

Server-Side Programming

Project Report

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COS10026 Computing Technology Inquiry Project

I. Introduction :

A. Objective of the report :

The purpose of this report is to provide a comprehensive overview of the progress achieved in improving and extending the capabilities of the website we developed in Assignment 1. This report outlines the objectives, methods involving PHP server-side embedded scripting with access to a separate MySQL database server, accomplishments, and challenges encountered throughout this project's further development.

Additionally, our Group 1 can also effectively communicate the status of the project, pinpoint areas requiring enhancement, and ensure that all tutors are well-informed and aligned with our project's targets and aims.

B. Outline of the report's structure :

I. Introduction :

A. Objective of the report :

B. Outline of the report's structure :

II. The Website :

A. Website introduction :

B. Main functionalities of the website, including screenshots :

C. Technical details on the website development :

D. Highlight the key/innovative features of the website :

III. Your Contribution :

IV. Reflection and Discussion :

A. Reflections on my experience regarding professional purpose, teamwork, and effective communication in this project :

B. Discussions on one of the following web development-related issues:

V. Conclusion :

II. The Website :

A. Website Introduction :

In Assignment 1, our Group 1 developed a men's sweatshirt online store called Maybe, using HTML and CSS. However, due to HTML's limitations, we couldn't offer a seamless and enjoyable shopping experience. Therefore, in this assignment 2, we applied our practical skills and knowledge in PHP and MySQL to enable customers to place orders directly on our website and receive an order receipt. Additionally, we ensured that the store manager could access, modify, and view reports for all orders in the database. Our goal is for customers to enjoy both our website and their purchases.

B. Main functionalities of the website, including screenshots :

In addition to the details outlined in my Assignment 1 report, I will demonstrate the main functionalities of our website throughout this project:

1. Form Handling :

Users can fill in the payment form if he/she wants to make a purchase:

MAYBE

HomeProductsPayment FormAbout UsEnhancements_1Enhancements_2Manager

Cozy Purchase

First name:

Last name:

Email address:

scovis@gmail.com

Address

Street address:

Suburb/Town:

State:

Please Select

Postcode:

0000

Phone number:

0000000000

Preferred contact:

Email

•

Post

•

Phone

•

Product:

Please Select

Desired quantity:

Preferred color:

Please Select

Product features:

■Short Sleeves +20\$

■Detachable Hood +20\$

■Inside Pocket +20\$

Credit Card Details

Credit Card Type:

Please Select

Cardholder Name:

ADELE

Credit Card Number:

0000111122223333

Credit Card Expiration

Date:

MM-YY

Card Verification

Value:

XXX


Comments:

Please give us your thoughts!

Check Out

Reset

MAYBE



Men Fashion

"May our sweatshirts be more comfortable than your lover(s)"

Users cannot submit the form without entering anything:

MAYBE

[Home](#) [Products](#) [Payment Form](#) [About Us](#) [Enhancements_1](#) [Enhancements_2](#) [Manager](#)

Cozy Purchase

First name:

* Your first name is required

Last name:

* Your last name is required

Email address:

* Your email address is required

Address

Street address:

* Your street address is required

Suburb/Town:

* Your suburb or town is required

State:

Please Select

* Your state is required

Postcode:

* Your postcode is required

Phone number:

* Your phone number is required

Preferred contact:

Email

☐

Post

☐

Phone

☐

* Your choice of contact is required

Product:

Please Select

* Your choice of product is required

Desired quantity:

* The quantity is required

Preferred color:

Please Select

* Your choice of color is required

Product features:

☐ Short Sleeves +20\$

☐ Detachable Hood +20\$

☐ Inside Pocket +20\$

Credit Card Details

Credit Card Type:

Please Select

* Your type of credit card is required

Cardholder Name:

* Your name on the credit card is required

Credit Card Number:

* The number of your credit card is required

Credit Card Expiration Date:

* The expiration date of your credit card is required

Card Verification Value:

* The Card Verification Value - CVV is required

Comments:

Check Out

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“May our sweatshirts be more comfortable than your lover(s)”

If users make a mistake, the form will keep the appropriate inputs and display the error messages to show which part needs correction:

MAYBE

HomeProductsPayment FormAbout UsEnhancements_1Enhancements_2Manager

Cozy Purchase

First name:

Rapoo

Last name:

Shoulou

Email address:

japanese.guy@hotmail.com

* Please enter a valid email

Address

Street address:

101 Gambare

Suburb/Town:

Kyoto

State:

VIC

Postcode:

202

* Only 4 numbers are allowed such as 0000

Phone number:

190056122

* Only 10 numbers are allowed such as 9999999999

Preferred contact:

Email

• Post

•

Phone

•

Product:

Poor College Kid - 20\$

Desired quantity:

4

Preferred color:

Rose Pink

Product features:

Short Sleeves +20\$

Detachable Hood +20\$

Inside Pocket +20\$

Credit Card Details

Credit Card Type:

Please Select

Cardholder Name:

Credit Card Number:

* Please enter a valid MASTERCARD credit card number

Credit Card Expiration

Date:

* Please enter a valid date such as 06-24

Card Verification

Value:

Comments:

Check Out

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"May our sweatshirts be more comfortable than your lover(s)"

2. Receipt page :

When the user inputs are validated, a receipt will be displayed and the order has been stored in the database:

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HomeProductsPayment FormAbout UsEnhancements_1Enhancements_2Manager

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Order Confirmation

Customer information	
Name	Rapoo Shoujou
Email Address	random.japanese.guy@hotmail.com
Address	101 Gambare
Suburb/Town	Kyoto
State	WA
Postcode	2002
Phone number	1920768542
Pref Contact	Email
Order	
Order Status	PENDING
Order ID	48
Item	Poor College Kid
Amount	4
Color	Winter White
Feature(s)	None
Payment	
CC Type	American Express
CC Name	SHINICHI
CC Num	*****
CC Expire Date	01-24
CVV	***
Total	\$80

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phpMyAdmin

Server: FreeBSD MySQL x Database: s104168106_db x Table: orders

Browse Structure SQL Search Insert Export Import Operations Tracking

Recent Favorites

- New
- information_schema
- s104168106_db
 - New
 - admins
 - cars
 - orders

order_id	order_time	order_cost	order_status	fname	lname	email_add	street_add	suburb_town	state	postcode	phone_num	contact	product	quantity	color	features	type_credit	name_credit	num_credit	exp_credit	cv
37	2023-04-06 20:32:40	60	PENDING	Tuan	Nguyen	Tuan1111@gmail.com	de la thanh 10	Ha Noi	NT	0	1234567891	Phone	Poor College Kid	1	Rich Black	Short Sleeves, and Detachable Hood	Visa	Tuan	2147483647	12-12	
38	2023-04-06 20:39:06	10060	PENDING	Tuan	Nguyen	Tuan1111@gmail.com	de la thanh 10	Ha Noi	WA	0	1234567891	Email	Toxic Playboy	50	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pac...	American Express	Tuan	2147483647	12-12	
39	2023-04-07 00:57:04	120	PENDING	Albus	Dumbledore	almighty.principal@hogwarts.com	777 Grindelwald	Deathly Hallows	ACT	0	306190777	Post	Basic Alpha Male	2	Winter White	None	Visa	Voldemort	2147483647	01-27	
40	2023-04-07 01:11:12	100	PENDING	Tung	Ngo	tung.ngo@gmail.com	64 Ho Hai Ba Trung	Hanoi	VIC	909	908070605	Phone	Poor College Kid	5	Rich Black	None	Mastercard	SELENA	2147483647	10-25	
42	2023-04-07 02:26:26	220	PENDING	Phong	Dao	phong.dao@gmail.com	78 Hang Ma	Hanoi	NSW	2413	913076989	Phone	Toxic Playboy	1	Rose Pink	Inside Pocket	American Express	PHONG	2147483647	07-28	
43	2023-04-07 02:36:41	60	PENDING	Hoang	Ech	hoang.ech@gmail.com	90 Ho Truc Bach	Hanoi	TAS	800	910804078	Email	Poor College Kid	2	Rich Black	Detachable Hood	Visa	HOANG	2147483647	05-30	
44	2023-04-07 13:13:35	200820	PENDING	Tuan	Nguyen	Tuan1111@gmail.com	de la thanh 10	Ha Noi	WA	0	1234567891	Phone	Toxic Playboy	1000	Rich Black	Detachable Hood	Visa	Tuan	2147483647	12-12	
45	2023-04-07 13:20:45	290	PENDING	Lmao	Nguyen	scotts@gmail.com	45 Weed Street	Winey Town	TAS	1234	2147483647	Email	Basic Alpha Male	3	Rich Black	Short Sleeves	Visa	LMAO	2147483647	09-24	
46	2023-04-07 18:15:32	240	PENDING	Tuan	Nguyen	Tuan1111@gmail.com	de la thanh 10	Ha Noi	ACT	0	1234567891	Post	Toxic Playboy	1	Rich Black	Short Sleeves, and Detachable Hood	Visa	Tuan	2147483647	12-12	
47	2023-04-09 01:56:47	380	PENDING	Sirius	Black	god.father@hogwarts.com	59 Islington	Paddington	WA	9966	672569402	Post	Basic Alpha Male	6	Rose Pink	Detachable Hood	Mastercard	DRACO	2147483647	06-25	
48	2023-04-09 17:22:09	80	PENDING	Rapoo	Shoupu	random.japanese.guy@hotmail.com	101 Gambare	Kyoto	WA	2002	1500788542	Email	Poor College Kid	4	Winter White	None	American Express	SHINICH	2147483647	01-24	

1 selected Edit Copy Delete Export

Console

3. Manager page :

The Manager can do orders-related searches on this page, view the results in a table, and modify or remove an order's status :

The Orders

Order ID	Order Time	Order Cost	Order Status	First Name	Last Name	Product	Quantity	Color	Features	Actions
1	2023-03-30 04:04:45	460	ARCHIVED	Harry	Potter	Toxic Playboy	2	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
2	2023-03-30 07:07:27	120	PAID	Hermione	Granger	Poor College Kid	4	Rose Pink	Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
3	2023-03-30 17:34:09	80	ARCHIVED	Severus	Snape	Basic Alpha Male	1	Winter White	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
20	2023-03-30 20:36:49	60	PAID	trung	duong	Poor College Kid	2	Rich Black	Short Sleeves	Delete PENDING FULFILLED PAID ARCHIVED
31	2023-03-31 18:53:23	3220	PAID	Linan	Nguyen	Toxic Playboy	16	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
34	2023-04-01 05:06:56	1040	PENDING	MCK	Nger	Toxic Playboy	5	Rich Black	Short Sleeves, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
36	2023-04-05 17:35:13	80	PENDING	Jack	Lame	Poor College Kid	1	Winter White	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
37	2023-04-05 17:31:46	620	PENDING	Hendrick	Conan	Toxic Playboy	3	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
31	2023-04-05 17:42:48	180	PENDING	Meast	Oliver	Poor College Kid	6	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
32	2023-04-05 17:43:30	780	PENDING	Yasuo	HasAKey	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
33	2023-04-05 17:49:31	800	PENDING	Wardie	Aapdriendstealer	Toxic Playboy	4	Rose Pink	None	Delete PENDING FULFILLED PAID ARCHIVED
34	2023-04-05 17:53:18	780	PENDING	Yasuo	HasAKey	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
38	2023-04-05 18:10:19	780	PENDING	Yasuo	Yone	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
36	2023-04-06 20:34:40	420	FULFILLED	Tuan	Nguyen	Poor College Kid	20	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
37	2023-04-06 20:32:10	60	PENDING	Tuan	Nguyen	Poor College Kid	1	Rich Black	Short Sleeves, and Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
38	2023-04-06 20:39:06	10060	PENDING	Tuan	Nguyen	Toxic playboy	50	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
39	2023-04-07 00:47:04	120	PENDING	Albus	Dumbledore	Basic Alpha Male	2	Winter White	None	Delete PENDING FULFILLED PAID ARCHIVED
40	2023-04-07 01:11:12	100	PENDING	tying	Ngo	Poor College Kid	5	Rich Black	None	Delete PENDING FULFILLED PAID ARCHIVED
42	2023-04-07 03:26:26	220	PENDING	Phuong	Dao	Toxic Playboy	1	Rose Pink	Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
43	2023-04-07 03:36:41	60	PENDING	Hoang	Ech	Poor College Kid	2	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
44	2023-04-07 13:13:35	300030	PENDING	Tuan	Nguyen	Toxic Playboy	1000	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
45	2023-04-07 15:20:45	200	PENDING	Linan	Nguyen	Basic Alpha Male	3	Rich Black	Short Sleeves	Delete PENDING FULFILLED PAID ARCHIVED
46	2023-04-07 18:15:32	240	PENDING	Tuan	Nguyen	Toxic Playboy	1	Rich Black	Short Sleeves, and Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
47	2023-04-08 01:56:17	380	PENDING	Stilus	Black	Basic Alpha Male	6	Rose Pink	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
48	2023-04-09 17:23:09	80	PENDING	Rapoo	Shoulou	Poor College Kid	4	Winter White	None	Delete PENDING FULFILLED PAID ARCHIVED

Show All

Search for a name

First Name:

Last Name:

Go

Search for a product

Product's Orders:

Options

Go

Search for pending orders

Sort the orders by total cost

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The Most Popular Product Ordered

The Average Number of Orders Per Day

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The Orders

Order ID	Order Time	Order Cost	Order Status	First Name	Last Name	Product	Quantity	Color	Features	Actions
1	2023-03-30 04:54:45	460	FULFILLED	Harry	Potter	Toxic Playboy	2	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED

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Search for a name

First Name:

harry

Last Name:

[Go](#)

Search for a product

Product's Orders:

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The Orders

Order ID	Order Time	Order Cost	Order Status	First Name	Last Name	Product	Quantity	Color	Features	Actions
2	2023-03-30 07:07:27	120	PAID	Hermione	Granger	Poor College Kid	4	Rose Pink	Detachable Hood, and Inside Pocket	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
20	2023-03-30 20:36:49	60	PAID	trung	duong	Poor College Kid	2	Rich Black	Short Sleeves	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
26	2023-04-05 17:25:12	80	PENDING	Jack	Lame	Poor College Kid	1	Winter White	Short Sleeves, and Detachable Hood, and Inside Pocket	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
31	2023-04-05 17:42:48	180	PENDING	Messi	Oliver	Poor College Kid	6	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
36	2023-04-06 20:24:40	420	FULFILLED	Tuan	Nguyen	Poor College Kid	20	Rich Black	Detachable Hood	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
37	2023-04-06 20:32:40	60	PENDING	Tuan	Nguyen	Poor College Kid	1	Rich Black	Short Sleeves, and Detachable Hood	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
40	2023-04-07 01:11:12	100	PENDING	Tung	Ngo	Poor College Kid	5	Rich Black	None	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
43	2023-04-07 02:36:41	60	PENDING	Hoang	Ech	Poor College Kid	2	Rich Black	Detachable Hood	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>
48	2023-04-09 17:22:09	80	PENDING	Rapoo	Shoujou	Poor College Kid	4	Winter White	None	<div>Delete</div> <div>PENDING</div> <div>FULFILLED</div> <div>PAID</div> <div>ARCHIVED</div>

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Search for a name

First Name:

Last Name:

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Search for a product

Product's Orders:

Poor College Kid



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"May our sweatshirts be more comfortable than your lover(s)"

The Orders

Order ID	Order Time	Order Cost	Order Status	First Name	Last Name	Product	Quantity	Color	Features	Actions
26	2023-04-05 17:25:12	80	PENDING	Jack	Lame	Poor College Kid	1	Winter White	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
27	2023-04-05 17:31:46	620	PENDING	Hendrick	Coman	Toxic Playboy	3	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
31	2023-04-05 17:42:18	180	PENDING	Messi	Oliver	Poor College Kid	6	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
32	2023-04-05 17:43:30	780	PENDING	Yasuo	HasAKey	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
33	2023-04-05 17:49:31	800	PENDING	Wendie	Aggirfriendstealer	Toxic Playboy	4	Rose Pink	None	Delete PENDING FULFILLED PAID ARCHIVED
34	2023-04-05 17:53:18	780	PENDING	Yasuo	HasAKey	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
35	2023-04-05 18:10:49	780	PENDING	Yasuo	Yone	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
37	2023-04-06 20:32:40	60	PENDING	Tuan	Nguyen	Poor College Kid	1	Rich Black	Short Sleeves, and Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
38	2023-04-06 20:39:06	10060	PENDING	Tuan	Nguyen	Toxic Playboy	50	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
40	2023-04-07 01:31:12	100	PENDING	Tung	Ngo	Poor College Kid	5	Rich Black	None	Delete PENDING FULFILLED PAID ARCHIVED
43	2023-04-07 02:36:41	60	PENDING	Hoang	Ech	Poor College Kid	2	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
45	2023-04-07 13:20:45	200	PENDING	Lmao	Nguyen	Basic Alpha Male	3	Rich Black	Short Sleeves	Delete PENDING FULFILLED PAID ARCHIVED
46	2023-04-07 18:15:32	240	PENDING	Tuan	Nguyen	Toxic Playboy	1	Rich Black	Short Sleeves, and Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
48	2023-04-09 17:22:09	80	PENDING	Rapoo	Shoujou	Poor College Kid	4	Winter White	None	Delete PENDING FULFILLED PAID ARCHIVED

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Last Name:

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Search for a product

Product's Orders:

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"May our sweatshirts be more comfortable than your lover(s)"

The Orders

Order ID	Order Time	Order Cost	Order Status	First Name	Last Name	Product	Quantity	Color	Features	Actions
44	2023-04-07 13:13:35	200020	FULFILLED	Tuan	Nguyen	Toxic Playboy	1000	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
38	2023-04-06 20:39:06	10060	PENDING	Tuan	Nguyen	Toxic playboy	50	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
21	2023-03-31 18:55:43	3230	PAID	Linan	Nguyen	Toxic Playboy	16	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
24	2023-04-01 05:06:56	1040	ARCHIVED	MCK	Nger	Toxic Playboy	8	Rich Black	Short Sleeves, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
33	2023-04-05 17:49:31	800	PENDING	Wardle	Aggrifriendstealer	Toxic Playboy	4	Rose Pink	None	Delete PENDING FULFILLED PAID ARCHIVED
34	2023-04-05 17:53:18	780	PENDING	Yasuo	HasAKey	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
35	2023-04-05 18:15:19	780	PENDING	Yasuo	Yone	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
32	2023-04-05 17:43:30	780	PENDING	Yasuo	HasAKey	Basic Alpha Male	12	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
27	2023-04-05 17:51:46	620	PENDING	Hendrick	Conan	Toxic Playboy	3	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
1	2023-03-30 04:54:49	460	FULFILLED	Harry	Potter	Toxic Playboy	2	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
36	2023-04-06 20:34:40	420	FULFILLED	Tuan	Nguyen	Poor College Kid	20	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
47	2023-04-09 01:56:47	380	PAID	Sirus	Black	Basic Alpha Male	6	Rose Pink	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
48	2023-04-07 16:15:33	340	PENDING	Tuan	Nguyen	Toxic playboy	1	Rich Black	Short Sleeves, and Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
42	2023-04-07 05:36:36	220	PAID	Phoun	Duo	Toxic playboy	1	Rose Pink	Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
45	2023-04-07 13:30:45	200	PENDING	Linno	Nguyen	Basic Alpha Male	3	Rich Black	Short Sleeves	Delete PENDING FULFILLED PAID ARCHIVED
31	2023-04-05 17:43:46	180	PENDING	Messi	Oliver	Poor College Kid	6	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
2	2023-03-30 07:09:22	120	PAID	Hermione	Granger	Poor College Kid	4	Rose Pink	Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
39	2023-04-07 00:57:04	120	ARCHIVED	Albus	Dumbledore	Basic Alpha Male	2	Winter White	None	Delete PENDING FULFILLED PAID ARCHIVED
40	2023-04-07 01:11:12	100	PENDING	Tung	Ngo	Poor College Kid	5	Rich Black	None	Delete PENDING FULFILLED PAID ARCHIVED
3	2023-03-30 17:34:09	80	ARCHIVED	Severus	Snake	Basic Alpha Male	1	Winter White	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
26	2023-04-05 17:25:12	80	PENDING	Jack	Lame	Poor College Kid	1	Winter White	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
48	2023-04-09 17:22:09	80	PENDING	Kapoo	Shouyou	Poor College Kid	4	Winter White	None	Delete PENDING FULFILLED PAID ARCHIVED
43	2023-04-07 02:36:11	60	PENDING	Huong	Ech	Poor College Kid	2	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
37	2023-04-06 20:32:40	60	PENDING	Tuan	Nguyen	Poor College Kid	1	Rich Black	Short Sleeves, and Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
20	2023-03-30 20:36:49	60	PAID	trung	duong	Poor College Kid	2	Rich Black	Short Sleeves	Delete PENDING FULFILLED PAID ARCHIVED

Show All

Search for a name

First Name:

Last Name:

Go

Search for a product

Product's Orders:

Options



Go

Search for pending orders

Sort the orders by total cost

More Reports

The Most Popular Product Ordered

The Average Number of Orders Per Day

Get me out of here D: -- Logout



The Orders

Order ID	Order Time	Order Cost	Order Status	First Name	Last Name	Product	Quantity	Color	Features	Actions
1	2023-03-30 04:54:45	460	FULFILLED	Harry	Potter	Toxic Playboy	2	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
2	2023-03-30 07:07:27	120	PAID	Hermione	Granger	Poor College Kid	4	Rose Pink	Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
3	2023-03-30 17:34:09	80	ARCHIVED	Severus	Snape	Basic Alpha Male	1	Winter White	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED

The Orders

Order ID	Order Time	Order Cost	Order Status	First Name	Last Name	Product	Quantity	Color	Features	Actions
1	2023-03-30 04:54:45	460	ARCHIVED	Harry	Potter	Toxic Playboy	2	Rich Black	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
2	2023-03-30 07:07:27	120	PENDING	Hermione	Granger	Poor College Kid	4	Rose Pink	Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED
3	2023-03-30 17:34:09	80	FULFILLED	Severus	Snape	Basic Alpha Male	1	Winter White	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED

36	2023-04-06 20:24:40	420	FULFILLED	Tuan	Nguyen	Poor College Kid	20	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
37	2023-04-06 20:32:40	60	PENDING	Tuan	Nguyen	Poor College Kid	1	Rich Black	Short Sleeves, and Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
38	2023-04-06 20:39:06	10060	PENDING	Tuan	Nguyen	Toxic Playboy	50	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED

36	2023-04-06 20:24:40	420	FULFILLED	Tuan	Nguyen	Poor College Kid	20	Rich Black	Detachable Hood	Delete PENDING FULFILLED PAID ARCHIVED
38	2023-04-06 20:39:06	10060	PENDING	Tuan	Nguyen	Toxic Playboy	50	Rose Pink	Short Sleeves, and Detachable Hood, and Inside Pocket	Delete PENDING FULFILLED PAID ARCHIVED

4. Enhancements:

If the manager wants to view the reports of all orders, he/she needs to log in:

The screenshot shows the 'Manager Login' page of a website. The header is a light green bar with the text 'MAYBE' on the left and navigation links 'Home', 'Products', 'Payment Form', 'About Us', 'Enhancements_1', 'Enhancements_2', and 'Manager' on the right. The main content area has a dark green background. At the top, it says 'Manager Login' in a large, white, serif font. Below this, there are two white input fields for 'Username:' and 'Password:'. A white 'Login' button is positioned below the password field. A line of text below the button asks, 'Do you want to become a manager ? Register Now !!!'. The footer is a dark blue bar with 'MAYBE' and 'Men Fashion' on the left, a small logo in the center, and the tagline 'May our sweatshirts be more comfortable than your lover(s)' on the right.

MAYBE Home Products Payment Form About Us Enhancements_1 Enhancements_2 Manager

Manager Login

Username:

Password:

Login

Do you want to become a manager ? Register Now !!!

MAYBE Men Fashion

May our sweatshirts be more comfortable than your lover(s)

The manager can also choose to create a new account and this account will be stored in the database:

The screenshot shows the 'Registration Page' of the same website. The header is identical to the login page. The main content area has a dark green background. At the top, it says 'Registration Page' in a large, white, serif font. Below this, there are two white input fields for 'Username:' and 'Password:'. A white 'Register' button is positioned below the password field. A line of text below the button asks, 'Have you remembered your account ? Login Now !!!'. The footer is identical to the login page.

MAYBE Home Products Payment Form About Us Enhancements_1 Enhancements_2 Manager

Registration Page

Username:

Password:

Register

Have you remembered your account ? Login Now !!!

MAYBE Men Fashion

May our sweatshirts be more comfortable than your lover(s)

phpMyAdmin

Server: Feenix MariaDB (MySQL) » Database: s104168106_db » Table: admins

Browse Structure SQL Search Insert Export Import Operations Tracking

⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.

✓ Showing rows 0 - 4 (5 total, Query took 0.0011 seconds.)

`SELECT * FROM `admins``

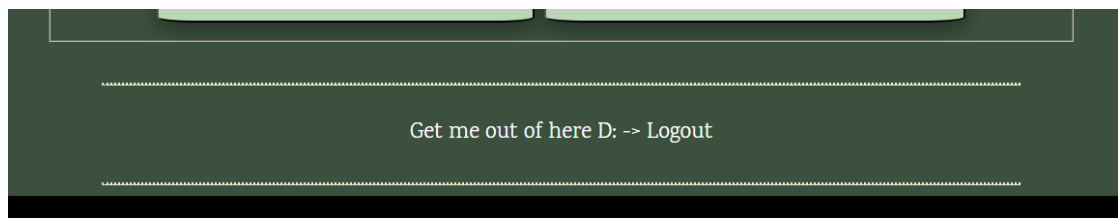
☐ Profiling [\[Edit inline \]](#) [\[Edit \]](#) [\[Explain SQL \]](#) [\[Create PHP code \]](#) [\[Refresh \]](#)

☐ Show all | Number of rows: 25 | Filter rows:

Extra options


username	password
admin	password
another_admin	Password1
someone	Mothaiba0
Tung1	Tung12345
admin2	Group001

When the manager finishes his/her work, the logout button is at the end of the page:



MAYBE Home Products Payment Form About Us Enhancements_1 Enhancements_2 Manager

You are departing from an idyllic environment. Please wait 3 seconds...

MAYBE 

Men Fashion *"May our sweatshirts be more comfortable than your lover(s)"*

Some advanced reports for the manager:

More Reports	
The Most Popular Product Ordered	The Average Number of Orders Per Day

Advanced Report	
The Most Famous Item	Number of Orders
Toxic Playboy	1082

More Reports	
The Most Popular Product Ordered	The Average Number of Orders Per Day

Advanced Report	
Date	Average Number of Orders
2023-03-30	4
2023-03-31	1
2023-04-01	1
2023-04-05	7
2023-04-06	2
2023-04-07	7
2023-04-09	2

C. Technical details on the website development :

Regarding the frontend, which is the user interface that clients interact with while exploring and shopping on our website, was built using HTML, CSS in Assignment 1. During this project, one of our goals was to enhance the design, making it more intuitive, user-friendly, and convenient. We resolved minor issues from our previous design and proceeded to style the newly added pages including payment form, receipt page, manager page, login, logout, and register page. We still kept a consistent style throughout the pages, and we decided to change the table border for a more compact and modern appearance. Another element we looked into was the design of the buttons. We opted for a visually appealing and easy to use look for them.

Concerning the backend, PHP, which is a popular server-side scripting language, was employed to process user requests, manage data, and execute intended functions. Various PHP functions were used to meet the project's requirements. For example,

we applied the `preg_match()` and a custom function to validate user data inputs and then sanitize them before inserting into the database. PHP arithmetic operators were also employed to calculate the total cost of a customer's order.

Starting a PHP session was essential, as it allowed us to store necessary variables for use across multiple pages. This enabled us to provide a way for customers to correct their orders without re-filling forms and to generate an accurate receipt displaying the finalized order. Furthermore, we applied our understanding of PHP sessions and form handling to develop a security system, which will be elaborated on later in the section detailing my contributions.

Last but not least, MySQL, a popular open-source relational database management system (RDBMS), was utilized for storing and managing data on our online shopping website. We established two tables for orders and manager accounts and thoroughly tested queries in the database prior to implementing MySQLi (MySQL Improved), a PHP extension that simplifies the interactions with MySQL databases.

By connecting to the feenix-mariadb server via the `settings.php` file and using MySQLi functions like `mysqli_query()` and `mysqli_fetch_assoc()`, we supported the Manager in querying order information, presenting results in an HTML table, and updating or deleting order statuses.

Additionally, we employed subqueries, which are queries nested within other queries, to provide the manager with advanced reports, such as the most popular product ordered and the average number of orders per day.

D. Highlight the key/innovative features of the website :

Considering our key features, it's essential to highlight the ease and user-friendliness of the form completion process. If a user makes an error, the form retains accurate inputs and only shows relevant error messages, enabling the user to concentrate solely on fixing incorrect input.

Moreover, we always take security into consideration. Customer credit card details are masked, and only managers with proper credentials can access all orders. To

prevent unintended actions, we redirect crucial PHP pages back to the payment form when a user attempts to access them directly via URLs.

III. Your Contribution :

To ensure seamless porting of our website to the testing environment, I utilized a PHP include file which is settings.php. This file contains connection variables for my MySQL database on the feenix-mariadb server.

After setting up this file, I was asked to build the manager.php page with another friend of mine whose name is Tuan. The most important part of my tasks was to construct accurate Mysql queries so that we could display a table of all the orders received from the users, along with the functions that helped the manager to sort out the orders he/she wanted to verify, and even updated the status of an order or deleted that order if it was in "pending" state.

Additionally, I introduced a security system for the manager page as an enhancement of our group's project, which comprised three components:

1. login.php

Managers need to provide their credentials to access all orders.

2. register.php

Managers have the ability to create their own accounts.

3. logout.php

Managers can easily log out with a single click.

To streamline the validation process, I established a default account with "admin" as the username and "password" as the password.

Finally, our group collaboratively tested all implemented functions, examining both desired data and error handling, to ensure our website's reliability and stability.

IV. Reflection and Discussion :

A. Reflections on our experience regarding professional purpose, teamwork, and effective communication in this project:

Regarding this project, we learned that teamwork holds immense significance. From the beginning, our group understood that it was crucial to establish the main objectives of the project. As a result, we prepared a clear outline of the goals and targets set for this further development of our website, addressing the areas that needed improvement from Assignment 1 and the required expansion of functionality.

Thanks to our collaborative mindset, we could work out our tasks effectively, avoid misunderstandings, and ensure that everyone understood their part in the project. Moreover, we organized several meetings each week so that we could keep ourselves updated and informed about the project's progress. This also provided us the opportunity to exchange valuable feedback with one another in order to resolve any issues or concerns.

B. Discussion on one of the web development-related issues:

While developing our online shopping website, it's essential to consider various aspects, including privacy, security, and commercial issues. My considerations for some of these aspects will be presented:

Firstly, It's vital to safeguard and secure users' personal information. For instance, the CVV code on customers' cards remains concealed, even on receipts, to minimize online fraud risks. Furthermore, users' orders are safely stored in our database, which can only be accessed through a manager account.

Secondly, input validation involves thoroughly examining any input provided by a user or application, preventing improper data from entering our database. In this project, server-side input validation was required to strengthen the website's security.

Finally, so as to accommodate our customers and maintain their interest, a user-friendly interface and smooth user experience are essential. Our team ensured that our layout was compact, fluid, and responsive across multiple devices.

V. Conclusion :

In conclusion, our Group 1 acquired a thorough understanding of this project's further development by reviewing this report. This report is a valuable resource not only for informed decision-making, aiming for constant enhancement, but also for the server-side programming techniques that we learned and practiced.

Besides, with our tutor's recommendations, we managed to adapt and learn from both our successes and setbacks. Our aspiration is for our online shopping website to sustain its growth and success in the years to come, as well as expand its market share and customer satisfaction.