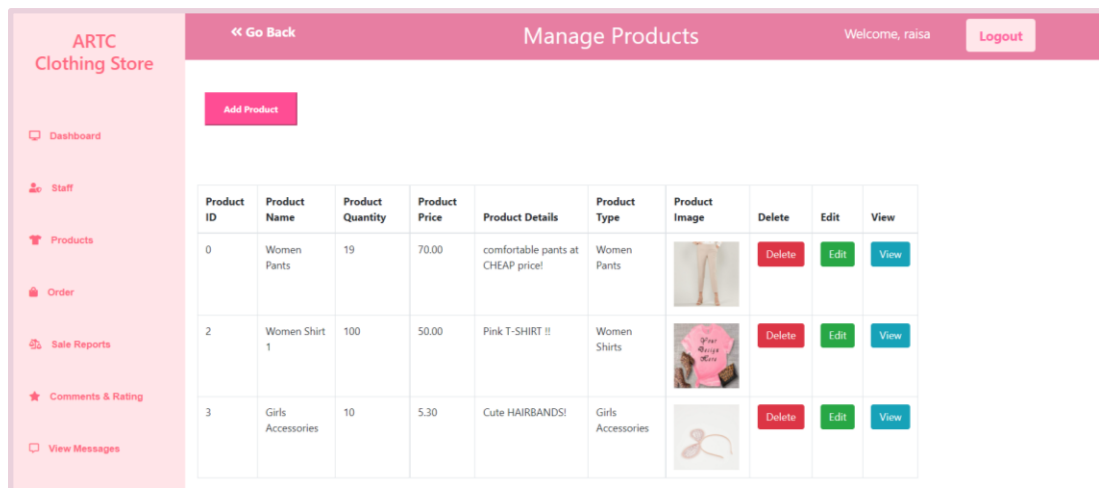


Figure 4.2.10: Products main page

From this page admin can add products to the user page , delete products, edit products, and view specific products which they want to.

Add Product

Product Name:

Product Quantity:

Product Price:

Product Detail:

Product Image:

Product Type:

Figure 4.2.11: Add product page

Admin can add products by providing product name, quantity, price, product details, product images and the type of product. For the product type all

categories are mentioned on the drop-down menu.

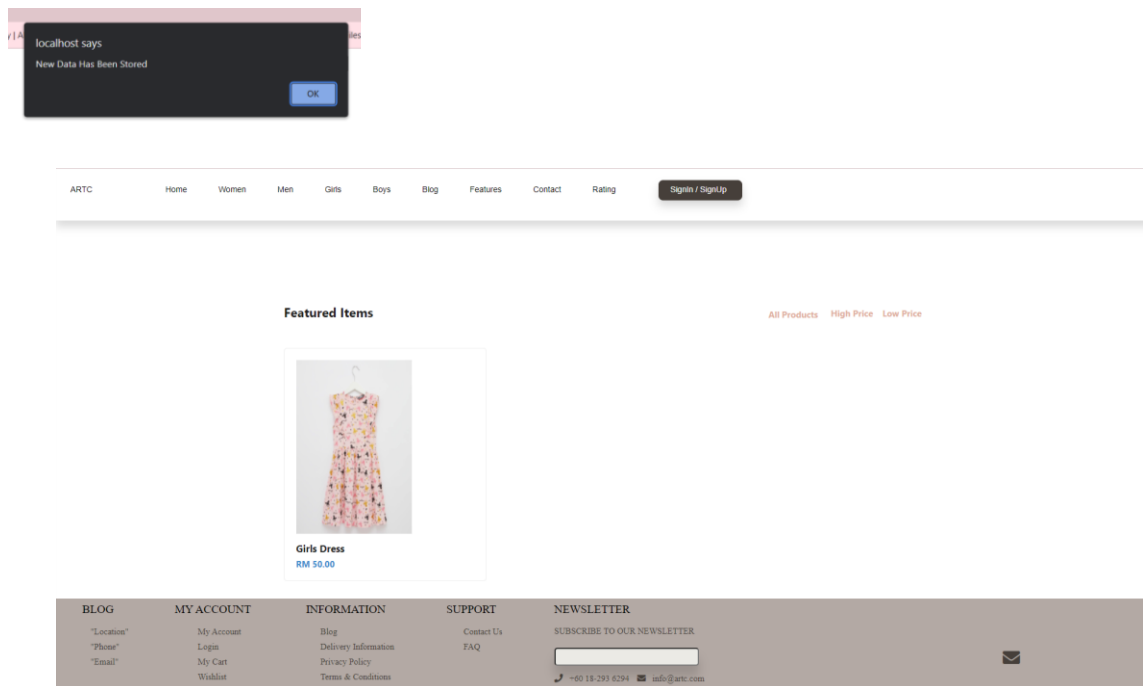


Figure 4.2.12: Users Product Page

After the submit button is clicked from the admin's add product page, the alert will be shown "New Data has been Stored" and the product will be displayed on the user page.

The screenshot shows the 'Manage Product' page with a sidebar on the left containing links: Dashboard, Staff, Products, Order, Sale Reports, Comments & Rating, and View Messages. The main content area is titled 'Edit Product' and contains a form for editing a product. The form fields are: Product Name (Girls Dress), Product Quantity (15), Product Price (\$0.00), Product Detail (comfortable and fashionable dress for girls), Product Image (Choose File), and Product Type (Girls Dress). A 'Submit' button is located at the bottom of the form.

Figure 4.2.13: Products Edit Page

Admin can edit any product information from this page by providing products name, quantity, price, details, images, and type. After providing all the information the product will be updated in the user product page again.

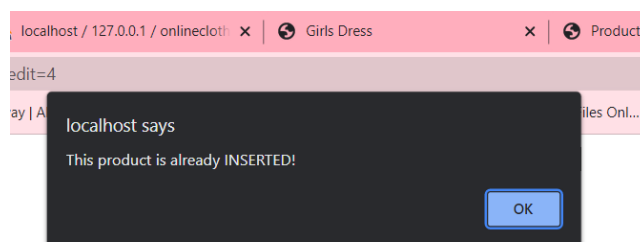


Figure 4.2.14: Alert for Add and Edit Product

But if the admin tries to add / edit products which are already inserted in the user page then it will not add again and will show an alert mentioning “This product is already INSERTED!”.

The screenshot shows the 'Manage Products' page of the ARTC Clothing Store. A confirmation dialog box is displayed, stating 'Record Deleted successfully' with an 'OK' button. Below the dialog, a table lists products with columns: Product ID, Product Name, Product Quantity, Product Price, Product Details, Product Type, Product Image, Delete, Edit, and View. A red arrow points from the 'Delete' button of the first product (Product ID 0) to the 'After delete' text.

Product ID	Product Name	Product Quantity	Product Price	Product Details	Product Type	Product Image	Delete	Edit	View
0	Women Accessories	19	1.50	Hair Bands at cheapest RATE	Women Accessories		Delete	Edit	View
2	Women Shirt 0	17	70.00	nice	Women Shirts		Delete	Edit	View
4	Girls Dress	19	50.00	comfortable and fashionable dress for girls!	Girls Dress		Delete	Edit	View
5	Boys Shirt	72	25.00	T-SHIRT for Boys !!	Boys Shirts		Delete	Edit	View

Figure 4.2.15: Delete Product

When the admin deletes products from the main page, “Record Deleted Successfully” will pop out and the product will be deleted.

The screenshot shows the 'View Products' page of the ARTC Clothing Store. It displays a single product with the following details:

Product ID	Product Name	Product Quantity	Product Price	Product Detail	Product Image
1	Hair Bands	19	2.20	Hair bands with a smooth matte finish offers a secure grip!	

Figure 4.2.16: View Product

When the admin clicks the VIEW button from the product main page, the specific product will be viewed along with the details.

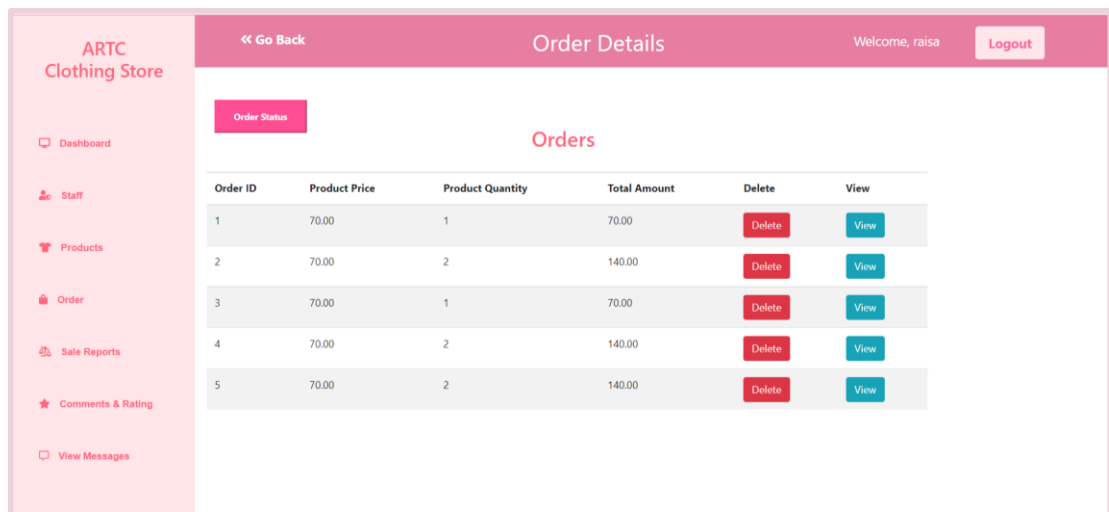


Figure 4.2.17: Order Main Page

If a customer places an order from the user pages, it will be shown in the admin page. Admin can delete the order and view the order as well. Also, by clicking the order status button they can change the status for the order in the user page.

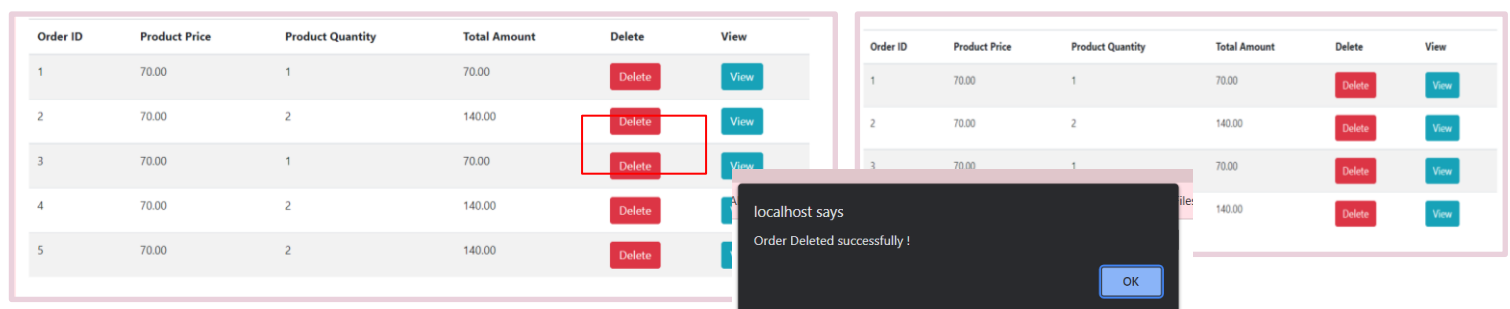


Figure 4.2.18: Order Delete

If the admin or staff wishes to delete any order, they can click on the DELETE button from the order main page and the order will be deleted with a message that “Order deleted successfully”.

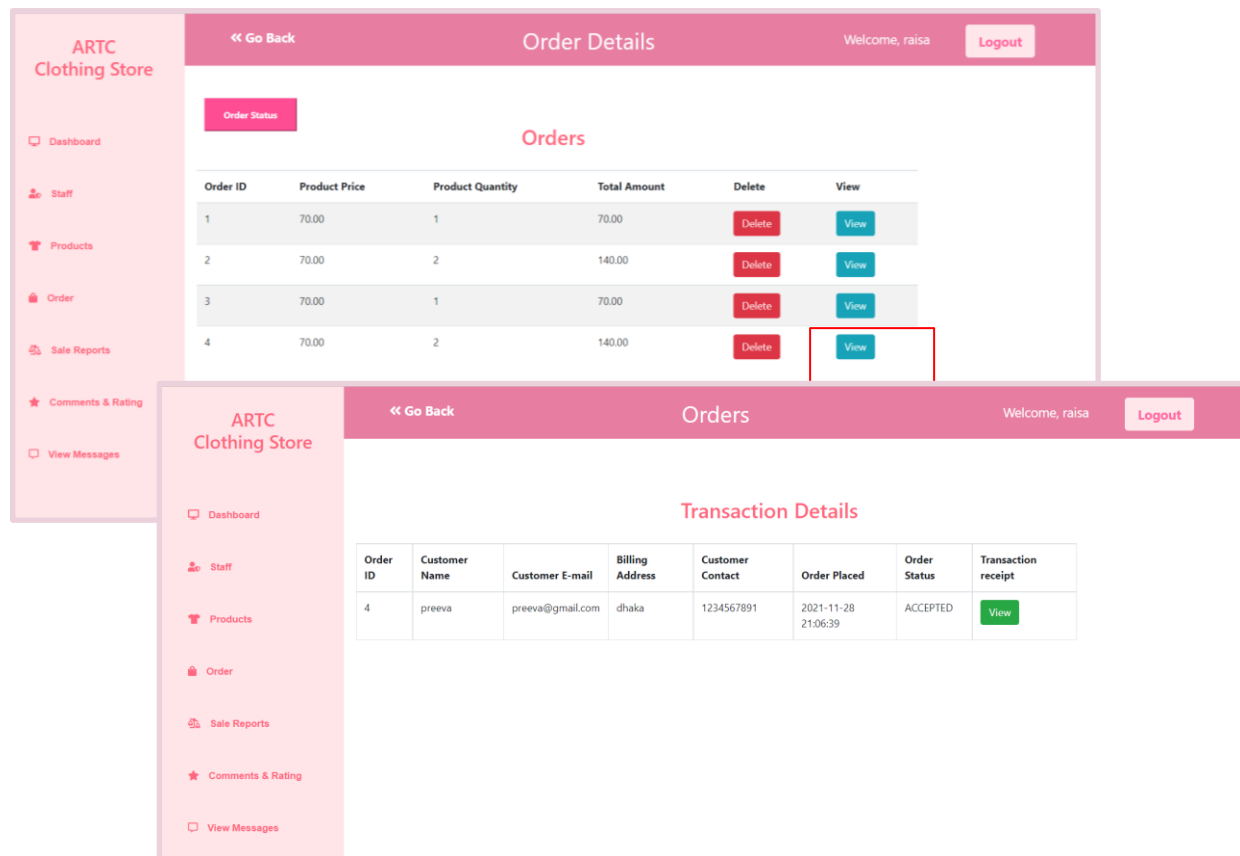


Figure 4.2.19: Order View Page

If the admin clicks on the VIEW button from the order main page it will take them to the view page where the admin can see the information of the customers and order status and also the transaction receipt for a specific order they clicked for.

The top screenshot shows the 'Orders' page in the ARTC Clothing Store admin interface. The page has a sidebar with navigation links: Dashboard, Staff, Products, Order, Sale Reports, Comments & Rating, and View Messages. The main content area is titled 'Transaction Details' and contains a table with the following data:

Order ID	Customer Name	Customer E-mail	Billing Address	Customer Contact	Order Placed	Order Status	Transaction receipt
1	raisa	raisa@gmail.com	dhaka	1234567891	2021-11-24 14:41:22	PAID	View

The bottom screenshot shows the 'Transaction Receipt' page. It displays a receipt for a refund transaction. The receipt text is as follows:

```
===== TRANSACTION RECORD =====
Testing Terminal
, AL
United States

TYPE: Refund
ACCT: Visa $ 10.00 USD

CARDHOLDER NAME : DWS
CARD NUMBER      : #####1111
DATE/TIME        : 20 Jan 17 19:25:56
REFERENCE #      : 001 000002 M
AUTHOR. #        : RETURN
TRANS. REF.      :

Approved - Thank You 100

Please retain this copy for your records.
```

Figure 4.2.20: Transaction Receipt page

From the customer and transaction detail page, if the admin clicks on the VIEW button it will show them the transaction receipt was uploaded from the user page, when the customer placed the order and confirmed the payment.

ARTC
Home Women Men Girls Boys Blog Features Contact Rating
Sign

ORDER LIST

Order with unpaid will be delete after 48 hours

Order ID	Created	Status	Total	
4	2021-11-24 14:45:42	Accepted	RM 140.00	View
3	2021-11-21 01:08:24	Completed	RM 70.00	View
2	2021-11-21 00:14:13	On Delivery	RM 140.00	View
1	2021-11-21 00:12:57	Paid	RM 70.00	View

BLOG

"Location"

"Phone"

"Email"

MY ACCOUNT

My Account

Login

My Cart

Wishlist

Checkout

Track Order

User Info

INFORMATION

Blog

Delivery Information

Privacy Policy

Terms & Conditions

New Products

SUPPORT

Contact Us

FAQ

NEWSLETTER

SUBSCRIBE TO OUR NEWSLETTER

+60 18-293 6294 info@logo.com

ARTC Clothing Store

Dashboard
Staff
Products
Order
Sale Reports
Comments & Rating
View Messages

Go Back

Order Details

Welcome, raisa Logout

Order Status

Order ID

2

Order Status

Completed
Unpaid
Paid
Order Rejected
Order Accepted
On Delivery
Completed

Order ID	Created	Status	Total	
4	2021-11-24 14:45:42	Accepted	RM 140.00	View
3	2021-11-21 01:08:24	Completed	RM 70.00	View
2	2021-11-21 00:14:13	Completed	RM 140.00	View
1	2021-11-21 00:12:57	Paid	RM 70.00	View

Figure 4.2.21: User Track Order & Admin

If the admin changes order status from the admin panel it will automatically show into the user order tracking page by fetching the data from the database.

Figure 4.2.22: User contact us page & Admin View Message

ARTC
Clothing Store

Dashboard

Staff

Products

Order

Sale Reports

Comments & Rating

View Messages

<< Go Back

View Messages

Welcome, admin

Logout

Messages

Customer Name	Contact	Customer E-mail	Messages
RAISA	234-111-1210	raisa2000@gmail.com	Hello, i want to know about your office location.
raisa	123-456-7890	raisa@gmail.com	Can you say more details about your product?

When any user or any visitors visit the website, they can contact us by providing their name, contact number, email address and the message or subject of the topic. When they click the submit button a popup is shown mentioning “Your inquiry is successfully sent” the information will be sent to the database and then to the admin's message page.

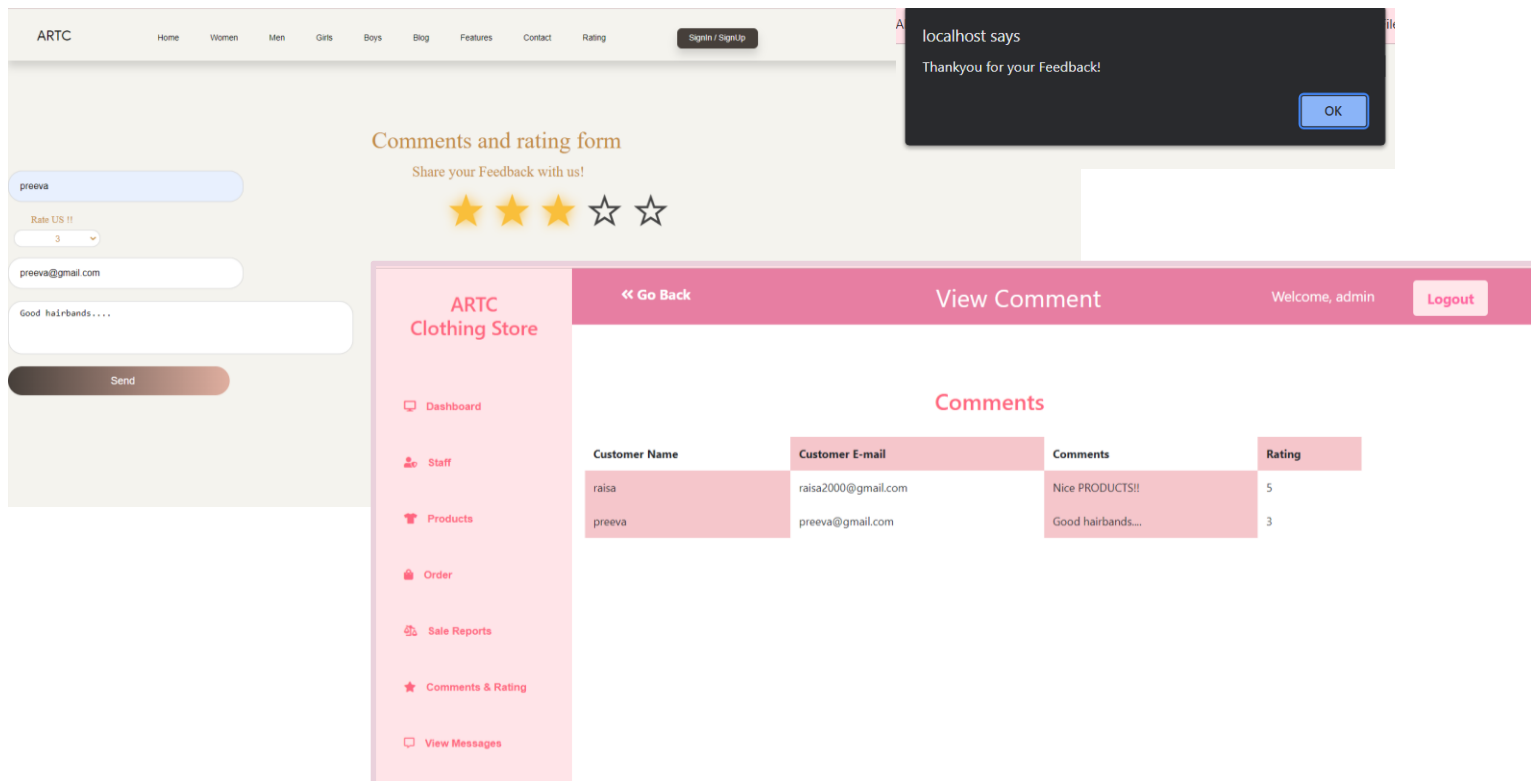


Figure 4.2.23: User Rating page & Admin

If the user, visitor or any customer wants to rate our website or system, they will go to rating page of the website and then fulfil the Name, Email, Rate (from the drop-down button 1-5) and comments. When they click the SEND button alert will come up “Thank You for your Feedback!” and it will be saved on database. Admins comment and rating page will fetch data from the database and can see the details of the commenter and the ratings.



Figure 4.2.24: Sales Report page

Sales report will show the total sell for per day how much products were sold.
Summary of the total sell by day.

Part V:

System Testing

System Testing

User :

<i>Test ID</i>	<i>Test Case</i>	<i>Expected Result</i>	<i>Actual Result</i>	<i>Status</i>
1	Sign-In: Enter valid Email and valid Password. Click the “Sign-In” button.	<ul style="list-style-type: none"> • Users should be able to Sign-Into the system. • The system should display a landing page with the three exart icons including order list, cart and profile. 	<ul style="list-style-type: none"> • Users are able to Sign-In. • Landing page three exart icons including order list, cart and profile. 	Pass
2	Sign-In: Enter invalid Email and invalid Password. Click the “Sign-In” button.	<ul style="list-style-type: none"> • Users should not be able to Sign-Into the system. 	<ul style="list-style-type: none"> • Users should not be able to Sign-Into the system. 	Pass
3	Sign-In (keep me login): If the user clicks on, keep me Sign-In.	<ul style="list-style-type: none"> • Users have one hour before it signs-out. 	<ul style="list-style-type: none"> • Users have one hour before it signs-out. 	Pass
4	Sign-In (keep me login): If the user didn’t click on, keep me Sign-In.	<ul style="list-style-type: none"> • Users have one minutes before it signs-out. 	<ul style="list-style-type: none"> • Users have one minutes before it signs-out. 	Pass
5	Sign-Up: Enter valid Email, first name, Last name, valid Username, valid phone number, password. Click the “Sign-Up” button.	<ul style="list-style-type: none"> • Users should be able to create an account if they key in all the required information. • Also, the 	<ul style="list-style-type: none"> • Users should be able to create an account if they key in all the required information. 	Pass

		username, email and phone number should be unique.	<ul style="list-style-type: none"> • Iso, the username, email and phone number should be unique. 	
6	Sign-Up: Enter invalid Email, first name, Last name, invalid Username, invalid phone number, password. Click the “Sign-Up” button.	<ul style="list-style-type: none"> • Users shouldn’t be able to create an account. 	<ul style="list-style-type: none"> • Users shouldn’t be able to create an account. 	Pass
7	Contact: Users/Visitors types in all the required information (name, email, phone number and complaint).Click the “Submit” button.	<ul style="list-style-type: none"> • Users/Visitors should be able to submit their complaint. 	<ul style="list-style-type: none"> • Users/Visitors should be able to submit their complaint. 	Pass
8	Contact: Users/Visitors didn’t type in all the required information (name, email, phone number and complaint).Click the “Submit” button.	<ul style="list-style-type: none"> • Users/Visitors shouldn’t be able to submit their complaint. 	<ul style="list-style-type: none"> • Users/Visitors shouldn’t be able to submit their complaint. 	Pass
9	Ratings: Users/Visitors keys in all the required information (name, email, comments, and ratings).Click the “Send” button.	<ul style="list-style-type: none"> • Users/Visitors should be able to send their comments and ratings. 	<ul style="list-style-type: none"> • Users/Visitors should be able to send their comments and ratings. 	Pass
10	Ratings: Users/Visitors didn’t key in all the required information (name, email, comments, and ratings).Click the “Send” button.	<ul style="list-style-type: none"> • Users/Visitors shouldn’t be able to send their comments and ratings. 	<ul style="list-style-type: none"> • Users/Visitors shouldn’t be able to send their comments and ratings. 	Pass
11	Edit Profile: Users type in valid	<ul style="list-style-type: none"> • Users should be able to 	<ul style="list-style-type: none"> • Users should be able to 	Pass

	username, valid email, first name, last name, valid phone number, address, and password.	update/edit their profile.	update/edit their profile.	
12	Edit Profile: Users didn't type in valid username, valid email, first name, last name, valid phone number, address, and password.	<ul style="list-style-type: none"> Users shouldn't be able to update/edit their profile. 	<ul style="list-style-type: none"> Users shouldn't be able to update/edit their profile. 	Pass
13	View Product: If users do not sign in their account	<ul style="list-style-type: none"> Users will proceed to sign in page 	<ul style="list-style-type: none"> Users will proceed to sign in page 	Pass
14	View Product: If users already sign in their account	<ul style="list-style-type: none"> Users able to view the product's details and add into cart 	<ul style="list-style-type: none"> Users able to view the product's details and add into cart 	Pass
15	Cart Proceed: Users didn't key in all the required information (name , email , address , phone , payment type)	<ul style="list-style-type: none"> Users shouldn't be able to proceed with their cart. 	<ul style="list-style-type: none"> Users shouldn't be able to proceed with their cart. 	Pass
16	Cart Proceed: Users key in all the required information (name , email , address , phone , payment type)	<ul style="list-style-type: none"> Users are able to proceed with their cart. 	<ul style="list-style-type: none"> Users are able to proceed with their cart. 	Pass
17	Upload Transaction: Users upload file types which are not JPG , PNG , JPEG or PDF.	<ul style="list-style-type: none"> Users shouldn't be able to upload their transaction receipt. 	<ul style="list-style-type: none"> Users shouldn't be able to upload their transaction receipt. 	Pass
18	Upload Transaction: Users upload file types which are JPG , PNG , JPEG or PDF.	<ul style="list-style-type: none"> Users should be able to upload their transaction receipt. 	<ul style="list-style-type: none"> Users should be able to upload their transaction receipt. 	Pass

Table 5.1.1 : User System Table

Admin :

<i>Test ID</i>	<i>Test Case</i>	<i>Expect Result</i>	<i>Actual Result</i>	<i>Status</i>
1	Admin Login: Enter valid username and password. Click “Admin Login” button	1)Admin should be able to login the system. 2) System should show a dashboard with the name of the admins username.	1) Admin logged in successfully. 2) Dashboard is shown after logged in with their username.	Pass
2	Admin Login: Enter invalid username and password. Click “Admin Login” button	Admin should not be able to login the system. Alert will be pop up that “You have entered wrong information”.	Admin could not log in successfully and an alert was shown.	Pass
3	Staff Login: Enter valid username and password. Click “Staff Login” button	1)Staff should be able to login to the system. 2) System should show a dashboard with the name of the staff's username.	1) Staff logged in successfully. 2) Dashboard is shown after logged in with their username.	Pass
4	Staff Login: Enter invalid username and password. Click “Staff Login” button	Staff should not be able to login the system. Alert will pop up that “You have entered wrong information”.	Staff could not log in successfully and an alert was shown.	Pass

5	Staff Add: Staff can be added by providing the email, username, and password.	Staff should be able to login to the system after that.	Staff can log in	Pass
6	Staff Add: Enter the registered username or email to add staff.	Staff should not be able to login to the system after that and also cannot be registered.	Staff can't be registered or login the system.	Pass
7	Staff edit: Enter new username, email to edit the staff.	Admin/Staff should be able to edit if they use a new email or username.	Admin/Staff can edit using new email and username.	Pass
8	Staff edit: Enter existence username, email to edit the staff.	Admin/Staff should not be able to edit if they use registered email or username.	Admin/Staff cannot edit using registered email and username.	Pass
9	Product Add: Product can be added using new name, images. And other information like quantity, category, price, details is a required option.	Admin should be able to add new product on user page if they use new name and images for every product,	Admin can add products on the user page.	Pass
10	Product Add: Product cannot be added using already uploaded name, images. And other information like quantity, category, price, details is a required option.	Admin should not be able to add new product on user page if they use already registered name and images for every product.	Admin cannot add products on the user page.	Pass
11	Product Edit: Product	Admin should be able	Admin can update	Pass

	can be edited using new images.	to update products on the user page if they use new update images for products.	products on the user page.	
12	Product Edit: Product cannot be edited using old images.	Admin should not be able to update products on the user page if they use old images for products.	Admin cannot update products on the user page.	Pass

Table 5.1.2 : Admin System Table

Part VI:

Conclusion

Conclusion

In summary, our online clothing system has reached what we expected previously. As we mentioned before for our project objectives , we had improved the website layout to make it simpler and more professional. Besides that , we make sure the categories are easier to navigate to provide more user friendly for the users while they visit our website. We had also let the users leave their review and ratings on our website.

In addition , we had also met all the requirements features that we had mentioned in our project scope. Which are included with , let users sign in and sign up , products can be sorted by high to low price or low to high price , users can leave their review and ratings on our website, and they can contact admin if they have any inquiries. Users will also need to do their payment transaction with online banking manually and upload the transaction receipt for admin to verify.

In conclusion, although our online clothing system met what we expected previously , there are some future enhancements that could be implemented on this online clothing system to make it more user friendly for users or admin and reduce the workload for admin when they are planning to have an ecommerce platform.

Future Enhancements

There is a scope for future enhancements for this web development project. We can add a wishlist where the users will be able to add their favorite items. Also, to add ratings and reviews for clothing items and users/visitors and admin would be able to reply to those comments.

Part VII:

References

List of URL addresses, reference books or bibliography entries

Simple Dropdown Menu Bar using only HTML & CSS

<https://www.youtube.com/watch?v=960mgtEarfs>

Image Slider - With Auto-play & Manual Navigation Buttons - Using CSS, HTML & JavaScript

<https://www.youtube.com/watch?v=0wvrlOyGlq0>

Login system with cookies using PHP and MYSQL database

<https://technosmarter.com/php/PHP-login-with-cookies-set-cookie-and-delete-cookies.html>

<https://youtu.be/IcFipb36mMU>

Insert , edit, delete, update data php sql - DATABASE TUTORIAL

<https://www.yesstyle.com/en/home.html>

For product images

Part VIII:

Appendix

Appendix A: Meeting minutes

Date	Time	Duration
24 August	3:00 pm	1 hour 30 minutes
3rd September	2:30pm - 3:00 pm	30 minutes
9th November	2:15pm	1 hour 21 minutes
16th November	3:00pm	1 hour
24th November	3:00pm	2 hours 20 minutes

Table 7.1 : Meeting Minutes Table

Appendix B: Client/Server Setup Guide

User Manual

- Hardware configuration or setup-
CPU with any processor
RAM: 2GB or more
Database space
- Installation Procedure
Install XAMPP
Connect Apache and Database
IMPORT the database from “Database folder” to phpMyAdmin.
- System Integration Manual
Go to **C:** drive. Click on **XAMPP**, then click on **htdocs**. In this htdocs folder create a folder called **fyp** , copy and paste all the files into this folder.
Open any browser
Type the URL: <http://localhost/fyp/user>

Administrator Manual

- Hardware configuration or setup-
CPU with any processor
RAM: 2GB or more
Database space
- Installation Procedure
Install XAMPP
Connect Apache and Database
IMPORT the database from “Database folder” to phpMyAdmin.
- System Integration Manual
Go to **C:** drive. Click on **XAMPP**, then click on **htdocs**. In this htdocs folder create another folder called **fyp**.
Open any browser
Type the URL: <http://localhost/fyp/Admin>