

Laptop-Shop-Management

By

Zainab bai B.E

Batch: 2021 – 6334



About

- Introduction
- Software requirements
- Database query
- Results
- Conclusion



Introduction

Our project explains about the E-commerce Shopping, Website name **shoppyTech**. This project mainly explains the various actions related to online shopping. Like selecting product depends on brands, styles then add the favourites to wish list for buying those products add them in cart select the product which you want to buy and remove the product which you don't want to buy, then buy the product it generates the Bill depends on customer details and product.

Our Project Include Modules:-

- Role Module
- User Registration Module
- Product Module
- Cart Item Module
- Wish List Module

Tools and Technologies Used

- Spring Boot - 2.0.4.RELEASE
- JDK - 1.8 or later
- Spring Framework - 5.0.8 RELEASE
- Hibernate - 5.2.17. Final
- Maven - 3.2+
- IDE - Eclipse or Spring Tool Suite (STS)
- Tomcat - 9.5+
- Thymeleaf - 3.0.9 RELEASE
- Bootstrap – 4,HTML5,CSS3
- MySQL - 8.0.23CE



Software requirements

- **Front end:** Spring Suit Tool, Spring Boot REST-API technologies (Version 1.8), Thymeleaf, HTML5, CSS, Bootstrap, Hibernate.
- **Back end:** MySQL workbench 8.0.23CE.
- **Middleware/Server:** Apache Tomcat v8.5. IDE: Eclipse IDE for Java EE Developers, Tomcat initialized with port(s): 8080 (http).
- **Browser:** Best result on Google Chrome
- **Operating System:** Window 11.

Dependencies:

- spring-boot-starter-security
- spring-boot-starter-thymeleaf
- spring-boot-starter-web
- spring-boot-devtools
- mysql-connector-java
- spring-boot-starter-data-jpa



➤ Product Database

Create a Table product in database and insert a product.

```
create TABLE product (
    id varchar(20) PRIMARY KEY NOT NULL,
    imglink varchar(255) NOT NULL,
    name varchar(100) NOT NULL,
    descp varchar(255) NOT NULL,
    price double NOT NULL,
    style varchar(100) Not null,
    brand varchar(100) Not null ) ;
```

```
insert into product (id,name,imglink,descp,price,style,brand) values("g1","HP Victus 16-e0076AX",
"https://vsbytes.com/wp-content/uploads/2021/07/16-e0076AX.webp",
"Ryzen 5 5600H 8GB DDR4 3
200MHz RAM 512GB SSD 16.1-inches FHD, 60Hz",66990.00,"gaming","HP");
```

```
insert into product (id,name,imglink,descp,price,style,brand) values("g2","Acer Nitro AN515-44",
"https://vsbytes.com/wp-content/uploads/2021/07/AN515-44.webp","Ryzen 5 4600H
16GB DDR4 512GB SSD 15.6-inches FHD, 60Hz GTX 1650",79999.99,"gaming","ACER");
```

```
insert into product (id,name,imglink,descp,price,style,brand) values("g6","ASUS TUF Gaming A15",
"https://vsbytes.com/wp-content/uploads/2021/07/ASUS-TUF-Gaming-A15-2021-15.6-inch-39.62-cms-FHD-144Hz-
AMD-Ryzen-7-4800H.webp",
"AMD Ryzen 7 4800H 8GB DIMM DDR4 512GB SSD 15.6-inches FHD 144Hz",74990.00,"gaming","ASUS");
```

```
insert into product (id,name,imglink,descp,price,style,brand) values("g3","Lenovo IdeaPad Gaming 3",
"https://vsbytes.com/wp-content/uploads/2020/10/Lenovo-IdeaPad-Gaming-3-AMD-Ryzen-5-4600H-15.6-39.62cms-Full-
HD-IPS-120Hz-Gaming-Laptop.webp",
"Ryzen 5 4600H 8GB DDR4 512GB SSD 15.6-inches FHD with 120Hz 1650",63100.00,"gaming","LENOVO");
```

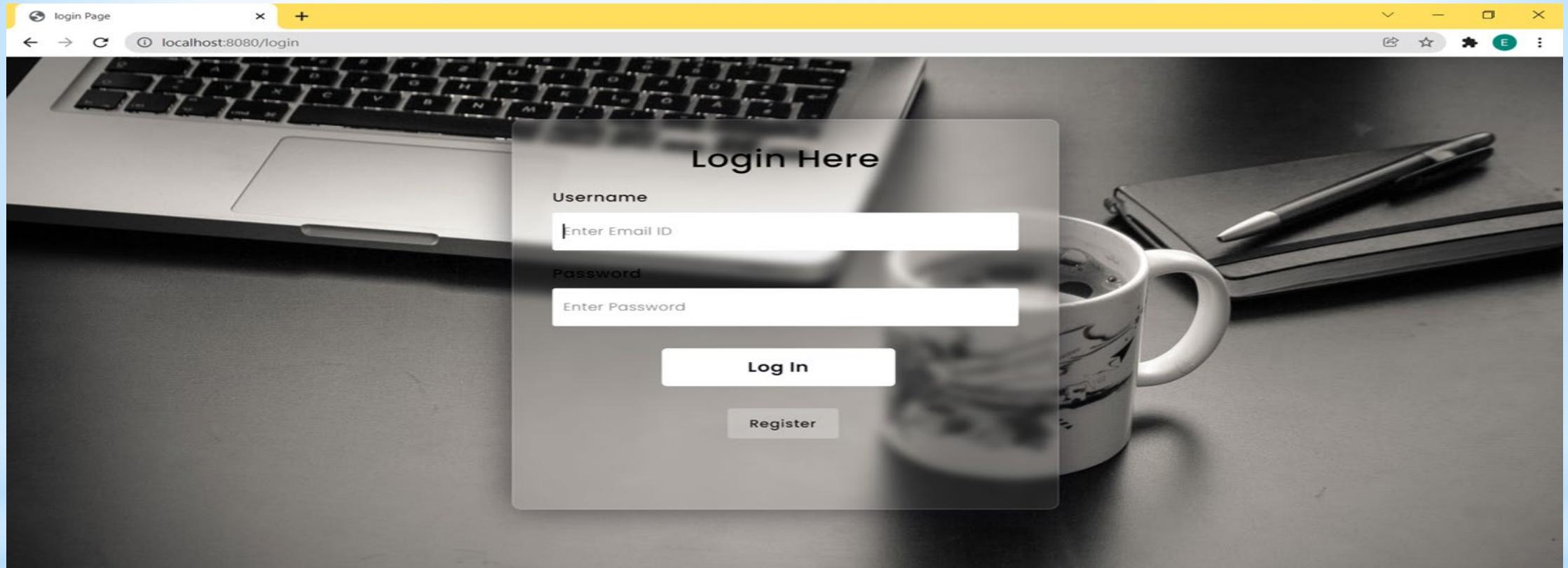
➤ Cart Table:

```
CREATE TABLE cart_items (
    id int auto_increment,
    product_id varchar(20) not null,
    user_email varchar(100) not null,
    PRIMARY KEY (id),
    FOREIGN KEY (product_id) REFERENCES product(id) );
```

➤ Wish List:

```
CREATE TABLE wish_list (
    id int auto_increment,
    product_id varchar(20) not null,
    user_email varchar(100) not null,
    PRIMARY KEY (id),
    FOREIGN KEY (product_id) REFERENCES product(id) );
```

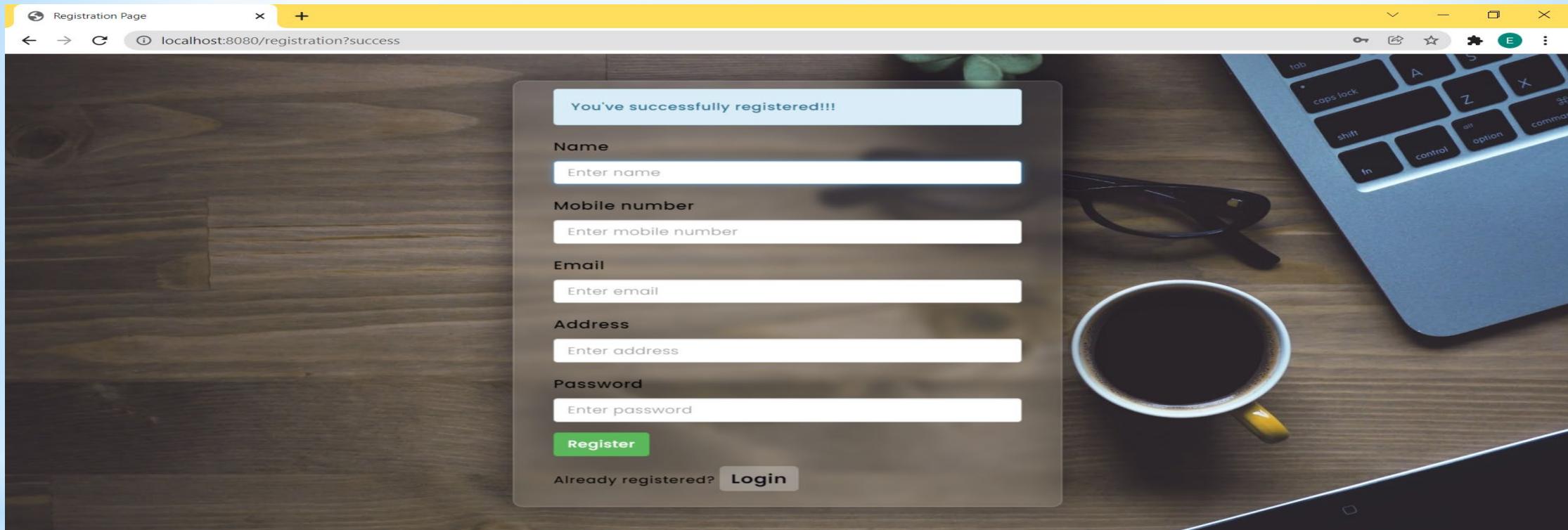
Login Page:



- We have to login here by using email and password.
- If we are the new user, register first.

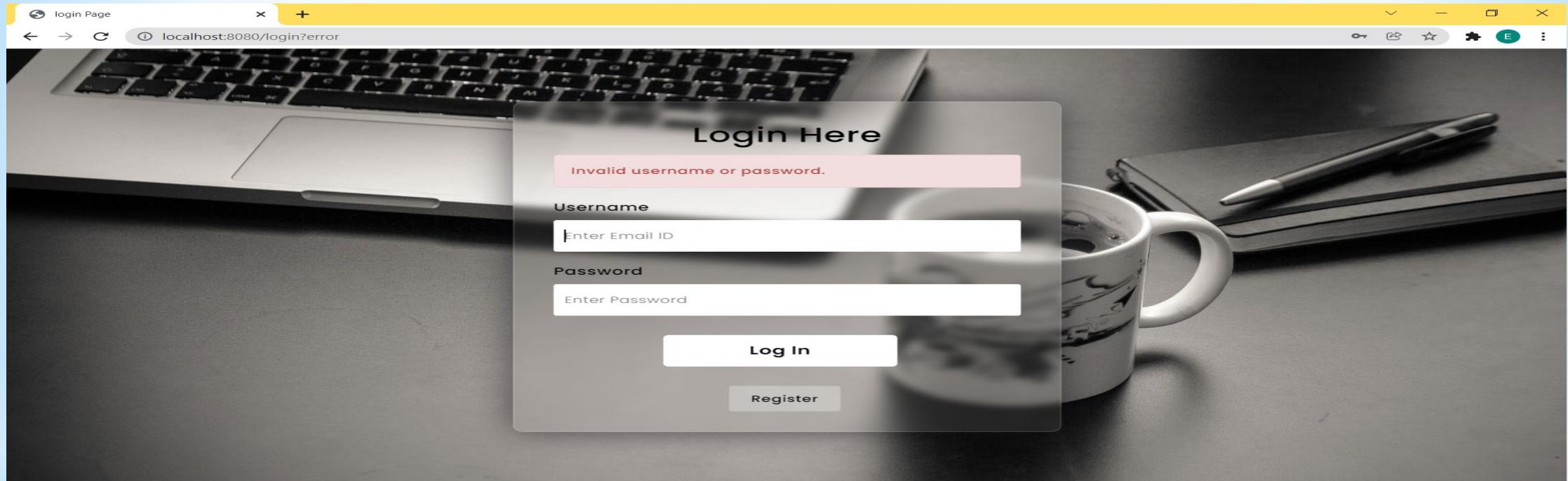


Registration Page:



- Here we have register with our Details
- This is the page where we give all details about ours which continue through this website.
- Fill the form and click register button.
- This Details Store in database.
- By using these details, we have to login.

Login with incorrect details:



- We have to register with correct details otherwise it shows error message.
- Because we store the details in database.
- Fill the details which you register with and click login button.
- It shows Home Page.



Database details:

Role Table

MySQL Workbench Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Laptop-shop_management new laptop-shop-management X

Schemas Filter objects

- skila
- spring_shoppingcartdb2
- sys
- world

1 • create database laptop_shop_management;

2

3 • use laptop_shop_management;

4

5 • select*from role;

6 • select*from user;

7 • select*from users_roles;

Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or to toggle automatic help.

Result Grid | Filter Rows | Edit | Export/Import | Wrap Cell Contents | Result Grid | Form Editor | Field Types | Query Stats

id	name
1	ROLE_USER

Administration Schemas Information

No object selected

role 1 x

Action Output

#	Time	Action	Message	Duration / Fetch
1	17:13:14	create database laptop_shop_management	1 row(s) affected	0.000 sec
2	17:13:19	use laptop_shop_management	0 row(s) affected	0.000 sec

Object Info Session

User Table

MySQL Workbench Local instance MySQL80 X

File Edit View Query Database Server Tools Scripting Help

Laptop-shop_management new laptop-shop-management X

Schemas Filter objects

- skila
- spring_shoppingcartdb2
- sys
- world

1 • create database laptop_shop_management;

2

3 • use laptop_shop_management;

4

5 • select*from role;

6 • select*from user;

7 • select*from users_roles;

Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or to toggle automatic help.

Result Grid | Filter Rows | Edit | Export/Import | Wrap Cell Contents | Result Grid | Form Editor | Field Types | Query Stats

id	address	email	name	number	password
1	Chennai	zainabba1997@gmail.com	zainab bai	1234567890	\$2e\$10\$qrteEZBPH4wHF82E5FT06n25gv...

Administration Schemas Information

No object selected

user 2 x

Action Output

#	Time	Action	Message	Duration / Fetch
3	17:15:31	select*from role LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
4	17:16:32	select*from user LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec

Object Info Session



Role-User Table:

The screenshot shows the MySQL Workbench interface with the following details:

- Schemas:** The current schema is "laptop_shop_management".
- Query Editor:** Contains the following SQL code:

```
1 •  create database laptop_shop_management;
2
3 •  use laptop_shop_management;
4
5 •  select*from role;
6 •  select*from user;
7 •  select*from users_roles;
```
- Result Grid:** Shows a single row of data from the "users_roles" table:

user_id	role_id
1	1
- Output:** Displays the execution history of the queries:

#	Time	Action	Message	Duration / Fetch
1	17:13:14	create database laptop_shop_management	1 row(s) affected	0.000 sec
2	17:13:19	use laptop_shop_management	0 row(s) affected	0.000 sec
3	17:15:31	select*from role LIMIT 0..50000	1 row(s) returned	0.016 sec / 0.000 sec
4	17:16:32	select*from user LIMIT 0..50000	1 row(s) returned	0.000 sec / 0.000 sec
5	17:16:52	select*from users_roles LIMIT 0..50000	1 row(s) returned	0.000 sec / 0.000 sec

- In role table we get user name and id.
- In User Table we get the user details like name, address, email, phone number, password.
- The password is Encrypted by spring security.
- By joining the role and user table by using many to many hibernate method create Role-User table by referencing the id of role and user table.



Home Page:

Home Page X +
localhost:8080

shoppyTech..

HOME ABOUT CONTACT CATEGORIES CART WISH LOGOUT

Store. The best way to buy the products you love.

Better digital experience
with Presento

We are team of talented
designers making services with
Laptop.

Get Started





About Page:

About

localhost:8080/aboutPage

shoppyTech..

HOME

ABOUT

CONTACT

CATEGORIES

CART

WISH

LOGOUT

About Us

Our Laptop Shop supplies the very best in contemporary Dublin laptops and Dublin laptop accessories. Our expert team of techies are also available for laptop repairs and laptop.

We have Dublin laptops for the avid gamer, the college student, and even for the committed technophobe.

All our available laptops have been carefully curated by our technical team for their performance, speed and value for money.

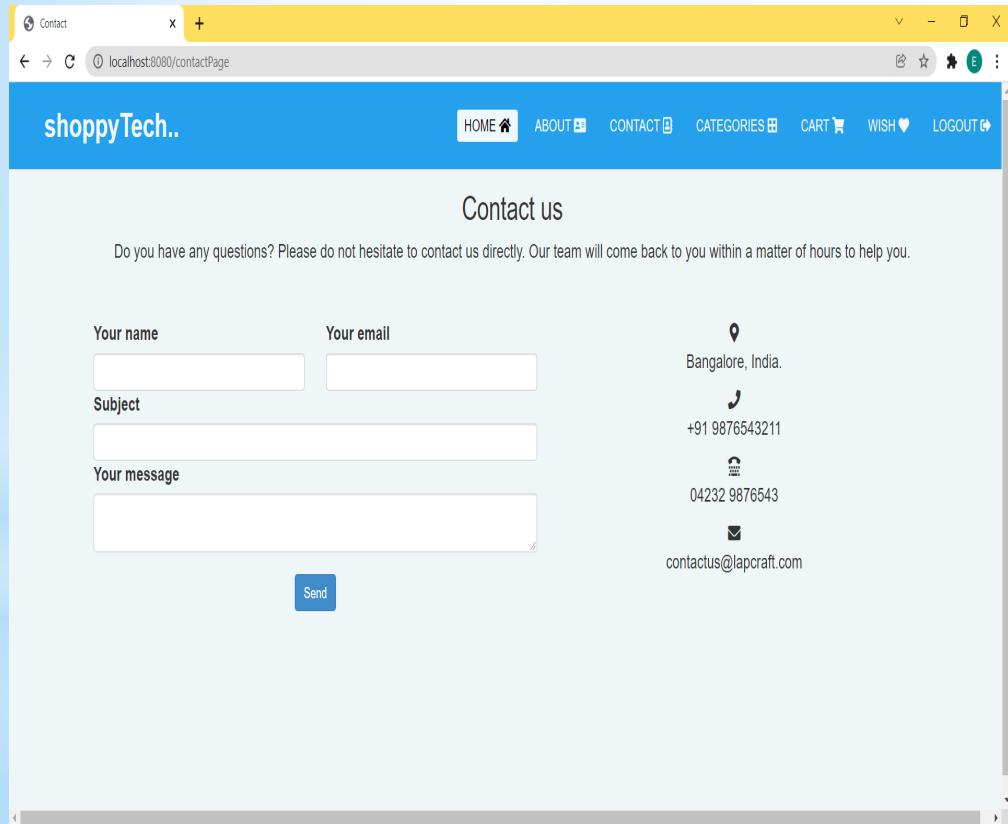
ABC with Integrity

- AUDACITY
- BIAS FOR ACTION
- CUSTOMER FIRST

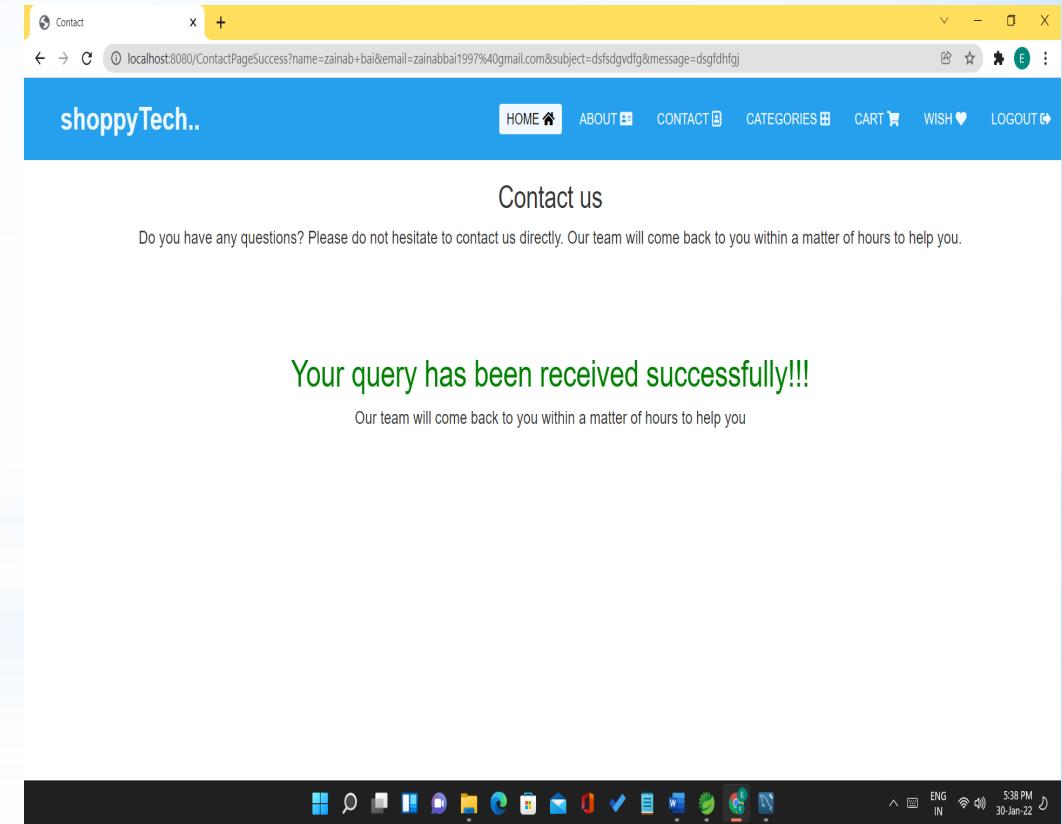


Contact Page:

On clicking send Button



The screenshot shows the contact page of a website named "shoppyTech..". The page has a blue header with navigation links: HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH, and LOGOUT. The main content area is titled "Contact us" and contains a form with fields for "Your name", "Your email", "Subject", and "Your message". Below the form is a map pin icon followed by the text "Bangalore, India.", a phone icon followed by "+91 9876543211", a fax icon followed by "04232 9876543", and an envelope icon followed by "contactus@lapcraft.com". A "Send" button is located at the bottom left of the form.



The screenshot shows the contact page after a query has been sent. The URL in the address bar is "localhost:8080/ContactPageSuccess?name=zainab+bai&email=zainabba1997%40gmail.com&subject=dsfsdgvdfg&message=dsgfdhfgj". The page displays a green success message: "Your query has been received successfully!!!". It also includes the text "Do you have any questions? Please do not hesitate to contact us directly. Our team will come back to you within a matter of hours to help you." and "Our team will come back to you within a matter of hours to help you". At the bottom, a taskbar shows various application icons and the system status bar indicates the date and time as "30-Jan-22 5:38 PM".

Product table:

The screenshot shows the MySQL Workbench interface with the following details:

- Navigator:** Shows the schema `laptop_shop_management` selected.
- SQL Editor:** Displays the SQL code for creating the `product` table and selecting all rows from it.

```
10 • create TABLE product (
11     id varchar(20) PRIMARY KEY NOT NULL,
12     imglink varchar(255) NOT NULL,
13     name varchar(100) NOT NULL,
14     descp varchar(255) NOT NULL,
15     price double NOT NULL,
16     style varchar(100) Not null,
17     brand varchar(100) Not null
18 );
19 • select * from product;
```
- Result Grid:** Shows the data for 15 products, including columns: id, brand, descp, imglink, name, price, and style.
- Output:** Shows the log of actions taken, including four insert statements for the `product` table.

ID	Brand	Description	Image Link	Name	Price	Style
a1	ACER	10th Generation i5-10300H processor 8 GB of D...	https://static-ecapac.acer.com/media/catalog/p...	Acer Aspire 7	54990	newlap
a2	ACER	11th Genertion Intel i9-11900 processor 16 GB ...	https://static-ecapac.acer.com/media/catalog/p...	Acer Predator Helios Gaming	139999	gaming
a3	ACER	11th Generation Intel Core i5-1135G7 8GB DDR...	https://static-ecapac.acer.com/media/catalog/p...	Acer Aspire 3	58999	slim
a4	ACER	Intel® Pentium® Silver N5030 processor 256 G...	https://static-ecapac.acer.com/media/catalog/p...	Acer Extensa Laptop Intel Pentium Quad Core	28999	workin
a5	ACER	Windows 11 Home 64-bit Core i5-1155G7 Proce...	https://static-ecapac.acer.com/media/catalog/p...	Acer Aspire Vero	57999	slim
acer1	ACER	11th Gen i7 11370H 8GB DDR4 1TB SSD 15.6-in...	https://vbytes.com/wp-content/uploads/2021/...	Acer Nitro AN515-56	86999.99	gaming
ASUS1	ASUS	Windows 10 9th Gen Intel i9 32 GB memory 1 T...	https://clcdnwebimags.asus.com/gain/101212fc-...	ASUS Zenbook Pro Duo UX581	125000	slim
ASUS2	ASUS	32 GB/1 TB SSD/Windows 10 Home/6 GB Graphi...	https://rukminim1.flixcart.com/image/832/832/k...	ASUS Core i9	269990	newlap
ASUS3	ASUS	Intel Core i3-10110U 10th Gen 14 FHD Touch	https://m.media-amazon.com/images/I/71C-Yn...	ASUS Vivobook Flin 14	46000	newlap

#	Time	Action	Message	Duration / Fetch
30	17:31:17	insert into product (id,name,imglink,descp,price,style,brand) values('13','Thinkpad E14 11th Gen (Intel)',...)	1 row(s) affected	0.000 sec
31	17:31:17	insert into product (id,name,imglink,descp,price,style,brand) values('14','Lenovo V15 (AMD)',...)	1 row(s) affected	0.000 sec
32	17:31:17	insert into product (id,name,imglink,descp,price,style,brand) values('16','Flex 5i (14,Intel)',...)	1 row(s) affected	0.000 sec
33	17:31:17	insert into product (id,name,imglink,descp,price,style,brand) values('15','Yoga 7 Gen 6 (14, AMD)',...)	1 row(s) affected	0.000 sec

➤ We insert a product in database.



Categories page:

S Categories x +
localhost:8080/categoriesPage

shoppyTech..

HOME ABOUT CONTACT CATEGORIES CART WISH LOGOUT

Categories

HP

HP Laptops

INSTOCK ★★★★

GO NOW



New Laptops

INSTOCK ★★★★

GO NOW

acer

Acer Laptops

INSTOCK ★★★★

GO NOW



Thin Laptops

INSTOCK ★★★★

GO NOW

ASUS

Asus Laptops

INSTOCK ★★★★

GO NOW



Gaming laptops

INSTOCK ★★★★

GO NOW

LENOVO

Lenovo Laptops

INSTOCK ★★★★

GO NOW



Working Laptops

INSTOCK ★★★★

GO NOW

Windows Search File Explorer Microsoft Edge Mail OneDrive Task View Taskbar Icons ENG IN 6:09 PM 30-Jan-22



Categories Page:

ACER Laptops

Displaying laptops

localhost:8080/categories/brand/ACER

shoppyTech..

Laptops

Acer Aspire 7

NEW/POP

10th Generation i5-10300H processor 8 GB of DDR4 1TB SSD FHD

Price ₹ 54990.0 34 reviews

Add to cart Wish list

Acer Predator Helios Gaming

SHINY

11th Generation Intel i7-11800 processor 16 GB of DDR4 1TB SSD

Price ₹ 139990.0 34 reviews

Add to cart Wish list

Acer Aspire 3

3.0

11th Generation Intel Core i5-1135G7 8GB DDR4 120GB SSD 1TB HDD

Price ₹ 59990.0 34 reviews

Add to cart Wish list

Acer Extensa Laptop Intel Pentium Quad Core

WARNING

Intel® Pentium® Silver N5030 processor 2GB PCIe NVMe SSD 3GB

Price ₹ 22999.0 34 reviews

Add to cart Wish list

Acer Aspire Vero

3.0

Windows 11 Home Intel Core i5-1135G7 Processor 12GB 1TB SSD

Price ₹ 79990.0 34 reviews

Add to cart Wish list

Acer Nitro AN515-56

GAMING

AMD Ryzen™ 7 processor Windows 11 1TB HDD M.2 SSD 13.3

Price ₹ 89990.0 34 reviews

Add to cart Wish list

HP Laptops

Displaying laptops

localhost:8080/categories/brand/HP

shoppyTech..

Laptops

HP Victus 16-e0076AX

GAMING

Ryzen 5 5600H 8GB DDR4 3200MHz RAM 512GB SSD 16.1-inches FHD, 80Hz

Price ₹ 89990.0 34 reviews

Add to cart Wish list

HP Pavilion Gaming 15-dk1148TX

GAMING

Core i5 10300H 8GB DDR4 3633MHz 512GB SSD 18.5-inches FHD, 144Hz GT7155

Price ₹ 72100.0 34 reviews

Add to cart Wish list

HP ENVY x360 Convert 13-bd0515TU

WARNING

Intel® Core™ i7 processor 112.68 PCIe NVMe™ TLC SSD

Price ₹ 149990.0 34 reviews

Add to cart Wish list

HP Pavilion x360 Convertible 14-dy1013TU

3.0

11th Generation Intel Core i5-1135G7 8GB 1TB SSD 14.1-inches X Graphics

Price ₹ 65999.0 34 reviews

Add to cart Wish list

HP Pavilion Aero Laptop 13-be0208AU

WARNING

AMD Ryzen™ 7 processor Windows 11 1TB HDD M.2 SSD 13.3

Price ₹ 89990.0 34 reviews

Add to cart Wish list

HP Chromebook x360 AMD 3015CE

3.0

AMD Ryzen™ 5 processor Windows 11 1TB HDD M.2 SSD 13.3

Price ₹ 49990.0 34 reviews

Add to cart Wish list

ENG IN 6:10 PM 30-Jan-22

ASUS Laptops

Displaying laptops

localhost:8080/categories/brand/ASUS

shoppyTech..

Laptops



ASUS Zenbook Pro Duo UX581
Windows 10 10th Gen Intel i7 32 GB memory 1 TB PCIe SSD storage
Price € 12000.0 34 reviews

Add to cart  Wish list 



ASUS Core i9
NEW LAPTOP
12 GB RAM 1 TB SSD Windows 10 Home 8 GB Graphics NVIDIA GeForce RTX 3050
Price € 20000.0 34 reviews

Add to cart  Wish list 



ASUS Vivobook Flip 14
NEW LAPTOP
Intel Core i5-1135G7 11th Gen. 14 FHD Touch Laptop 8GB 1TB SSD
Price € 4900.0 34 reviews

Add to cart  Wish list 



ASUS Vivobook K15 OLED
WORKING
Intel Core i5-1135G7 11th Gen. Thin and Light Laptop 8GB 1TB SSD
Price € 4000.0 34 reviews

Add to cart  Wish list 



ASUS TUF Dash F15
WORKING
FHD 144Hz Intel Core i5-11300H 11th Gen. RTX 3050 4GB Graphics
Price € 2700.0 34 reviews

Add to cart  Wish list 



ASUS TUF Gaming A15
WORKING



8:11 PM 30-Jan-22

ENG IN

LENOVO Laptops

Displaying laptops

localhost:8080/categories/brand/LENOVO

shoppyTech..

Laptops



Lenovo IdeaPad Gaming 3
GAMING
Ryzen 5 4600H 8GB DDR4 1TB SSD 15.6-inches FHD with 120Hz 165Hz
Price € 8500.0 34 reviews

Add to cart  Wish list 



IdeaPad Slim 3i (15, Intel)
SLIM
4 GB Sodimm DDR4 2666MHz + 4 GB SO-DIMM DDR4 2666MHz
Price € 35100.0 34 reviews

Add to cart  Wish list 



ThinkBook 14 Gen 2 (Intel)
WORKING
8 GB Sodimm DDR4 3200MHz
Price € 3200.0 34 reviews

Add to cart  Wish list 



Thinkpad E14 11th Gen (Intel)
WORKING
4 GB SO-DIMM DDR4 3200MHz
Price € 4900.0 34 reviews

Add to cart  Wish list 



Lenovo V15 (AMD)
NEW LAPTOP
4 GB Sodimm + 4 GB SO-DIMM
Price € 4200.0 34 reviews

Add to cart  Wish list 



Yoga 7 Gen 6 (14, AMD)
NEW LAPTOP



8:11 PM 30-Jan-22

ENG IN

Thin Laptop

Displaying laptops

localhost:8080/categories/slim

shoppyTech..

Laptops

Acer Aspire 3
SLIM
11th Gen Intel Core i5-1135G7 8GB DDR4 128GB SSD 1TB HDD
Price ₹ 38999.00 34 reviews
Add to cart Wish list

Acer Aspire Vero
SLIM
Windows 11 Home 84-bit Intel Core i5-1135G7 Processor 12GB RAM 512GB SSD
Price ₹ 47999.00 34 reviews
Add to cart Wish list

ASUS Zenbook Pro Duo UX581
SLIM
Windows 10 8th Gen Intel i9 32 GB memory 1TB PCIe SSD storage
Price ₹ 129999.00 34 reviews
Add to cart Wish list

HP Pavilion x360 Convertible 14-dy1013TU
SLIM
11th Generation i9 10 GB M.2 SSD 14 Intel Iris Xe Graphics
Price ₹ 89999.00 34 reviews
Add to cart Wish list

HP Chromebook x360 AMD 3015CE
SLIM
AMD Ryzen 5 4000 4GB LPDDR4 64GB eMMC Storage 14-inch Touchscreen
Price ₹ 33999.00 34 reviews
Add to cart Wish list

Ideapad Slim 3i (15, Intel)
SLIM

Gaming Laptop

Displaying laptops

localhost:8080/categories/gaming

shoppyTech..

Laptops

Acer Predator Helios Gaming
GAMING
11th Gen Intel i9-11900 processor 16 GB of DDR4 1 TB SSD
Price ₹ 139999.00 34 reviews
Add to cart Wish list

Acer Nitro AN15-56
GAMING
11th Gen i7 11370H 8GB DDR4 1TB SSD 15.6-inch FHD 144Hz GTX 1650
Price ₹ 89999.00 34 reviews
Add to cart Wish list

HP Victus 16-e0076AX
GAMING
Ryzen 5 5600H 8GB DDR4 12800MHz RAM 512GB SSD 16.1-inches FHD 160Hz
Price ₹ 89999.00 34 reviews
Add to cart Wish list

Acer Nitro AN15-44
GAMING
Ryzen 5 4600H 16GB DDR4 512GB SSD 15.6-inches FHD 160Hz GTX 1650
Price ₹ 79999.00 34 reviews
Add to cart Wish list

Lenovo IdeaPad Gaming 3
GAMING
Ryzen 5 4800H 8GB DDR4 512GB SSD 15.6-inches FHD with 120Hz 165Hz
Price ₹ 31000.00 34 reviews
Add to cart Wish list

HP Pavilion Gaming 15-dk1148TX
GAMING

ENG IN 6:12 PM 30-Jan-22

Working Laptop

Displaying laptops x +

localhost:8080/categories/working

shoppyTech..

HOME ABOUT CONTACT CATEGORIES CART WISH LOGOUT

Laptops

 Acer Extensa Laptop Intel Pentium Quad Core
WORKING
Intel® Pentium® Silver N5030 processor 256 GB PCIe NVMe SSD 8 GB
Price: ₹ 28000.0 34 reviews
[Add to cart](#) [Wish list](#)

 ASUS Vivobook K15 OLED
WORKING
Intel Core i3-1115G4 11th Gen, Thin and Light Laptop 8GB/512GB SSD
Price: ₹ 49000.0 34 reviews
[Add to cart](#) [Wish list](#)

 ASUS TUF Dash F15
WORKING
FHD 144Hz, Intel Core i5-11300H 11th Gen, RTX 3050 4GB Graphics
Price: ₹ 67990.0 34 reviews
[Add to cart](#) [Wish list](#)

 HP ENVY x360 Convert 13-bd0515TU
WORKING
Intel® Core™ i7 processor 512 GB PCIe® NVMe™ TLC SSD
Price: ₹ 104999.0 34 reviews
[Add to cart](#) [Wish list](#)

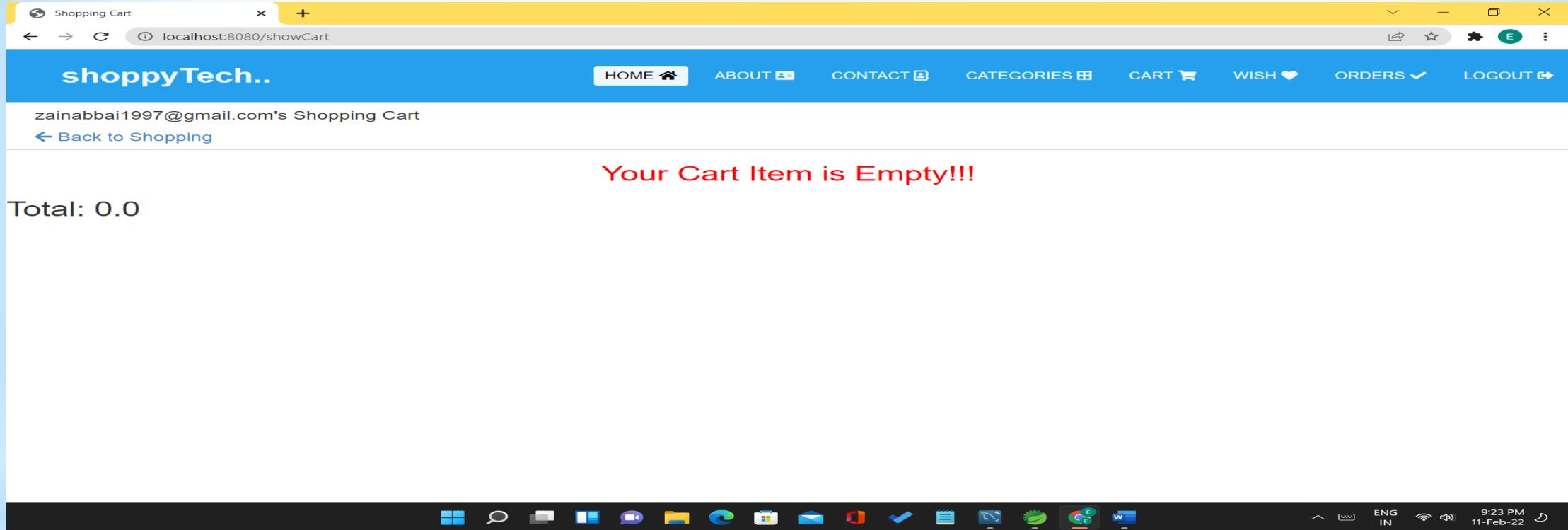
 HP Pavilion Aero Laptop 13-be0208AU
WORKING
AMD Ryzen™ 7 processor Windows 11 1 TB HDD M.2 SSD 13.3
Price: ₹ 88999.0 34 reviews
[Add to cart](#) [Wish list](#)

 HP Victus 16 E Series
WORKING

Windows 11 Pro, Intel Core i7-12700H, 16GB RAM, 512GB SSD, NVIDIA GeForce RTX 3060, 16.1" FHD 144Hz, Backlit Keyboard, Win 11 Pro, Intel Core i7-12700H, 16GB RAM, 512GB SSD, NVIDIA GeForce RTX 3060, 16.1" FHD 144Hz, Backlit Keyboard

^ ⌂ ENG IN WiFi 6:13 PM 30-Jan-22

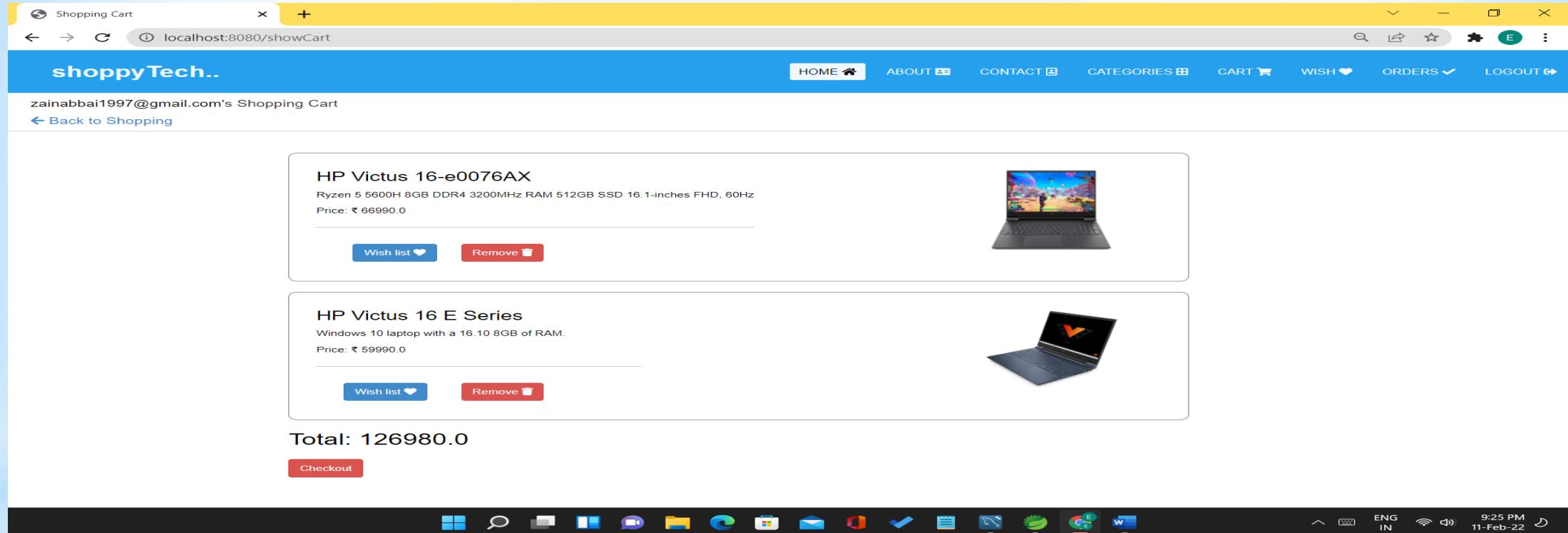
Empty Cart:



- We allocate separate cart and wish list space for every customer, we allocate this by using customer email address.
- In this cart and wish list we add and remove a product according to our wish.
- On clicking Add to cart the product is added on cart.
- On click wish list product is added on wish list.
- By clicking remove button data is removed.



Cart Page:



- When the customer added the product to a cart. It displays in the cart page.



WishList Page:

The screenshot shows a web browser window titled "Wish List Cart" with the URL "localhost:8080/showWishList". The page is part of a website called "shoppyTech..". The navigation bar includes links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH, ORDERS, and LOGOUT. Below the navigation, there is a link to "Back to Shopping". The main content displays three products in cards:

- ASUS Vivobook Flip 14**
Price: ₹ 46990.0
Buttons: Remove, Add to cart
- HP Victus 16-e0076AX**
Price: ₹ 66990.0
Buttons: Remove, Add to cart
- Acer Aspire Vero**
Price: ₹ 57999.0
Buttons: Remove, Add to cart

The taskbar at the bottom of the screen shows various application icons, and the system tray indicates the date as 11-Feb-22 and the time as 9:26 PM.

- When the customer likes the particular product the customer can add the product to the wish list.

Add and Removal part in Database Storage:

The screenshot shows the MySQL Workbench interface. In the top-left, the Navigator pane lists several databases: books_data, employeemanagement, laptop_shop_management, login, myblog, placementmanagement, quartz_demo, sakila, sms, spring_shoppingcartdb2, springbootcrudexample, springcrud, sys, vis, and world. The laptop_shop_management database is selected. The main area displays a SQL query:

```
15
16 • CREATE TABLE cart_items (
17     id int auto_increment,
18     product_id varchar(20) not null,
19     user_email varchar(100) not null,
20     PRIMARY KEY (id),
21     FOREIGN KEY (product_id) REFERENCES product(id)
22 );
23 • select * from cart_items;
24
```

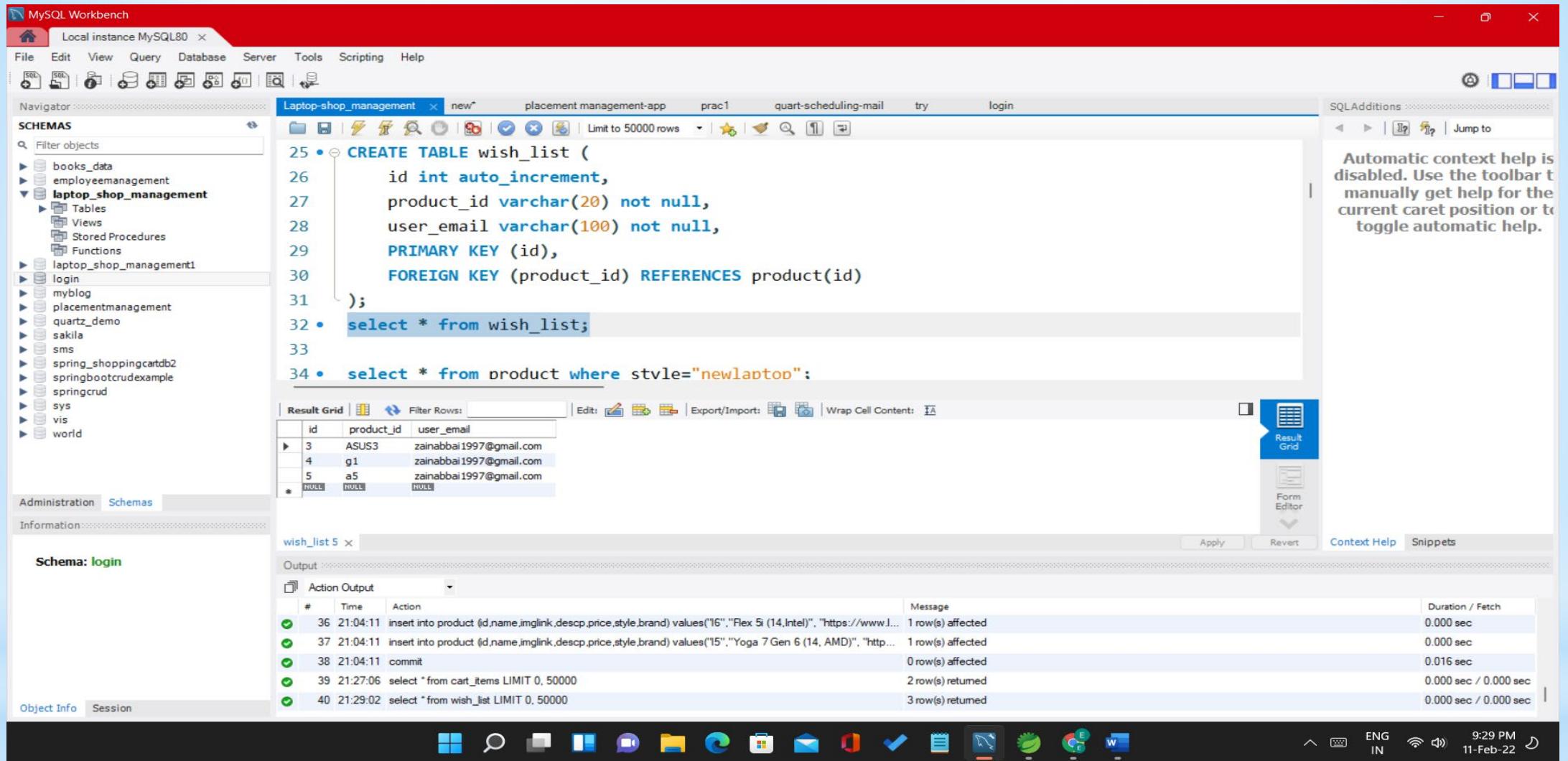
The results grid shows two rows of data:

	id	product_id	user_email
▶	3	g1	zainabai1997@gmail.com
*	4	h5	zainabai1997@gmail.com
*	HULL	HULL	HULL

The bottom pane, titled "Output", shows the execution log:

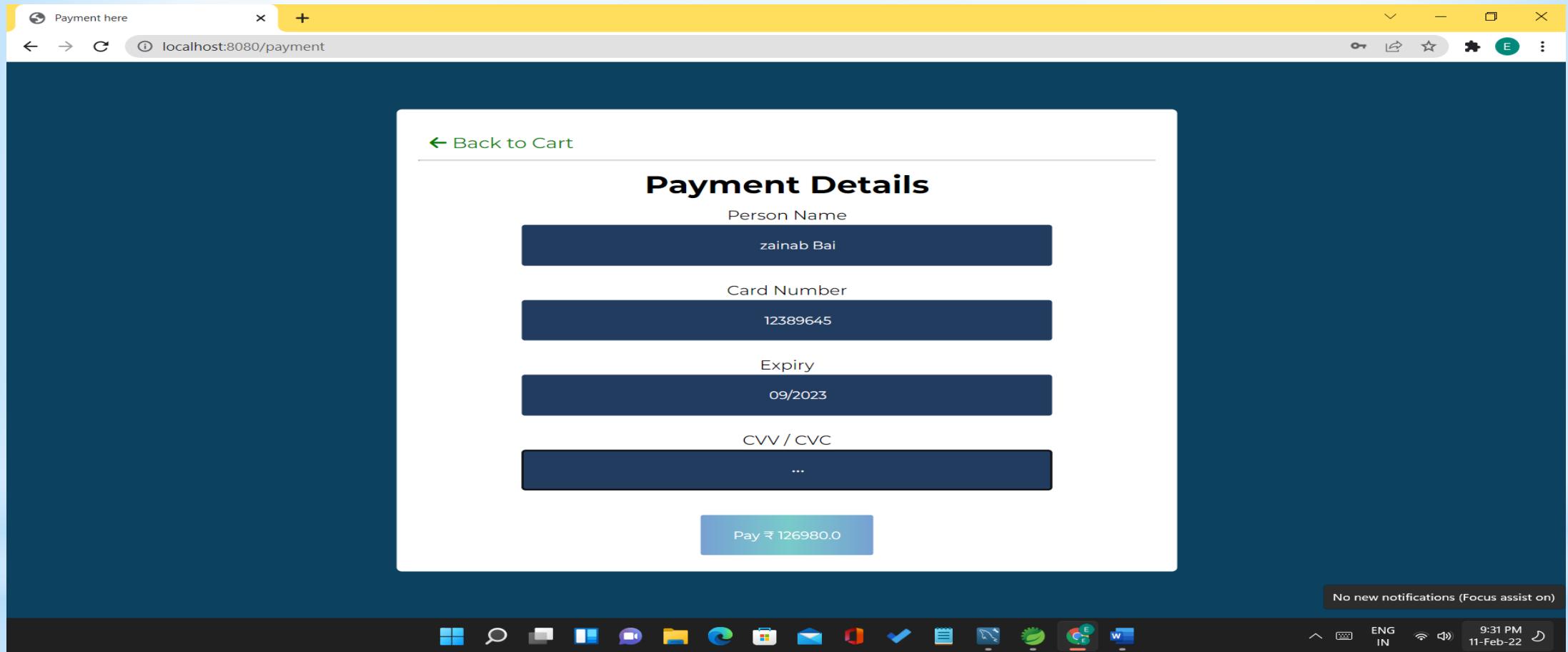
#	Time	Action	Message	Duration / Fetch
35	21:04:11	insert into product (id,name,imglink,descp,price,style,brand) values("14","Lenovo V15 (AMD)", "https://w...", "1 row(s) affected	0.000 sec	
36	21:04:11	insert into product (id,name,imglink,descp,price,style,brand) values("16","Flex 5i (14,Intel)", "https://www.l...", "1 row(s) affected	0.000 sec	
37	21:04:11	insert into product (id,name,imglink,descp,price,style,brand) values("15","Yoga 7 Gen 6 (14, AMD)", "http...", "1 row(s) affected	0.000 sec	
38	21:04:11	commit	0 row(s) affected	0.016 sec
39	21:27:06	select * from cart_items LIMIT 0, 50000	2 row(s) returned	0.000 sec / 0.000 sec

- In this id 1 and 2 is removed by using delete by id.



➤ In whish List id 1and 2 is removed.

❖ Payment page:



- In this id 1 and 2 is removed by using delete by id.

Checkout Page:

The screenshot shows a web browser window titled "Check out page" with the URL "localhost:8080/cart/checkout?". A purple link "Back to Shopping" is visible. The main content area contains a message "Thanks for using our App!!!", followed by customer details: Name : zainab bai, Number : 9176374770, Address : Chennai. Below this is a table showing the purchase summary:

Product Id	Product	Amount
g1	HP Victus 16-e0076AX	₹ 66990.0
h5	HP Victus 16 E Series	₹ 59990.0
	Total	₹ 126980.0

The browser's taskbar at the bottom shows various pinned icons, and the system tray indicates the date as 11-Feb-22 and the time as 9:31 PM.

- The checkout page that represents the bill for the product purchased by the customer.

Order Table:

The screenshot shows the MySQL Workbench interface with the following details:

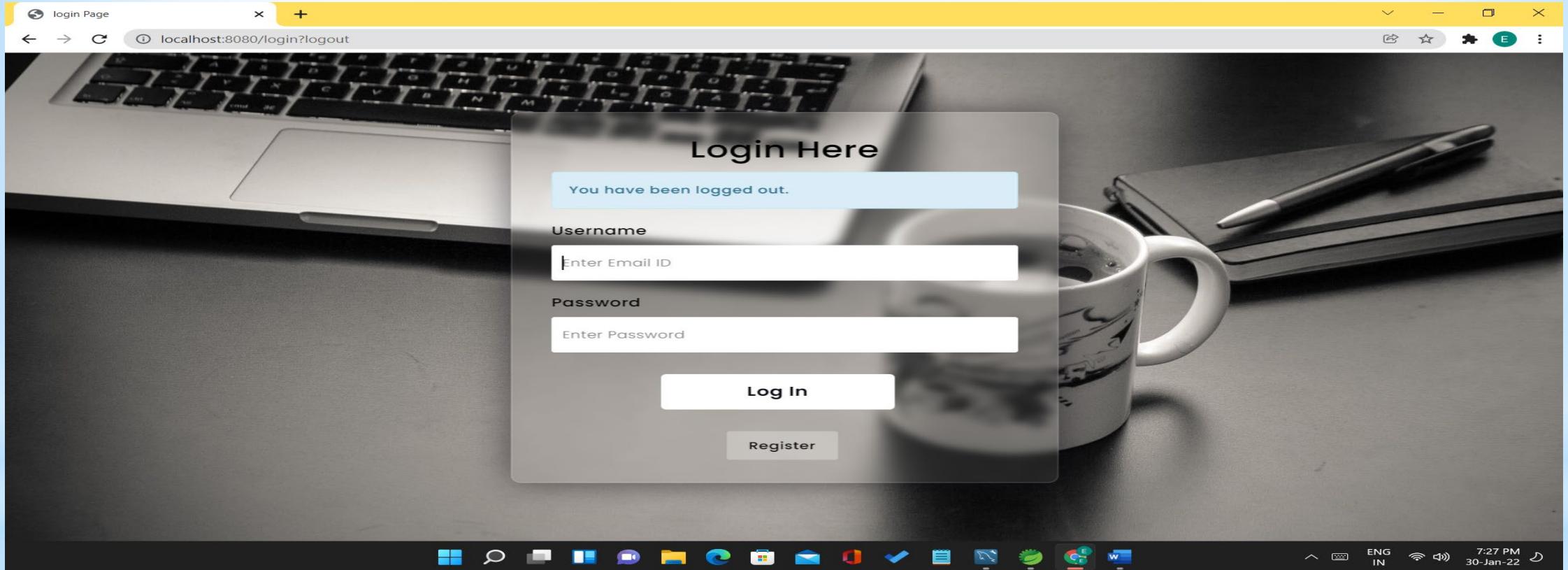
- File menu:** File, Edit, View, Query, Database, Server, Tools, Scripting, Help.
- Schemas:** Local instance MySQL80, Navigator, Schemas (selected), Administration, Information, Object Info, Session.
- Current Schema:** laptop_shop_management
- Query Editor:** Contains the following SQL code:

```
L65 • select * from user;
L66 • select * from users_roles;
L67 • select * from product;
L68 • select * from cart_items;
L69 • select * from wish_list;
L70 • select * from orders;
L71 • commit;
L72
```
- Result Grid:** Shows the results of the last query (orders).

id	user_email	product_id
1	zainabbai1997@gmail.com	g1
2	zainabbai1997@gmail.com	h5
*	NULL	NULL
- Output:** Action Output pane showing the history of actions taken.

#	Time	Action	Message	Duration / Fetch
1	21:32:32	use laptop_shop_management	0 row(s) affected	0.000 sec
2	21:32:38	select * from orders LIMIT 0, 50000	2 row(s) returned	0.000 sec / 0.000 sec
- Help:** SQLAdditions, Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Logout Page:



- The customer has been loggedout.

Thank You