



A Project
Report On

Laptop-Shop-Management

By
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Batch: 2021 – 6334

Center: Bangalore (Tc - Palya)

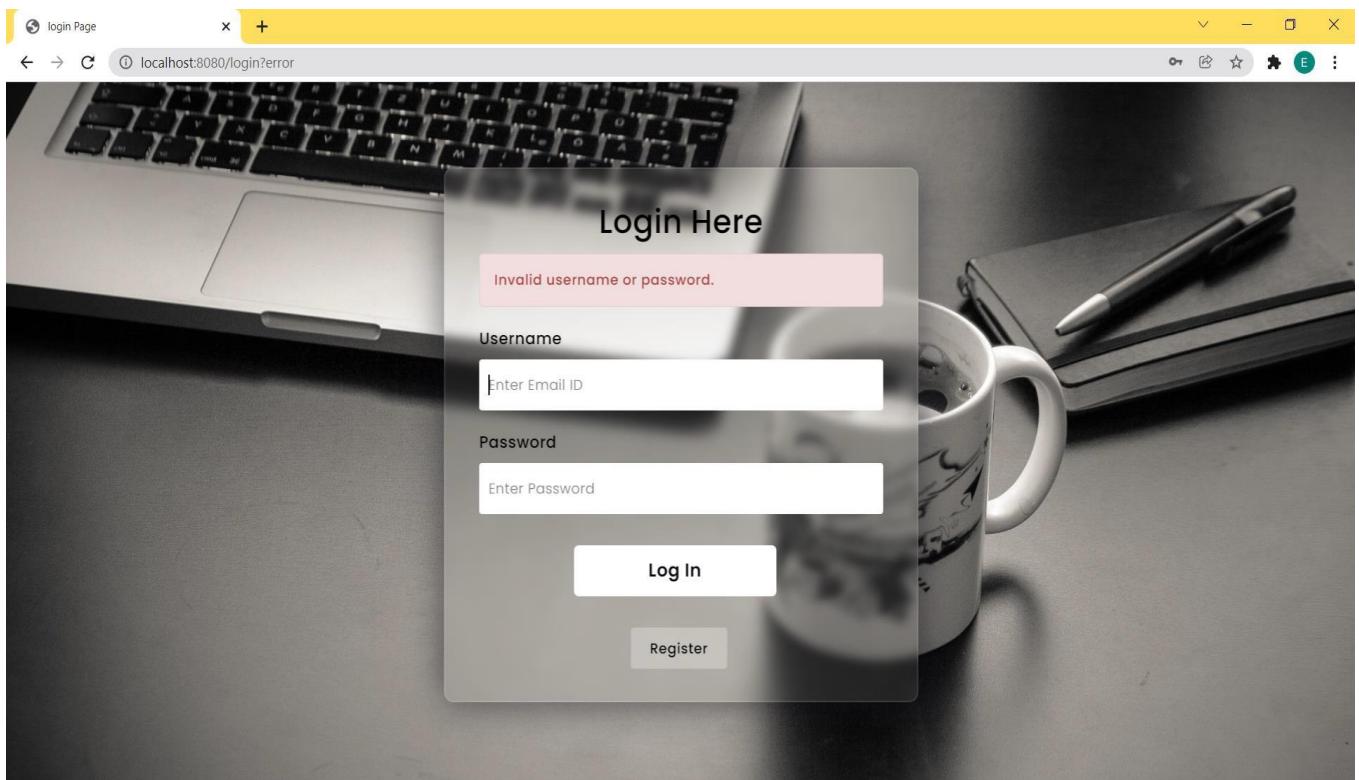
Under the Guidance of,
Mrs. Anjana Sarode

Technical Trainer

EduBridge

(School of coding)

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.

Role-User Table:

The screenshot shows the MySQL Workbench interface. In the SQL editor tab, the following SQL code is run:

```
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;
8
```

The Result Grid shows the following data:

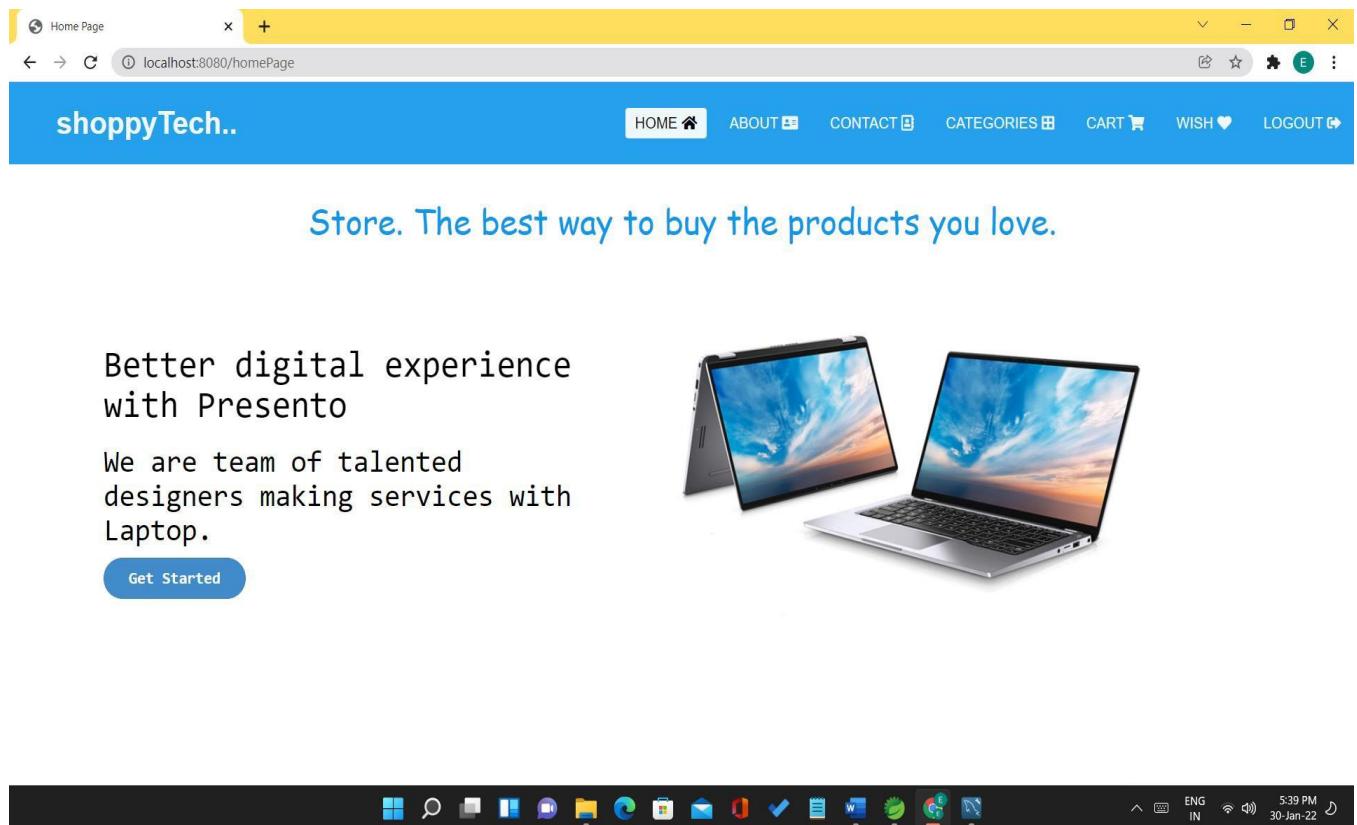
user_id	role_id
1	1

In the Output tab, the log shows the following actions:

#	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	selectFrom role LIMIT 0, 50000	1 row(s) returned	0.016 sec / 0.000 sec
4	17:16:32	selectFrom user LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec
5	17:16:52	selectFrom users_roles LIMIT 0, 50000	1 row(s) returned	0.000 sec / 0.000 sec

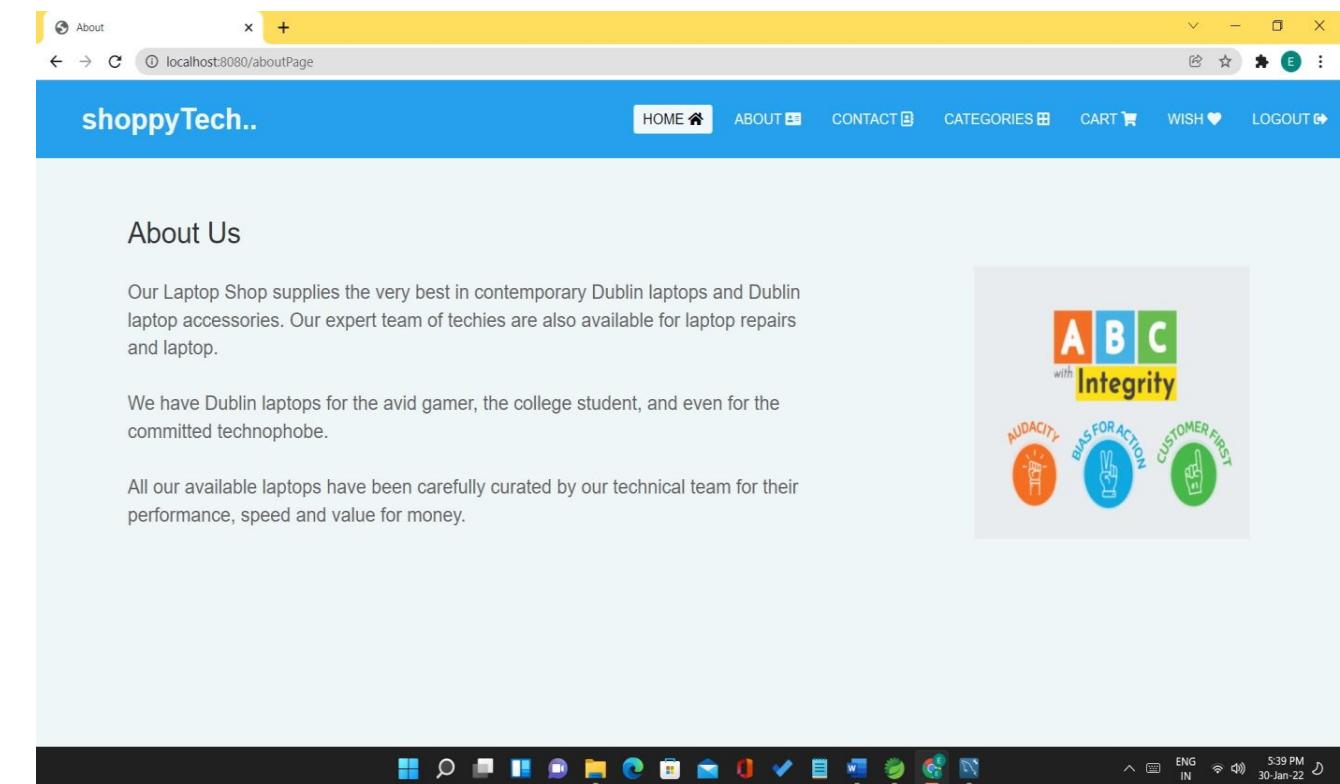
- In role table we get user **name** and **id**.
- In User Table we get the user details like name, address, email, phone number, password.
- The **password is Encrypted by spring security**.
- By joining the role and user table by using many to many hibernate method create Role-User table by referencing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

Home Page:



A screenshot of a web browser window showing the home page of a website named "shoppyTech..". The browser's address bar shows "localhost:8080/homePage". The page has a blue header with the site name and navigation links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH, and LOGOUT. Below the header is a tagline: "Store. The best way to buy the products you love." On the left, there is text about "Better digital experience with Presento" and "We are team of talented designers making services with Laptop.", followed by a "Get Started" button. On the right, there are two laptops displayed. The taskbar at the bottom shows various application icons.

About page:



A screenshot of a web browser window showing the "About" page of the shoppyTech.. website. The browser's address bar shows "localhost:8080/aboutPage". The page has a blue header with the site name and navigation links. Below the header is a section titled "About Us". It contains text about the company's offerings and values, along with three circular icons representing "AUDACITY", "BIAS FOR ACTION", and "CUSTOMER FIRST". To the right of the text is a graphic featuring the letters "ABC" in a grid and the word "with Integrity". The taskbar at the bottom shows various application icons.

Contact Page:

A screenshot of a web browser displaying the contact page of a website named "shoppyTech..". The page has a blue header with navigation links for 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". To the right of the form, there is contact information including a location pin icon followed by "Bangalore, India.", a phone icon followed by "+91 9876543211", a fax icon followed by "04232 9876543", and an envelope icon followed by the email address "contactus@lapcraft.com". A "Send" button is located at the bottom left of the form.

On clicking send Button:

A screenshot of a web browser displaying the contact page of a website named "shoppyTech..". The page has a blue header with navigation links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH, and LOGOUT. The main content area is titled "Contact us" and contains a message: "Your query has been received successfully!!!". Below this message, it says "Our team will come back to you within a matter of hours to help you". At the bottom of the screen, the Windows taskbar is visible with various pinned icons and system status indicators.

Product:

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 3200MHz 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");

insert into product (id,name,imglink,descp,price,style,brand)
values("acer1","Acer Nitro AN515-56",
"https://vsbytes.com/wp-content/uploads/2021/06/AN515-56.webp",
"11th Gen i7 11370H 8GB DDR4 1TB SSD 15.6-inch FHD,144Hz GTX
1650",86999.99,"gaming","ACER");

insert into product (id,name,imglink,descp,price,style,brand) values("g4","HP Pavilion Gaming 15-dk1148TX",
"https://vsbytes.com/wp-content/uploads/2021/07/15-dk1148TX.webp",
"Core i5 8GB DDR4 2933MHz 512GB SSD 15.6-inch FHD, 144Hz GTX
1650",72100.00,"gaming","HP");

insert into product (id,name,imglink,descp,price,style,brand) values("a1","Acer Aspire 7",
"https://static-ecapac.acer.com/media/catalog/product/cache/3406b1b44daa08472620e74815bd5d93/a/s/aspire-7-1_2_2.jpg","10th Generation i5-10300H processor 8 GB of
DDR4 512 GB SSD FHD",54990.00,"newlaptop","ACER");

insert into product (id,name,imglink,descp,price,style,brand) values("a2","Acer Predator Helios Gaming",
"https://static-ecapac.acer.com/media/catalog/product/cache/3406b1b44daa08472620e74815bd5d93/u/n/untitled-2_4_3.jpg","11th Genertion Intel i9-11900 processor 16 GB
of DDR4 1 TB SSD",139999.00,"gaming","ACER");

insert into product (id,name,imglink,descp,price,style,brand) values("a3","Acer Aspire 3",
"https://static-ecapac.acer.com/media/catalog/product/cache/3406b1b44daa08472620e74815bd5d93/a/s/aspire-3-a315-58-fp-primary_image_3.png","11th Generation Intel
Core i5-1135G7 8GB DDR4 128GB SSD 1 TB
HDD",58999.00,"slim","ACER");

```
insert into product (id,name,imglink,descp,price,style,brand) values("a4","Acer Extensa Laptop Intel Pentium Quad Core",
"https://static-
ecapac.acer.com/media/catalog/product/cache/3406b1b44daa08472620e74815b
d5d93/a/c/acer-extensa-15-ex215-21-21g-31-wp-win10-01_1_1.jpg","Intel®
Pentium® Silver N5030 processor 256 GB PCIe NVMe SSD 8
GB",28999.00,"working","ACER");
```

```
insert into product (id,name,imglink,descp,price,style,brand) values("a5","Acer Aspire Vero",
"https://static-
ecapac.acer.com/media/catalog/product/cache/3406b1b44daa08472620e74815b
d5d93/v/e/vero2.jpg","Windows 11 Home 64-bit Core i5-1155G7 Processor
12GB 512GB SSD ",57999.00,"slim","ACER");
```

```
insert into product (id,name,imglink,descp,price,style,brand)
values("l1","IdeaPad Slim 3i (15, Intel)",
"https://www.lenovo.com/medias/lenovo-laptop-ideapad-3-15-intel-
hero.png?context=bWFzdGVyfHJvb3R8MzAzNDQ1fGltYWdlL3BuZ3xoNjY
vaDY2LzEwNzU3MjQxNTAzNzc0LnBuZ3xjMzU3NWY4OGEyYjYzYTEw
OGFIYzhiNWJhODEwYzA1MTlkNDYxODI3ZGQzM2IzYTRhYmY4M2Yz
Y2NjYjhOGJj",
4 GB Soldered DDR4 2666MHz + 4 GB SO-DIMM DDR4
2666MHz",39190.00,"slim","LENOVO");
```

```
insert into product (id,name,imglink,descp,price,style,brand)
values("ASUS1","ASUS Zenbook Pro Duo UX581",
"https://dlcdnwebimags.asus.com/gain/101212fc-bf0a-4af3-836f-
ba3e296ced65/w185/fwebp","Windows 10 9th Gen Intel i9 32 GB memory 1
TB PCIe SSD storage",125000.00,"slim","ASUS");
```

```
insert into product (id,name,imglink,descp,price,style,brand)
values("ASUS2","ASUS Core i9",
"https://rukminim1.flixcart.com/image/832/832/kcauaa80/computer/h/w/c/asus- na-
gaming-laptop-original-imaftgegf4cqbmq.jpeg?q=70","32 GB/1 TB
SSD/Windows 10 Home/6 GB Graphics/NVIDIA GeForce RTX
2060",269990.00,"newlaptop","ASUS");
```

```
insert into product (id,name,imglink,descp,price,style,brand)
```

```
values("ASUS3","ASUS Vivobook Flip 14",
"https://m.media-amazon.com/images/I/71C-YpFn0zS._AC_UY327_FMwebp_QL65_.jpg","Intel Core i3-10110U 10th Gen,
14 FHD Touch, Laptop 8GB/256GB SSD",46990.00,"newlaptop","ASUS");
```

```
insert into product (id,name,imglink,descp,price,style,brand)
values("ASUS4","ASUS Vivobook K15 OLED",
"https://m.media-
amazon.com/images/I/81US4GKwGCL._AC_UY327_QL65_.jpg","Intel Core
i3-1115G4 11th Gen, Thin and Light Laptop 8GB/512GB
SSD",49009.00,"working","ASUS");
```

```
insert into product (id,name,imglink,descp,price,style,brand)
values("ASUS5","ASUS TUF Dash F15",
"https://m.media-
amazon.com/images/I/81mLxU0CcAL._AC_UY327_QL65_.jpg"," FHD
144Hz, Intel Core i5-11300H 11th Gen, RTX 3050 4GB
Graphics",67990.00,"working","ASUS");
```

```
insert into product(id,name,imglink,descp,price,style,brand) values("h1","HP
ENVY x360 Convert 13-bd0515TU",
"https://in-
media.apjonlinecdn.com/catalog/product/cache/b3b166914d87ce343d4dc5ec51
17b502/c/0/c07613945.png",
"Intel® Core™ i7 processor 512 GB PCIe® NVMe™ TLC
SSD",104999.00,"working","HP");
```

```
insert into product(id,name,imglink,descp,price,style,brand) values("h2","HP
Pavilion x360 Convertible 14-dy1013TU",
"https://in-
media.apjonlinecdn.com/catalog/product/cache/b3b166914d87ce343d4dc5ec51
17b502/2/1/21c1_pavilion_slinky_14_ffplus_naturalsilver_fpr_win10_coreset_t
ent_2_5.png",
"11th Generation 512 GB M.2 SSD 14 Intel Iris Xe
Graphics",88999.00,"slim","HP");
```

```
insert into product(id,name,imglink,descp,price,style,brand) values("h3","HP
Pavilion Aero Laptop 13-be0208AU",
```

"https://in-media.apjonlinecdn.com/catalog/product/cache/b3b166914d87ce343d4dc5ec5117b502/2/1/21c1_pavilion_zurg_13_palerosegold_nt_nonodd_fpr_upccam_freedos_coreset_frontleft_3.png",
"AMD Ryzen™ 7 processor Windows 11 1 TB HDD M.2 SSD
13.3",86999.00,"Working","HP");

insert into product(id,name,imglink,descp,price,style,brand) values("h4","HP Chromebook x360 AMD 3015CE",
"https://m.media-amazon.com/images/I/81hoonPUdxL._AC_UY327_FMwebp_QL65_.jpg",
" AMD 3015CE-4GB SDRAM/64GB eMMC Storage 14-inch
Touchscreen",30990.00,"slim","HP");

insert into product(id,name,imglink,descp,price,style,brand) values("h5","HP Victus 16 E Series",
"https://i.gadgets360cdn.com/products/large/HP-Victus-DB-897x800-1627278526.jpg?downsize=*:180",
"Windows 10 laptop with a 16.10 8GB of RAM.",59990.00,"working","HP");

insert into product(id,name,imglink,descp,price,style,brand) values("h6","HP Spectre x360 Convertible 13-aw2003TU",
"https://in-media.apjonlinecdn.com/catalog/product/cache/b3b166914d87ce343d4dc5ec5117b502/c/0/c06472419_7.png",
"11th Gen Intel® Core™ i5 processor Windows 10 512 GB SSD
13.3",99999.00,"working","HP");

insert into product (id,name,imglink,descp,price,style,brand)
values("l2","ThinkBook 14 Gen 2 (Intel)",
"https://www.lenovo.com/medias/ThinkBook-14-Gen-2-Intel-hero.png?context=bWFzdGVyfHJvb3R8NjYwMDh8aW1hZ2UvcG5nfGg2NC9oZjYvMTMwMzMMyMzY0NjM2NDYucG5nfDdlZWU5OGJIYzllYWI0OTM

2NDcyMjMwYzA4ZmY3OWRjZDFkNTI4NjgxNWJhOGRmNmZlYTE3OW
UzODhmOWQyZjM ","8 GB Soldered DDR4
3200MHz",82990.00,"working","LENOVO");

insert into product (id,name,imglink,descp,price,style,brand)
values("l3","Thinkpad E14 11th Gen (Intel)",
"https://www.lenovo.com/medias/Thinkpad-E14-Gen-2-Intel-subseries-
hero.png?context=bWFzdGVyfHJvb3R8NjIwOTZ8aW1hZ2UvcG5nfGhmOC9
oZjEvMTI5OTUxNzcwODcwMDYucG5nfGMwN2NhNDE4N2U1NDU2ZjBj
MDhmN2FmNGUwNDUxNmVINGNhMmIxNDMxNjhhNWEwMTM5ZmRm
ZDNIY2M4NDM0MGE","4 GB SO-DIMM DDR4
3200MHz",48990.00,"working","LENOVO");

insert into product (id,name,imglink,descp,price,style,brand)
values("l4","Lenovo V15 (AMD)",
"https://www.lenovo.com/medias/ww-lenovo-laptop-v15-amd-
hero.png?context=bWFzdGVyfHJvb3R8NDM4OTQyfGltYWdlL3BuZ3xoZT
YvaDg2LzEwNzc4MDE1NzYwNDE0LnBuZ3xjZDdhZjRjMjAzMjgwMDVIY
2I4NjM0YWZlM2UzNGM1MWM4NTAwMzg0YzA1MTFhNDQwMWMzYz
diMzQ5ZWYwYmFi","4 GB Soldered + 4 GB SO-DIMM
,42990.00,"newlaptop","LENOVO");

insert into product (id,name,imglink,descp,price,style,brand) values("l6","Flex
5i (14,Intel)",
"https://www.lenovo.com/medias/Flex5-subseries-hero-
1.png?context=bWFzdGVyfHJvb3R8OTEyODV8aW1hZ2UvcG5nfGg3NC9o
NzUvMTE2MTM3NzAyNTIzMgcG5nfDFhYmFhY2U1N2M3YmFkOTE3
Yjk3MTY0OGRhYmIxYmI1ZTcwZDY5MjMyODQ3MWY4NmI3MTdiYTE
5NzVINThlYjk","16 GB Soldered DDR4
3200MHz",64800.00,"newlaptop","LENOVO");

insert into product (id,name,imglink,descp,price,style,brand) values("l5","Yoga
7 Gen 6 (14, AMD)",
"https://www.lenovo.com/medias/Yoga-7-Gen-6-14-AMD-SS-
Hero.png?context=bWFzdGVyfHJvb3R8NjM5NjV8aW1hZ2UvcG5nfGhjMi9o
NDgvMTM0NDI3MzUxNzc3NTgucG5nfGNmZTcxNjE5ZTA3ZjkyYjliZmFl
OTBkYjlkMWY5MGMzODR1YzBhMmM4N2ZjY2I3ZjFlZDQwNzR1ZDYxO
GExZmE","16 GB Soldered LPDDR4x
4266MHz",94490.00,"newlaptop","LENOVO");

Product Table:

The screenshot shows the MySQL Workbench interface. In the top-left pane, the 'Schemas' tree shows the 'laptop_shop_management' schema selected. In the main central pane, a SQL editor window titled 'Laptop-shop_management' contains the following code:

```

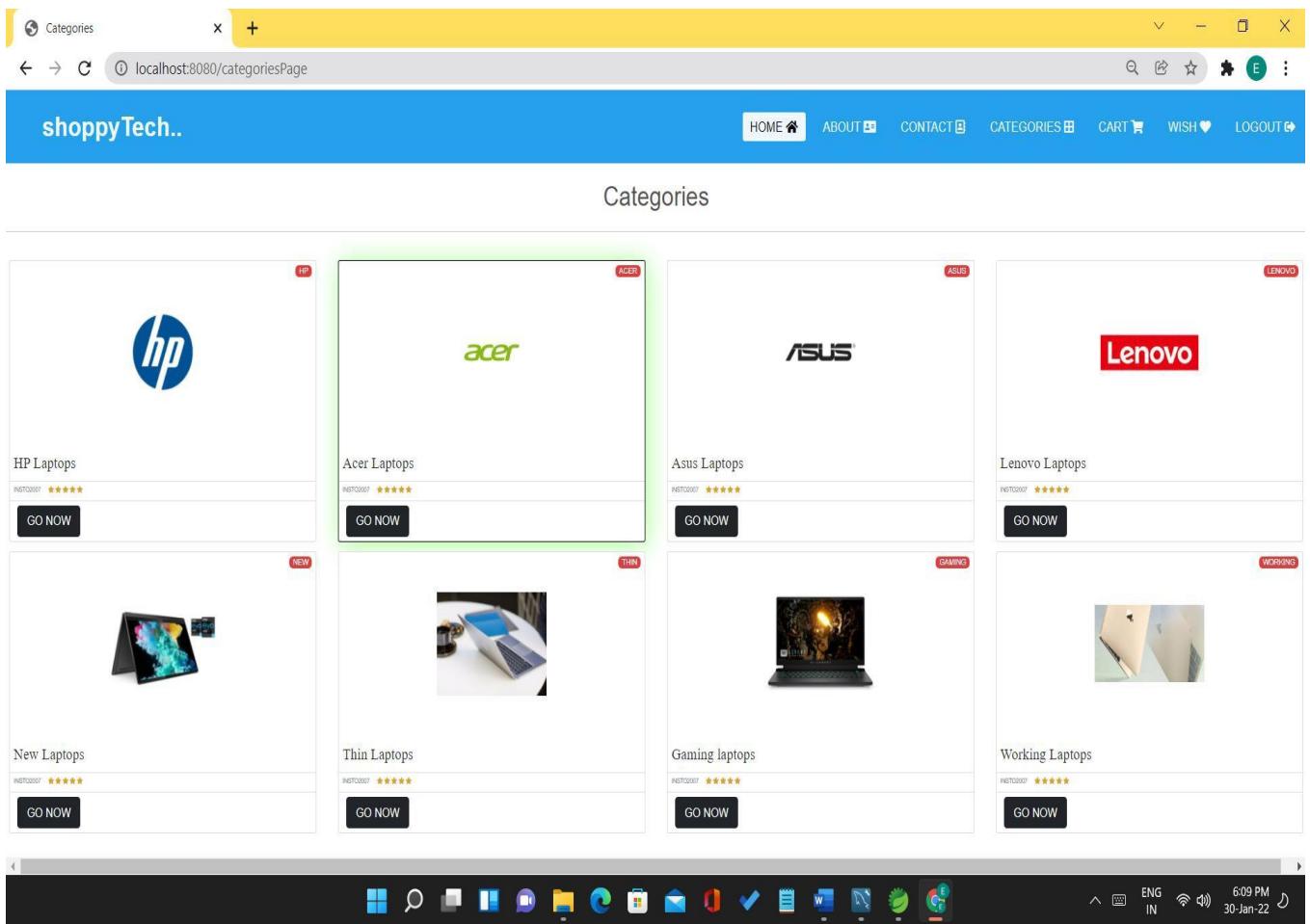
10 • create TABLE product (
11     id varchar(20) PRIMARY KEY NOT NULL,
12     imglink varchar(255) NOT NULL,
13     name varchar(100) NOT NULL,
14     descpr varchar(255) NOT NULL,
15     price double NOT NULL,
16     style varchar(100) Not null,
17     brand varchar(100) Not null
18 );
19 • select * from product;

```

Below the SQL editor is a 'Result Grid' showing the data inserted into the 'product' table. The grid has columns: id, brand, descpr, imglink, name, price, style. The data includes various laptop models like Acer Aspire, ASUS Zenbook, and HP Envy, along with their prices and descriptions.

- We insert a product in database

Categories page image:



HP Laptop:

The screenshot shows a list of six HP laptops displayed in a grid format. Each item includes a thumbnail image, the laptop's name, its category (e.g., Gaming, WORKING), key specifications, price, and review count. Buttons for 'Add to cart' and 'Wish list' are also present.

- HP Victus 16-e0076AX
GAMING
Ryzen 5 5500H 8GB DDR4 3200MHz RAM 512GB SSD 15.6-inches FHD 144Hz
Price: ₹ 65990.0 34 reviews
- HP Pavilion Gaming 15-dk1148TX
GAMING
Core i5 8GB DDR4 2666MHz 512GB SSD 15.6-inch FHD 144Hz GTX 1650
Price: ₹ 72100.0 34 reviews
- HP ENVY x360 Convert 13-bd0515TU
WORKING
Intel® Core™ i7 processor 812 GB PCIe® NVMe™ TLC SSD
Price: ₹ 104990.0 34 reviews
- HP Pavilion x360 Convertible 14-dy1013TU
SLIM
11th Generation 512 GB M.2 SSD 14 Intel Iris X Graphics
Price: ₹ 85990.0 34 reviews
- HP Pavilion Aero Laptop 13-be0208AU
WORKING
AMD Ryzen™ 7 processor Windows 11 1 TB HDD M.2 SSD 13.3
Price: ₹ 85000.0 34 reviews
- HP Chromebook x360 AMD 3015CE
SLIM

Acer laptop:

The screenshot shows a list of seven Acer laptops displayed in a grid format. Each item includes a thumbnail image, the laptop's name, its category (e.g., GAMING, SLIM), key specifications, price, and review count. Buttons for 'Add to cart' and 'Wish list' are also present.

- Acer Aspire 7
NEVHLAPTOP
10th Generation i5-10300H processor 8 GB of DDR4 812 GB SSD FHD
Price: ₹ 54990.0 34 reviews
- Acer Predator Helios Gaming
GAMING
11th Generation Intel i5-11500 processor 16 GB of DDR4 1 TB SSD
Price: ₹ 139999.0 34 reviews
- Acer Aspire 3
SLIM
11th Generation Intel Core i5-1135G7 8GB DDR4 132GB SSD 1TB HDD
Price: ₹ 55990.0 34 reviews
- Acer Extensa Laptop Intel Pentium Quad Core
WORKING
Intel® Pentium® Silver N5030 processor 256 GB PCIe NVMe SSD 8 GB
Price: ₹ 20990.0 34 reviews
- Acer Aspire Vero
SLIM
Windows 11 Home 64-bit Core i5-1155G7 Processor 12GB 512GB SSD
Price: ₹ 57999.0 34 reviews
- Acer Nitro AN515-56
GAMING

ASUS laptop:

The screenshot shows a list of six ASUS laptops on the shoppyTech website. Each item has a thumbnail image, the product name, a small description, price, and two buttons: 'Add to cart' and 'Wish list'.

- ASUS Zenbook Pro Duo UX581**
Windows 10 6th Gen Intel i9 32 GB memory 1 TB PCIe SSD storage
Price: ₹ 125000.0 34 reviews
- ASUS Core i9**
Windows 10 6th Gen Intel i9 32 GB memory 1 TB PCIe SSD storage
Price: ₹ 205000.0 34 reviews
- ASUS Vivobook Flip 14**
Windows 10 Intel Core i5-10110U 10th Gen, 14 FHD Touch, Laptop 8GB/256GB SSD
Price: ₹ 45000.0 34 reviews
- ASUS Vivobook K15 OLED**
Windows 10 Intel Core i5-11300H 11th Gen, Thin and Light Laptop 8GB/512GB SSD
Price: ₹ 42000.0 34 reviews
- ASUS TUF Dash F15**
Windows 10 FHD 144Hz, Intel Core i5-11300H 11th Gen, RTX 3050 4GB Graphics
Price: ₹ 67000.0 34 reviews
- ASUS TUF Gaming A15**

The bottom of the screen shows a Windows taskbar with various icons and system status.

Lenovo laptop:

The screenshot shows a list of five Lenovo laptops on the shoppyTech website. Each item has a thumbnail image, the product name, a small description, price, and two buttons: 'Add to cart' and 'Wish list'.

- Lenovo IdeaPad Gaming 3**
Ryzen 5 4500H 8GB DDR4 512GB SSD 15.6-inches FHD with 120Hz 1650
Price: ₹ 31000.0 34 reviews
- IdeaPad Slim 3i (15, Intel)**
4 GB Soldered DDR4 2800MHz + 4 GB SO-DIMM DDR4 2800MHz
Price: ₹ 39190.0 34 reviews
- ThinkBook 14 Gen 2 (Intel)**
8 GB Soldered DDR4 3200MHz
Price: ₹ 82900.0 34 reviews
- Thinkpad E14 11th Gen (Intel)**
4 GB SO-DIMM DDR4 3200MHz
Price: ₹ 46900.0 34 reviews
- Lenovo V15 (AMD)**
4 GB Soldered + 4 GB SO-DIMM
Price: ₹ 42900.0 34 reviews
- Yoga 7 Gen 6 (14, AMD)**

The bottom of the screen shows a Windows taskbar with various icons and system status.

New Laptop:

A screenshot of a web browser displaying a list of new laptops on a website. The browser window has a yellow header bar with the text "Displaying laptops" and a search icon. Below the header is a navigation bar with links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH LIST, and LOGOUT. The main content area is titled "Laptops". It features six product cards, each with a thumbnail image, the laptop's name, its category (NEWLAPTOP), a brief description, price, and review count. Each card also includes "Add to cart" and "Wish list" buttons.

Laptop Model	Category	Description	Price	Reviews
Acer Aspire 7	NEWLAPTOP	10th Generation i5-10300H processor 8 GB of DDR4 512 GB SSD FHD	₹ 54990.0	34 reviews
ASUS Core i9	NEWLAPTOP	32 GB/1 TB SSD/Windows 10 Home/8 GB Graphics/NVIDIA GeForce RTX 2050	₹ 229990.0	34 reviews
ASUS Vivobook Flip 14	NEWLAPTOP	Intel Core i3-10110U 10th Gen. 14 FHD Touch, Laptop 8GB/256GB SSD	₹ 49990.0	34 reviews
Lenovo V15 (AMD)	NEWLAPTOP	4 GB Soldered + 4 GB SO-DIMM	₹ 42990.0	34 reviews
Yoga 7 Gen 6 (14, AMD)	NEWLAPTOP	16 GB Soldered LPDDR4 4266MHz	₹ 94990.0	34 reviews
Flex 5i (14,Intel)	NEWLAPTOP	Windows 11 Home 11th Gen Intel Core i5-1135G7 8GB DDR4 120GB SSD 1TB HDD	₹ 59990.0	34 reviews

Thin Laptop:

A screenshot of a web browser displaying a list of thin laptops on a website. The browser window has a yellow header bar with the text "Displaying laptops" and a search icon. Below the header is a navigation bar with links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH LIST, and LOGOUT. The main content area is titled "Laptops". It features seven product cards, each with a thumbnail image, the laptop's name, its category (SLIM), a brief description, price, and review count. Each card also includes "Add to cart" and "Wish list" buttons.

Laptop Model	Category	Description	Price	Reviews
Acer Aspire 3	SLIM	11th Generation Intel Core i5-1135G7 8GB DDR4 120GB SSD 1TB HDD	₹ 59990.0	34 reviews
Acer Aspire Vero	SLIM	Windows 11 Home 64-bit Core i5-1135G7 Processor 12GB 512GB SSD	₹ 57999.0	34 reviews
ASUS Zenbook Pro Duo UX581	SLIM	Windows 10 8th Gen Intel i9 32 GB memory 1 TB PCIe SSD storage	₹ 125990.0	34 reviews
HP Pavilion x360 Convertible 14-dy1013TU	SLIM	11th Generation 8GB RAM 256GB SSD 14 Intel Iris Xe Graphics	₹ 89990.0	34 reviews
HP Chromebook x360 AMD 3015CE	SLIM	AMD 3015CE-4GB SO-RAM/8GB eMMC Storage 14-inch Touchscreen	₹ 30990.0	34 reviews
IdeaPad Slim 3i (15, intel)	SLIM	Windows 11 Home 11th Gen Intel Core i5-1135G7 8GB DDR4 120GB SSD 1TB HDD	₹ 59990.0	34 reviews

Gaming Laptop:

Laptops

- Acer Predator Helios Gaming
11th Gen Intel i9-11900 processor | 16 GB DDR4 | 1 TB SSD
Price: ₹ 139999.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- Acer Nitro AN515-56
11th Gen Intel i7-11700H 8GB DDR4 | 1TB SSD | 15.6-inch FHD | 144Hz | GTX 1650
Price: ₹ 85999.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- HP Victus 16-e0076AX
Ryzen 5 5600H 8GB DDR4 3200MHz RAM | 512GB SSD | 16.1-inches FHD, 60Hz
Price: ₹ 89999.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- Acer Nitro AN515-44
Ryzen 5 4500H 16GB DDR4 512GB SSD | 15.6-inches FHD, 60Hz | GTX 1650
Price: ₹ 79999.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- Lenovo IdeaPad Gaming 3
Ryzen 5 4500H 8GB DDR4 512GB SSD | 15.6-inches FHD with 120Hz | 165Hz
Price: ₹ 63100.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- HP Pavilion Gaming 15-dk1148TX
HDMI

Working Laptop:

Laptops

- Acer Extensa Laptop Intel Pentium Quad Core
Intel® Pentium® Silver N5030 processor | 256 GB PCIe NVMe SSD | 8 GB
Price: ₹ 23899.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- ASUS Vivobook K15 OLED
Intel Core i5-1115G4 11th Gen. Thin and Light Laptop 8GB | 512GB SSD
Price: ₹ 49299.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- ASUS TUF Dash F15
FHD | 144Hz | Intel Core i5-11300H 11th Gen. | RTX 3050 4GB Graphics
Price: ₹ 87999.0 | 34 reviews
[Add to cart](#) [Wish list](#)
- HP ENVY x360 Convert 13-bd0515TU
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
AMD Ryzen™ 7 processor | Windows 11 | 1 TB HDD | M.2 SSD | 13.3
Price: ₹ 89999.0 | 34 reviews
[Add to cart](#) [Wish list](#)

Cart and Wislist:

Cart Table:

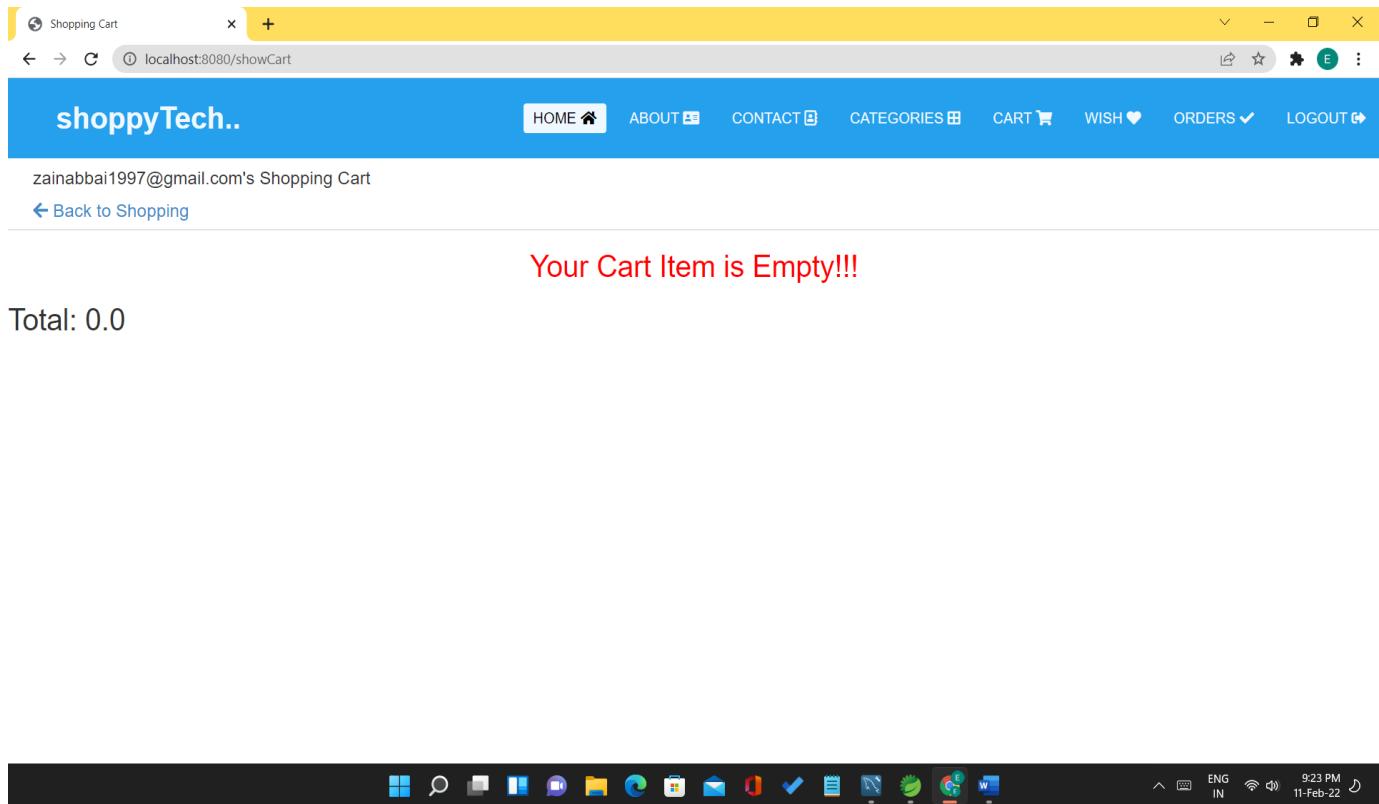
```
CREATE TABLE cart_items (
    id int auto_increment,
    product_id varchar(20) not null,
    user_email varchar(100) not null,
    PRIMARY KEY (id),
    FOREIGN KEY (product_id) REFERENCES product(id)
);
```

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)
);
```

Customer I:(Zainab)

Empty Cart:



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

Cart:

S Shopping Cart x + localhost:8080/showCart

shoppyTech..

HOME ABOUT CONTACT CATEGORIES CART WISH ORDERS LOGOUT

zainabbai1997@gmail.com's Shopping Cart

Back to Shopping

HP Victus 16-e0076AX

Ryzen 5 5600H 8GB DDR4 3200MHz RAM 512GB SSD 16.1-inches FHD, 60Hz

Price: ₹ 66990.0

Wish list Remove

HP Victus 16 E Series

Windows 10 laptop with a 16.10 8GB of RAM.

Price: ₹ 59990.0

Wish list Remove

Total: 126980.0

Checkout

9:25 PM 11-Feb-22

Wishlist:

W Wish List Cart x + localhost:8080/showWishlist

shoppyTech..

HOME ABOUT CONTACT CATEGORIES CART WISH ORDERS LOGOUT

Back to Shopping

ASUS Vivobook Flip 14

Price: ₹ 46990.0

Remove Add to cart

HP Victus 16-e0076AX

Price: ₹ 66990.0

Remove Add to cart

Acer Aspire Vero

Price: ₹ 57999.0

Remove Add to cart

9:25 PM 11-Feb-22

Cart Table:

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

- Navigator:** Shows the schema `laptop_shop_management` containing tables like `books_data`, `employeemanagement`, `laptop_shop_management`, `login`, `myblog`, `placementmanagement`, `quartz_demo`, `sakila`, `sms`, `spring_shoppingcartdb2`, `springbootcrudexample`, `springcrud`, `sys`, `vis`, and `world`.
- SQL Editor:** Displays the SQL code for creating the `cart_items` table and selecting all rows from it.
- Result Grid:** Shows the data for the `cart_items` table with two rows: (3, g1, zainabba1997@gmail.com) and (4, h5, zainabba1997@gmail.com).
- Action Output:** Shows the history of database actions with their times, messages, and duration/fetch times.

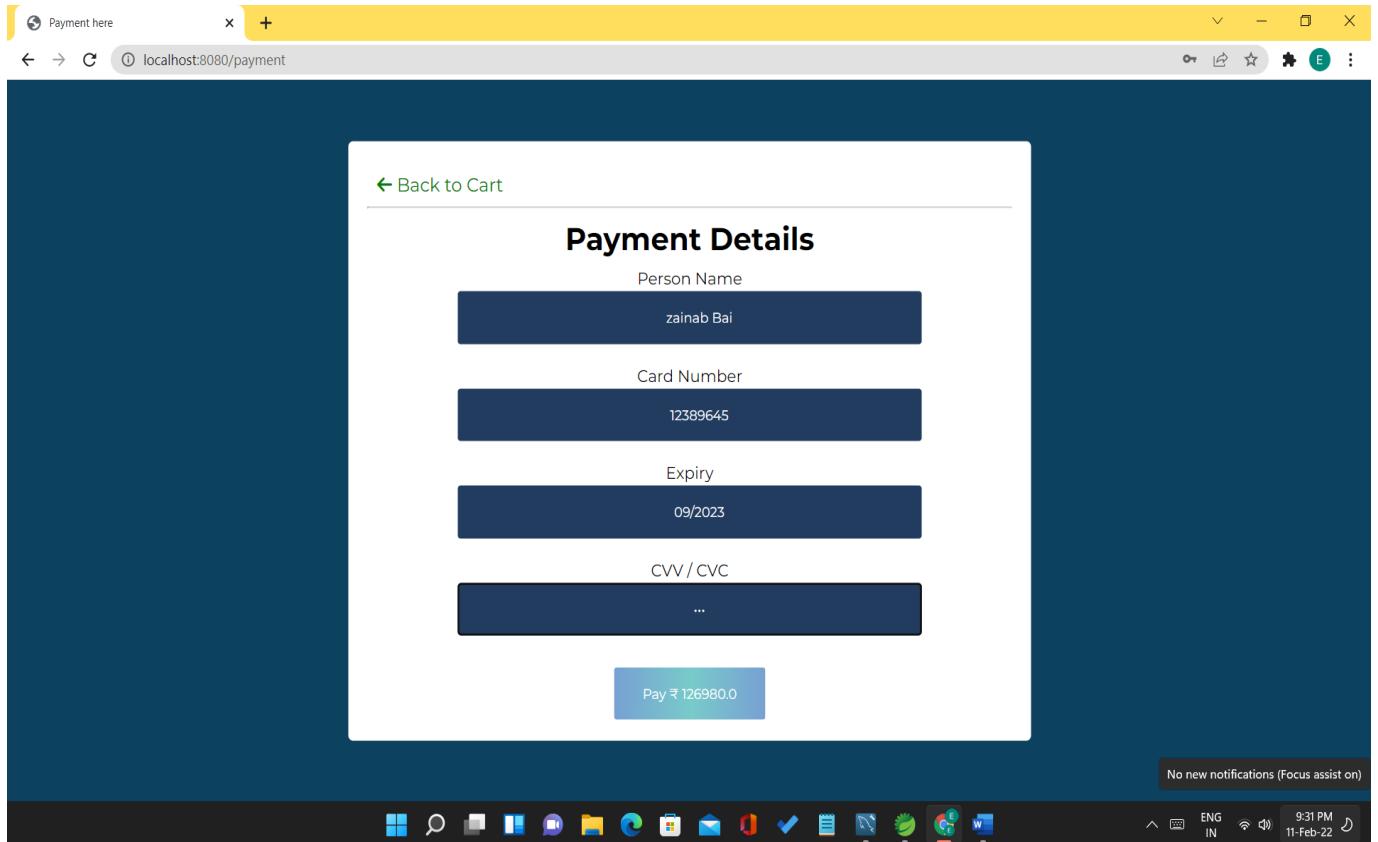
In this id 1and 2 is removed by using delete by id.

Wishlist:

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

- Navigator:** Shows the schema `laptop_shop_management` containing tables like `books_data`, `employeemanagement`, `laptop_shop_management`, `login`, `myblog`, `placementmanagement`, `quartz_demo`, `sakila`, `spring_shoppingcartdb2`, `springbootcrudexample`, `springcrud`, `sys`, `vis`, and `world`.
- SQL Editor:** Displays the SQL code for creating the `wish_list` table and selecting all rows from it.
- Result Grid:** Shows the data for the `wish_list` table with one row: (2, zainabba1997@gmail.com, acer1).
- Action Output:** Shows the history of database actions with their times, messages, and duration/fetch times.

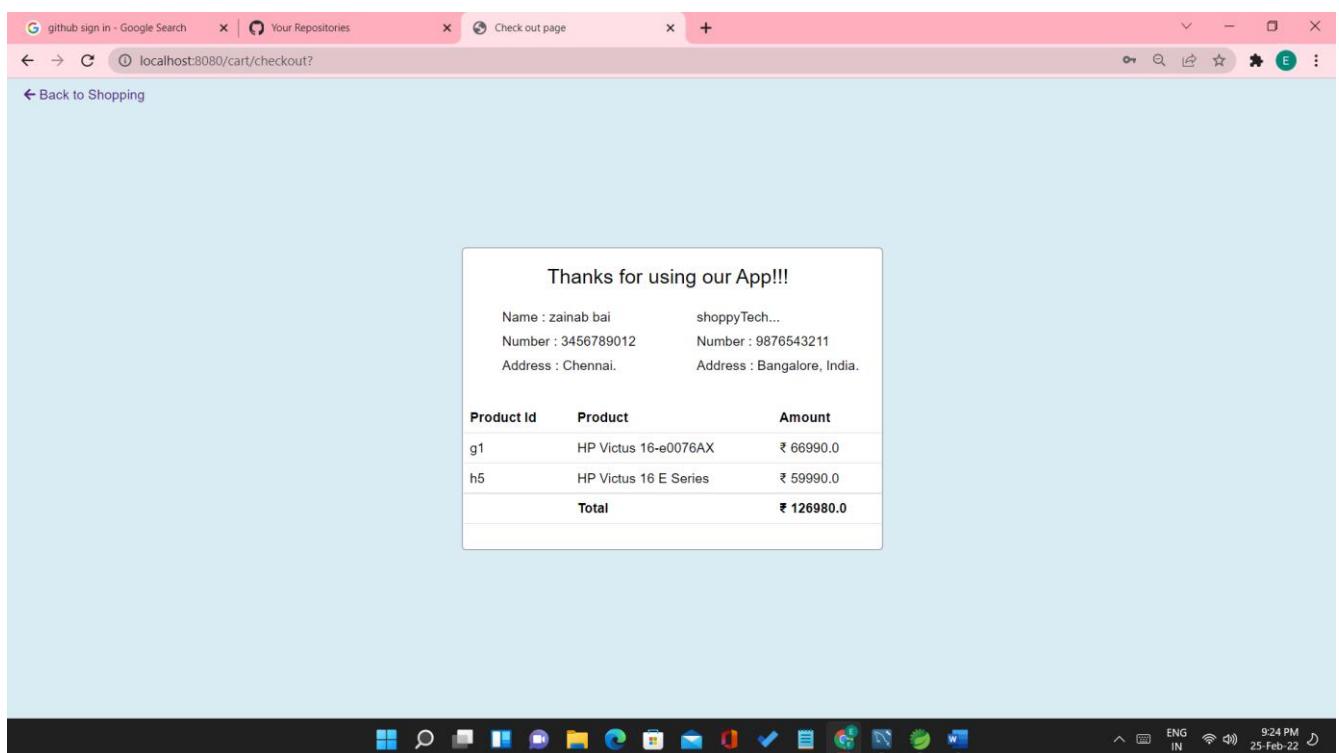
Payment page:



Checkout:

On clicking the checkout button, it prints the bill for that cart item.

Bill:



Order Table:

The screenshot shows the MySQL Workbench interface. In the central pane, a SQL editor window displays the following code:

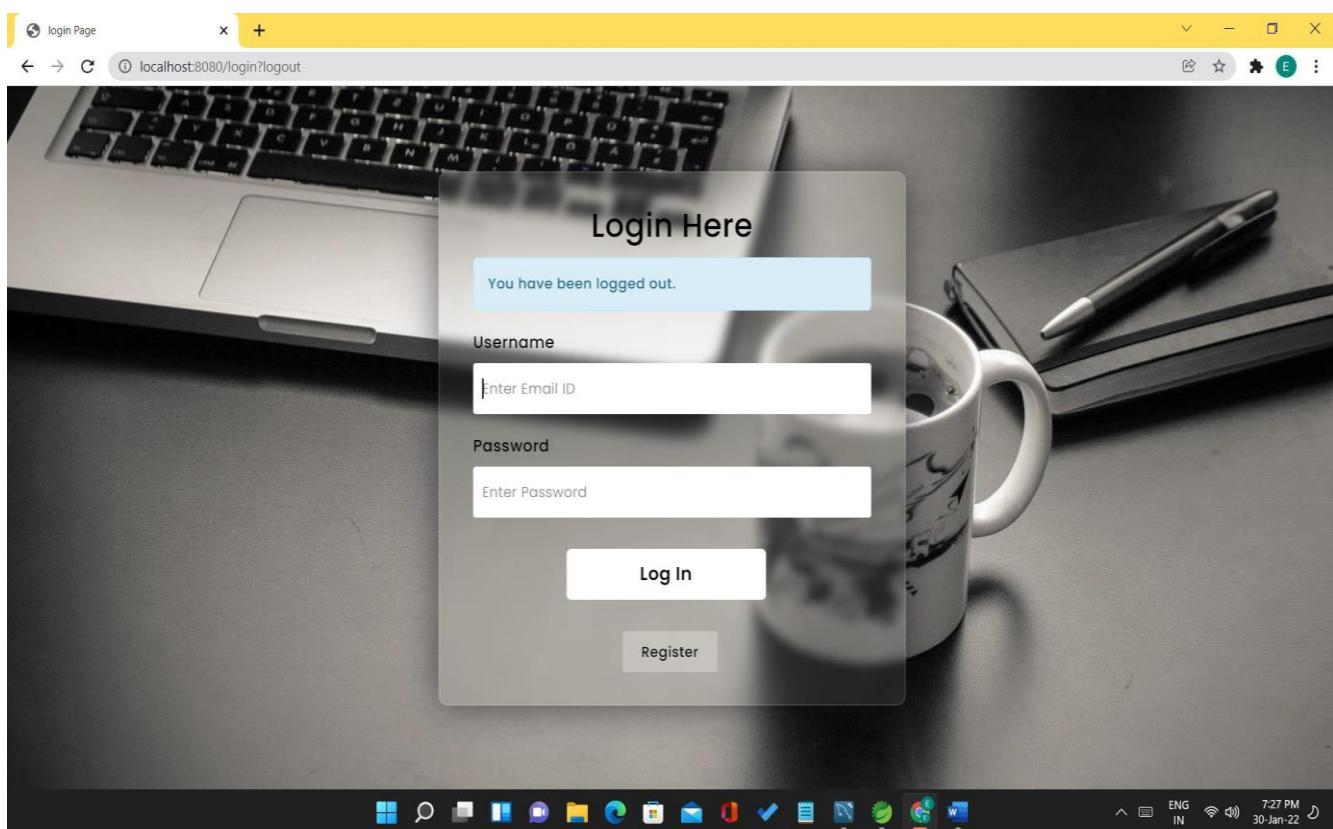
```
165 • select * from user;
166 • select * from users_roles;
167 • select * from product;
168 • select * from cart_items;
169 • select * from wish_list;
170 • select * from orders;
171 • commit;
172
```

Below the code, the "Result Grid" shows the data from the "orders" table:

	id	user_email	product_id
1	1	zainabai1997@gmail.com	g1
2	2	zainabai1997@gmail.com	h5
*	NULL	NULL	NULL

On the right side of the interface, there is a message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

Logout:



Customer II (Tom):

The screenshot shows the MySQL Workbench interface. In the top-left, the 'Navigator' pane displays the schema 'laptop_shop_management' with its tables ('role', 'user', 'users_roles'), views, stored procedures, and functions. The 'Tables' section is expanded. In the center, the 'Query Editor' contains the following SQL code:

```
6 • select*from role;
7 • select*from user;
8 • select*from users_roles;
9
10 • create TABLE product (
11     id varchar(20) PRIMARY KEY NOT NULL,
12     imalink varchar(255) NOT NULL .
```

The 'Result Grid' below the code shows two rows of data from the 'user' table:

	id	address	email	name	number	password
1	Chennai	zannahba1997@gmail.com	zannah ba	1234567890	1234567890	\$2a\$10\$gveEZDBPH4ow\$2a\$10\$gveEZDBPH4owHF82RESFTO65n25qU2j0EZpPTo6qMDTOCOTKAJm...
2	Bangalore	tom123@gmail.com	Tom	3456789012	3456789012	\$2a\$10\$4Mt6bHW8/st15TYYDQ5Fud880nDH...

In the bottom-left, the 'Session' tab is selected, showing the following activity:

#	Time	Action	Message	Duration / Fetch
1	19:33:04	use laptop_shop_management	0 row(s) affected	0.000 sec
2	19:33:15	select from user LIMIT 0..50000	2 row(s) returned	0.000 sec / 0.000 sec

The system tray at the bottom right shows the date as 30-Jan-22 and the time as 7:23 PM.

that user by using email address.

Empty Cart:

The screenshot shows a web browser window for 'shoppyTech..'. The URL is 'localhost:8080/showCart'. The page header includes links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH, and LOGOUT. The main content area displays the message 'tom123@gmail.com's Shopping Cart' and a link to 'Back to Shopping'. Below this, it shows 'Total: 0.0' and a red 'Checkout' button. The system tray at the bottom right shows the date as 30-Jan-22 and the time as 7:29 PM.

Cart with product:

Screenshot of a web browser showing a shopping cart page for "shoppyTech..".

The page displays two items in the cart:

- ASUS TUF Dash F15**
FHD 144Hz, Intel Core i5-11300H 11th Gen, RTX 3050 4GB Graphics
Price: ₹ 67990.0
- IdeaPad Slim 3i (15, Intel)**
4 GB Soldered DDR4 2666MHz + 4 GB SO-DIMM DDR4 2666MHz
Price: ₹ 39190.0

Total: 107180.0

Buttons: Wish list, Remove, Checkout.

System tray at the bottom shows various icons and the date/time: 9:50 PM, 11-Feb-22.

Wishlist:

Screenshot of a web browser showing a wishlist page for "shoppyTech..".

The page displays two items in the wishlist:

- HP Chromebook x360 AMD 3015CE**
Price: ₹ 30990.0
- Flex 5i (14, Intel)**
Price: ₹ 64800.0

Buttons: Remove, Add to cart.

System tray at the bottom shows various icons and the date/time: 9:50 PM, 11-Feb-22.

Add and Removal of Customer II database:

Cart:

The screenshot shows the MySQL Workbench interface. In the central pane, a SQL editor window displays the following code:

```
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
```

Below the code, the "Result Grid" tab is selected, showing the results of the query:

id	product_id	user_email
6	ASU55	tom123@gmail.com
8	I1	tom123@gmail.com
*	HULL	HULL

On the right side of the interface, there is a vertical toolbar with several icons, including a magnifying glass, a search icon, and a refresh icon.

- In this product of customer II is added and removed.

Wishlist:

The screenshot shows the MySQL Workbench interface. In the top navigation bar, 'Local instance MySQL80' is selected. The 'File', 'Edit', 'View', 'Query', 'Database', 'Server', 'Tools', 'Scripting', and 'Help' menus are visible. The 'Navigator' pane on the left lists various databases and their tables, with 'laptop_shop_management' expanded. The main area contains a SQL editor window with the following code:

```
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)
);
select * from wish_list;
select * from product where style="newlaptop";
```

The 'Result Grid' tab is active, displaying the results of the first query:

	id	product_id	user_email
▶	3	ASUS3	zainabba1997@gmail.com
4	g1	zainabba1997@gmail.com	
5	a5	zainabba1997@gmail.com	
7	h4	tom123@gmail.com	
9	l6	tom123@gmail.com	
•	NULL	NULL	NULL

The 'Output' tab shows the execution history:

#	Time	Action	Message	Duration / Fetch
1	21:52:05	use laptop_shop_management	0 row(s) affected	0.000 sec
2	21:52:12	select * from cart_items LIMIT 0, 50000	2 row(s) returned	0.000 sec / 0.000 sec
3	21:53:07	select * from wish_list LIMIT 0, 50000	5 row(s) returned	0.000 sec / 0.000 sec

Payment Page:

The screenshot shows a web browser window with the URL 'localhost:8080/payment'. The page displays a 'Payment Details' form. At the top, there is a link to 'Back to Cart'. The form fields are as follows:

- Person Name: Tom
- Card Number: 1234 5678 123456
- Expiry: 09-2029
- CVV / CVC: (Input field with placeholder '...')

A large blue button at the bottom of the form says 'Pay ₹ 107180.0'.

Checkout:

The screenshot shows a web browser window with a yellow header bar. The address bar displays "localhost:8080/cart/checkout?". Below the address bar, there is a purple navigation link "Back to Shopping". The main content area contains a message "Thanks for using our App!!!". Below this message, there is some user information: "Name : Tom", "Number : 3456789012", and "Address : Bangalore.". A table provides a breakdown of the purchase:

Product Id	Product	Amount
ASUS5	ASUS TUF Dash F15	₹ 67990.0
I1	IdeaPad Slim 3i (15, Intel)	₹ 39190.0
Total		₹ 107180.0

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

Order Table:

The screenshot shows the MySQL Workbench interface with a red header bar. The title bar says "Local instance MySQL80 x". The main workspace shows a SQL editor with the following code:

```
68 • select * from cart_items;
69 • select * from wish_list;
70 • select * from orders;
71 • commit;
72
73
```

Below the SQL editor is a "Result Grid" showing the data for the "orders" table:

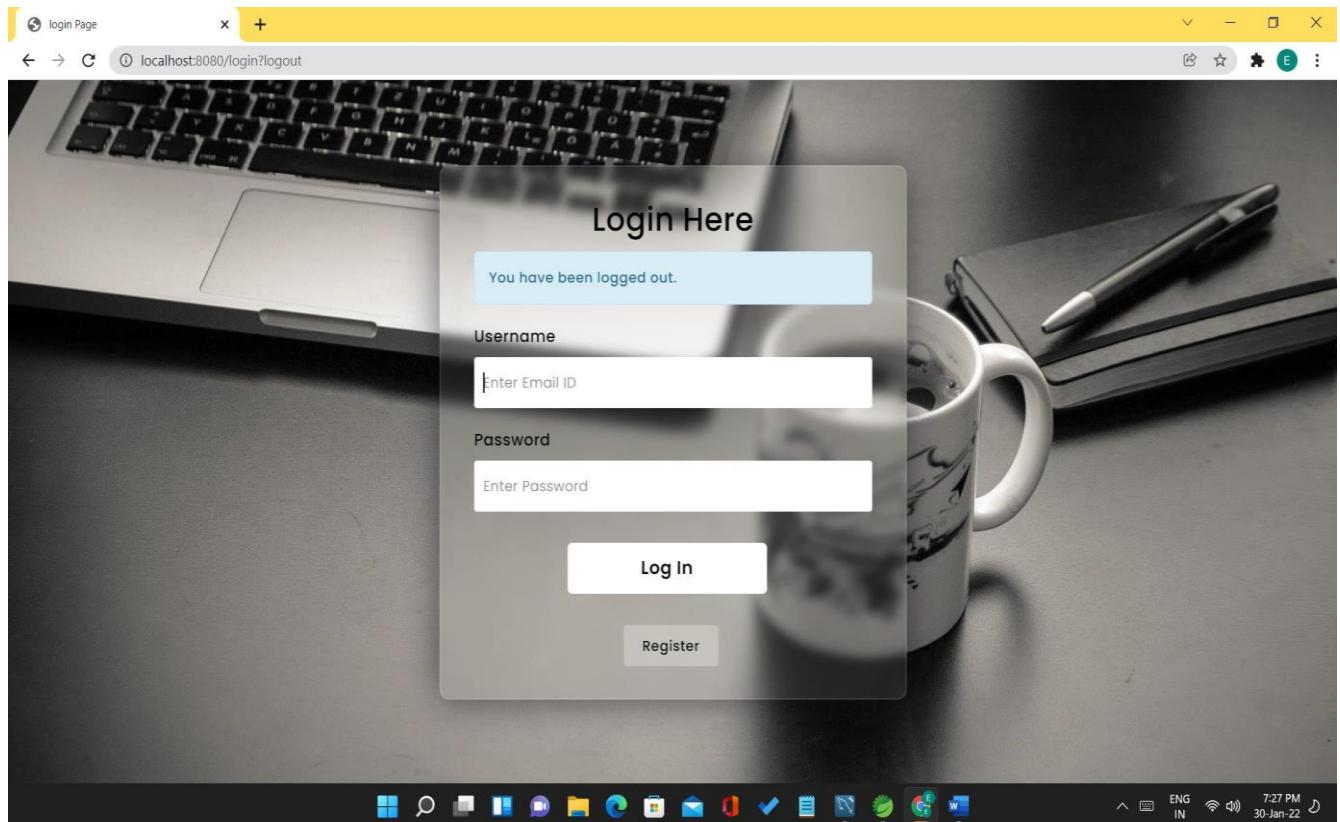
id	user_email	product_id
1	zainabb1997@gmail.com	g1
2	zainabb1997@gmail.com	h5
3	tom123@gmail.com	ASUS5
4	tom123@gmail.com	I1
• null	null	null

The bottom section of the interface shows the "Information" tab with the "orders" table selected, displaying the following output:

#	Time	Action	Message	Duration / Fetch
1	21:57:19	use laptop_shop_management	0 row(s) affected	0.000 sec
2	21:57:26	select * from orders LIMIT 0, 50000	4 row(s) returned	0.000 sec / 0.000 sec

The system tray at the bottom right shows the date as 11-Feb-22.

Logout:



Thank You