



A Project  
Report On

## **Laptop-Shop-Management**

By  
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**Center:** Bangalore (Tc - Palya)

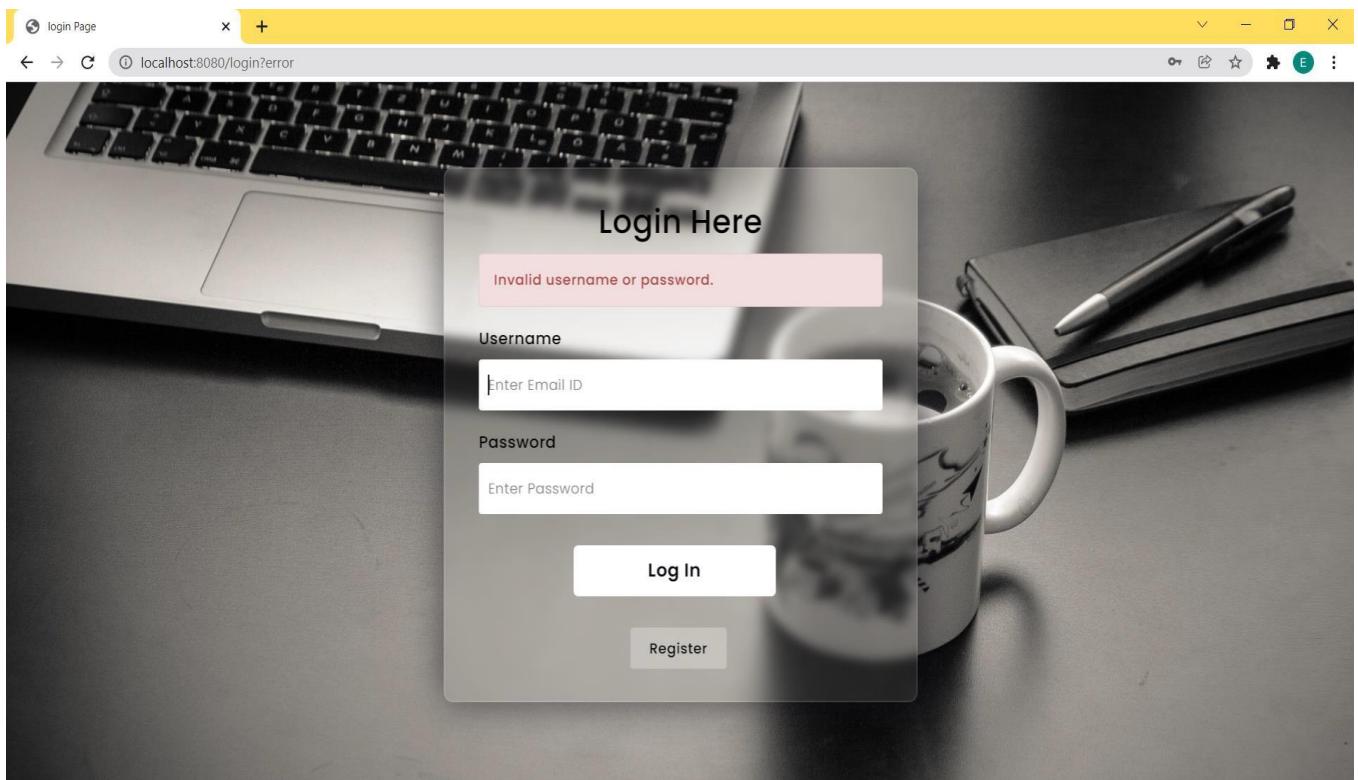
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**Technical Trainer**

**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 | 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:

The screenshot shows a web browser window for the URL [localhost:8080/homePage](http://localhost:8080/homePage). The page has a blue header bar with the logo "shoppyTech.." and navigation links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH, and LOGOUT. Below the header is a large blue banner with the text "Store. The best way to buy the products you love.". To the left, there's a section with the heading "Better digital experience with Presento" and a paragraph about being a team of talented designers. A "Get Started" button is present. To the right, there are two laptops displayed against a sunset background. The taskbar at the bottom shows various application icons.

## About page:

The screenshot shows a web browser window for the URL [localhost:8080/aboutPage](http://localhost:8080/aboutPage). The layout is similar to the home page, with the "shoppyTech.." header and navigation menu. The main content area features a section titled "About Us" with text about the company's supply of laptops and repairs. Below this, there's a statement about having laptops for gamers, students, and technophobes. A graphic on the right side features the text "ABC with Integrity" above three circular icons: "AUDACITY" (orange), "BIAS FOR ACTION" (blue), and "CUSTOMER FIRST" (green). The taskbar at the bottom is visible.

## 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 below the message input field.

## 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 stating "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". The browser's address bar shows the URL "localhost:8080/ContactPageSuccess?name=zainab+bai&email=zainabbai1997%40gmail.com&subject=dfsdgvdg&message=dsgfdhfgj". The taskbar at the bottom of the screen shows various application icons.

## **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\_free  
dos\_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=bWFzdGVyfHJvb3R8NjYwMDh8aW1hZ2UvcG5nfGg2NC  
9oZjYvMTMwMzMMyMzY0NjM2NDYucG5nfDdlZWU5OGJIYzllYWI0OTM

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  
5NzV1NTlhYjk","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  
OTBkYjlkMWY5MGMzODR1YzBhMmM4N2ZjY2I3ZjFlZDQwNzRlZDYxO  
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;

```

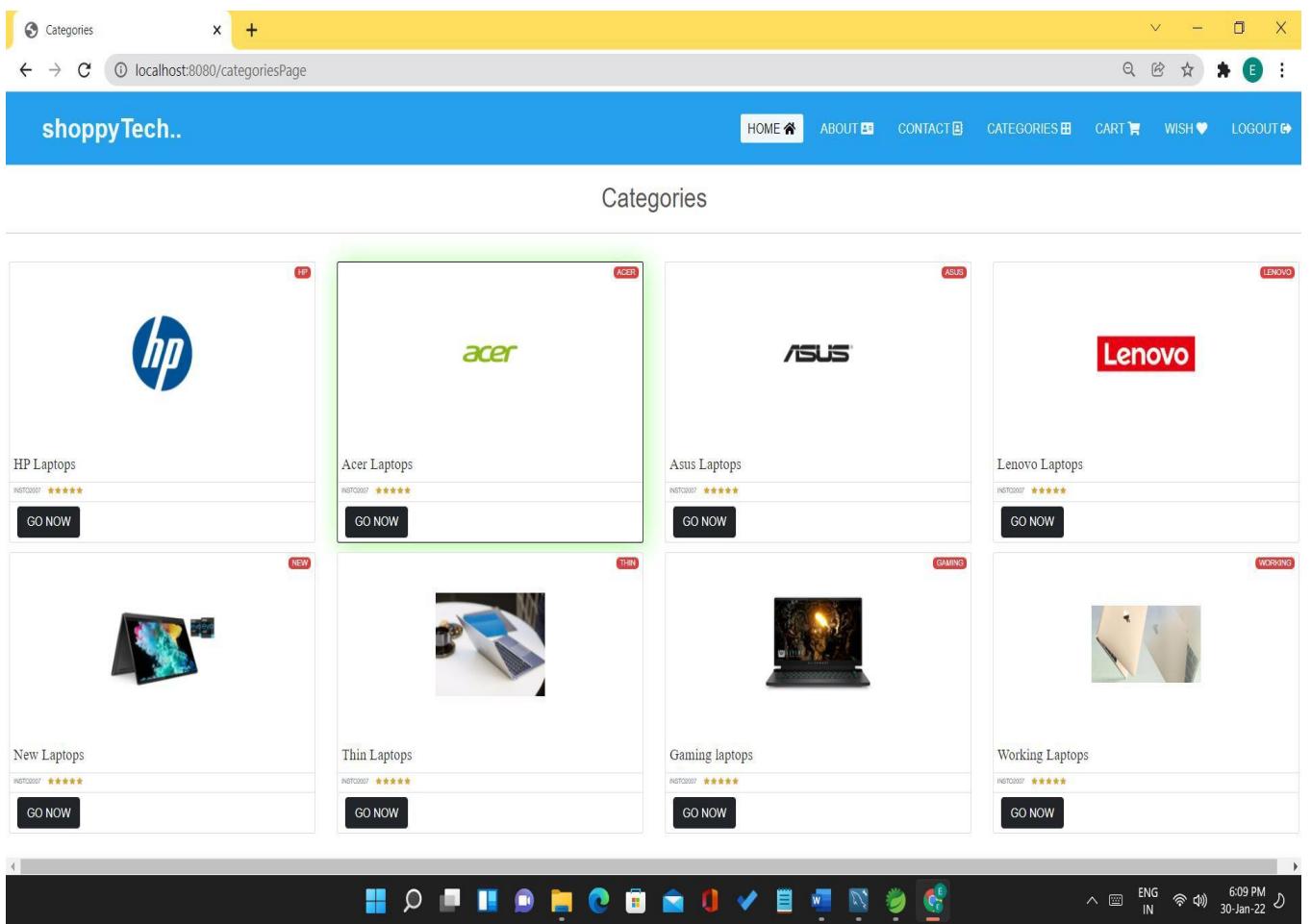
Below the code, the 'Result Grid' shows the data inserted into the 'product' table:

| ID    | brand | descpr   | imglink   | name  | price    | style   |
|-------|-------|--|---|---|----------|---------|
| a1    | ACER  | 10th Generation Intel® i5-10300H processor 8 GB of RAM   | https://static-ecapac.acer.com/media/catalog/p.../Acer Aspire 7                               | Acer Aspire 7                               | 54990    | newlap  |
| a2    | ACER  | 11th Generation Intel® i9-11900 processor 16 GB of RAM   | https://static-ecapac.acer.com/media/catalog/p.../Acer Predator Helios Gaming                 | Acer Predator Helios Gaming                 | 139999   | gaming  |
| a3    | ACER  | 11th Generation Intel Core™ i5-1135G7 7800 DDR4 RAM      | https://static-ecapac.acer.com/media/catalog/p.../Acer Aspire 3                               | Acer Aspire 3                               | 58999    | slim    |
| a4    | ACER  | Intel® Pentium® Silver N5030 processor 256 GB SSD        | https://static-ecapac.acer.com/media/catalog/p.../Acer Extensa Laptop Intel Pentium Quad Core | Acer Extensa Laptop Intel Pentium Quad Core | 28999    | workin  |
| a5    | ACER  | Windows 11 Home 64-bit Intel® i5-1155G7 Processor        | https://static-ecapac.acer.com/media/catalog/p.../Acer Aspire Vero                            | Acer Aspire Vero                            | 57999    | slim    |
| acer1 | ACER  | 11th Gen i7 11370H 8GB DDR4 1TB SSD 15.6-inch FHD        | https://ibuyte.com/wp-content/uploads/2021/11/Acer Nitro AN515-56                             | Acer Nitro AN515-56                         | 86999.99 | gaming  |
| ASUS1 | ASUS  | Windows 11 Home 64-bit Intel® i9 32 GB memory 1.7 TB SSD | https://dichvuhcmngs.asus.com/gain/101212fc.../ASUS Zenbook Pro Duo UX581                     | ASUS Zenbook Pro Duo UX581                  | 125000   | slim    |
| ASUS2 | ASUS  | 32 GB/1 TB SSD/Windows 10 Home/6 GB Graphics             | https://uk.unimini.fluxcart.com/image/832832/k.../ASUS Core i9                                | ASUS Core i9                                | 269990   | newlap  |
| ASUS3 | ASUS  | Total Core i5-11300H 11th Gen 14 FHD Touch               | https://m.media-amazon.com/images/I/71QfVn...   | ASUS VivoBook Flip 14                       | 46990    | newular |

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

- We insert a product in database

## Categories page image:



## HP Laptop:

The screenshot shows a list of six HP laptops on the shopTech website. Each laptop is displayed with its name, a small image, a brief description, and two buttons: 'Add to cart' and 'Wish list'.

- HP Victus 16-e0076AX**  
GAMING  
Ryzen 5 6500H 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 2933MHz RAM 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 512 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 Xe Graphics  
Price: ₹ 89999.0 34 reviews
- HP Pavilion Aero Laptop 13-be0208AU**  
WORKING  
AMD Ryzen™ 7 processor Windows 11 1 TB HDD M.2 SSD 13.3  
Price: ₹ 85990.0 34 reviews
- HP Chromebook x360 AMD 3015CE**  
SLIM

## Acer laptop:

The screenshot shows a list of seven Acer laptops on the shopTech website. Each laptop is displayed with its name, a small image, a brief description, and two buttons: 'Add to cart' and 'Wish list'.

- 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 i5-1135G7 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 128GB SSD 1TB HDD  
Price: ₹ 59990.0 34 reviews
- Acer Extensa Laptop Intel Pentium Quad Core**  
WORKING  
Intel® Pentium® Silver N5030 processor 256 GB PCIe NVMe SSD 8 GB  
Price: ₹ 23990.0 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 web browser displaying a list of ASUS laptops on the shoppyTech.. website. The page title is "Displaying laptops" and the URL is "localhost:8080/categories/brand/ASUS". The header includes links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH LIST, and LOGOUT. The main content area is titled "Laptops" and lists six products:

- ASUS Zenbook Pro Duo UX581 (SLIM)  
Windows 10 6th Gen Intel i9 32 GB memory 1 TB PCIe SSD storage  
Price: ₹ 125000.0 34 reviews  
Add to cart Wish list
- ASUS Core i9 (NEW LAPTOP)  
32 GB RAM 1 TB SSD Windows 10 Home i9 32 GB Graphics NVIDIA GeForce RTX 2060  
Price: ₹ 205990.0 34 reviews  
Add to cart Wish list
- ASUS Vivobook Flip 14 (NEW LAPTOP)  
Intel Core i3-10110U 10th Gen, 14 FHD Touch, Laptop 8GB/256GB SSD  
Price: ₹ 45990.0 34 reviews  
Add to cart Wish list
- ASUS Vivobook K15 OLED (WARNING)  
Intel Core i5-1135G7 11th Gen, Thin and Light Laptop 8GB/512GB SSD  
Price: ₹ 42209.0 34 reviews  
Add to cart Wish list
- ASUS TUF Dash F15 (WARNING)  
FHD 144Hz, Intel Core i5-11300H 11th Gen, RTX 3050 4GB Graphics  
Price: ₹ 87000.0 34 reviews  
Add to cart Wish list
- ASUS TUF Gaming A15 (GAMING)

The bottom of the screen shows a Windows taskbar with various pinned icons and the date/time "30-Jan-22 6:11 PM".

## Lenovo laptop:

The screenshot shows a web browser displaying a list of Lenovo laptops on the shoppyTech.. website. The page title is "Displaying laptops" and the URL is "localhost:8080/categories/brand/LENOVO". The header includes links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH LIST, and LOGOUT. The main content area is titled "Laptops" and lists five products:

- Lenovo IdeaPad Gaming 3 (GAMING)  
Ryzen 5 4600H 8GB DDR4 512GB SSD 15.6-inches FHD with 120Hz 165Hz  
Price: ₹ 83100.0 34 reviews  
Add to cart Wish list
- IdeaPad Slim 3i (15, Intel) (SLIM)  
4 GB Soldered DDR4 2666MHz + 4 GB SO-DIMM DDR4 2666MHz  
Price: ₹ 39190.0 34 reviews  
Add to cart Wish list
- ThinkBook 14 Gen 2 (Intel) (WARNING)  
8 GB Soldered DDR4 3200MHz  
Price: ₹ 82990.0 34 reviews  
Add to cart Wish list
- Thinkpad E14 11th Gen (Intel) (WARNING)  
4 GB SO-DIMM DDR4 3200MHz  
Price: ₹ 46990.0 34 reviews  
Add to cart Wish list
- Lenovo V15 (AMD) (NEW LAPTOP)  
4 GB Soldered + 4 GB SO-DIMM  
Price: ₹ 42990.0 34 reviews  
Add to cart Wish list

The bottom of the screen shows a Windows taskbar with various pinned icons and the date/time "30-Jan-22 6:11 PM".

## New Laptop:

The screenshot shows a web browser window with the URL [localhost:8080/categories/newlaptop](http://localhost:8080/categories/newlaptop). The page title is "Displaying laptops". The main content area is titled "Laptops" and lists six new laptop models:

- Acer Aspire 7**  
NEW LAPTOP  
10th Generation i5-10300H processor 8 GB of DDR4 512 GB SSD FHD  
Price: ₹ 54990.0 34 reviews  
[Add to cart](#) [Wish list](#)
- ASUS Core i9**  
NEW LAPTOP  
32 GB/1 TB SSD/Windows 10 Home/8 GB Graphics/NVIDIA GeForce RTX 2060  
Price: ₹ 299990.0 34 reviews  
[Add to cart](#) [Wish list](#)
- ASUS Vivobook Flip 14**  
NEW LAPTOP  
Intel Core i3-10110U 10th Gen. 14 FHD Touch, Laptop 8GB/256GB SSD  
Price: ₹ 49990.0 34 reviews  
[Add to cart](#) [Wish list](#)
- Lenovo V15 (AMD)**  
NEW LAPTOP  
4 GB Soldered + 4 GB SO-DIMM  
Price: ₹ 42990.0 34 reviews  
[Add to cart](#) [Wish list](#)
- Yoga 7 Gen 6 (14, AMD)**  
NEW LAPTOP  
16 GB Soldered LPDDR4x 4266MHz  
Price: ₹ 94490.0 34 reviews  
[Add to cart](#) [Wish list](#)
- Flex 5i (14, Intel)**  
NEW LAPTOP

The browser's taskbar at the bottom shows various pinned icons, and the system tray indicates the date and time as 30-Jan-22.

## Thin Laptop:

The screenshot shows a web browser window with the URL [localhost:8080/categories/slim](http://localhost:8080/categories/slim). The page title is "Displaying laptops". The main content area is titled "Laptops" and lists six thin laptop models:

- Acer Aspire 3**  
SLIM  
11th Generation Intel Core i5-1135G7 8GB DDR4 120GB SSD 1TB HDD  
Price: ₹ 55999.0 34 reviews  
[Add to cart](#) [Wish list](#)
- Acer Aspire Vero**  
SLIM  
Windows 11 Home 64-bit Core i5-1155G7 Processor 12GB 512GB SSD  
Price: ₹ 57999.0 34 reviews  
[Add to cart](#) [Wish list](#)
- ASUS Zenbook Pro Duo UX581**  
SLIM  
Windows 10 8th Gen Intel i9 32 GB memory 1 TB PCIe SSD storage  
Price: ₹ 125000.0 34 reviews  
[Add to cart](#) [Wish list](#)
- HP Pavilion x360 Convertible 14-dy1013TU**  
SLIM  
11th Generation 8GB RAM 256GB SSD 14 Intel Iris Xe Graphics  
Price: ₹ 89999.0 34 reviews  
[Add to cart](#) [Wish list](#)
- HP Chromebook x360 AMD 3015CE**  
SLIM  
AMD 3015CE-4GB SO-RAM/8GB eMMC Storage 14-inch Touchscreen  
Price: ₹ 30999.0 34 reviews  
[Add to cart](#) [Wish list](#)
- IdeaPad Slim 3i (15, Intel)**  
SLIM

## Gaming Laptop:

Laptops

- Acer Predator Helios Gaming  
GAMING  
11th Gen Intel i9-11900 processor 16 GB of DDR4 1 TB SSD  
Price: ₹ 139999.0 34 reviews  
[Add to cart](#) [Wish list](#)
- Acer Nitro AN15-56  
GAMING  
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  
GAMING  
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  
GAMING  
Ryzen 5 4500H 8GB DDR4 512GB SSD 15.6-inches FHD, 60Hz GTX 1650  
Price: ₹ 79999.0 34 reviews  
[Add to cart](#) [Wish list](#)
- Lenovo IdeaPad Gaming 3  
GAMING  
Ryzen 5 4500H 8GB DDR4 512GB SSD 15.6-inches FHD with 120Hz 1650  
Price: ₹ 63100.0 34 reviews  
[Add to cart](#) [Wish list](#)
- HP Pavilion Gaming 15-dk1148TX  
GAMING

## Working Laptop:

Laptops

- Acer Extensa Laptop Intel Pentium Quad Core  
WORKING  
Intel® Pentium® Silver N5000 processor 256 GB PCIe NVMe SSD 8 GB  
Price: ₹ 23999.0 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: ₹ 49209.0 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: ₹ 87999.0 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: ₹ 80099.0 34 reviews  
[Add to cart](#) [Wish list](#)

## **Cart and Wislist:**

### **Cart Table:**

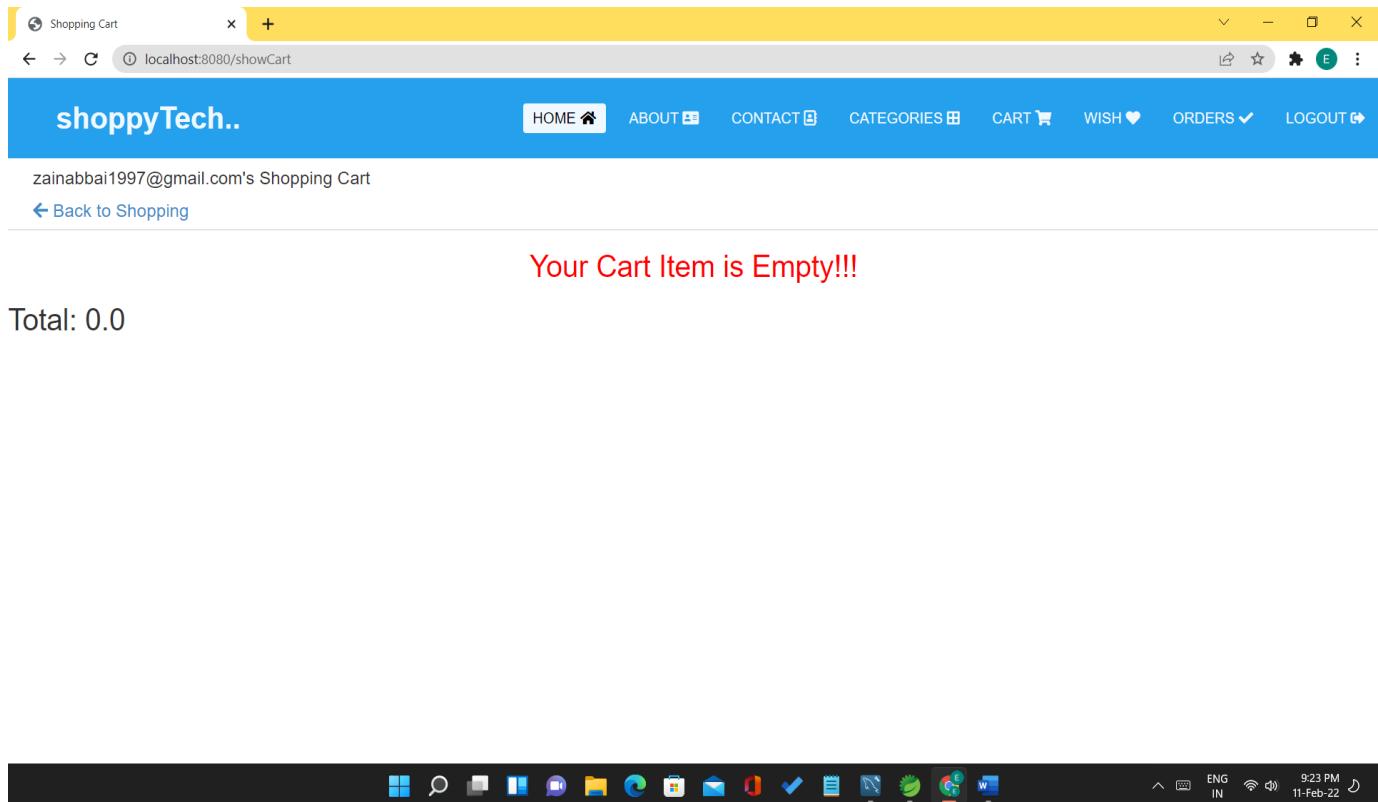
```
CREATE TABLE cart_items (
    id int auto_increment,
    product_id varchar(20) not null,
    user_email varchar(100) not null,
    PRIMARY KEY (id),
    FOREIGN KEY (product_id) REFERENCES product(id)
);
```

### **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..

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..

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 `cart_items`, `product`, and `user`.
- 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 columns `id`, `product_id`, and `user_email`. Rows include (3, g1, zainabba1997@gmail.com) and (4, h5, zainabba1997@gmail.com).
- Action Output:** Shows the log of actions taken during the session, including insertions into `cart_items` and a commit.

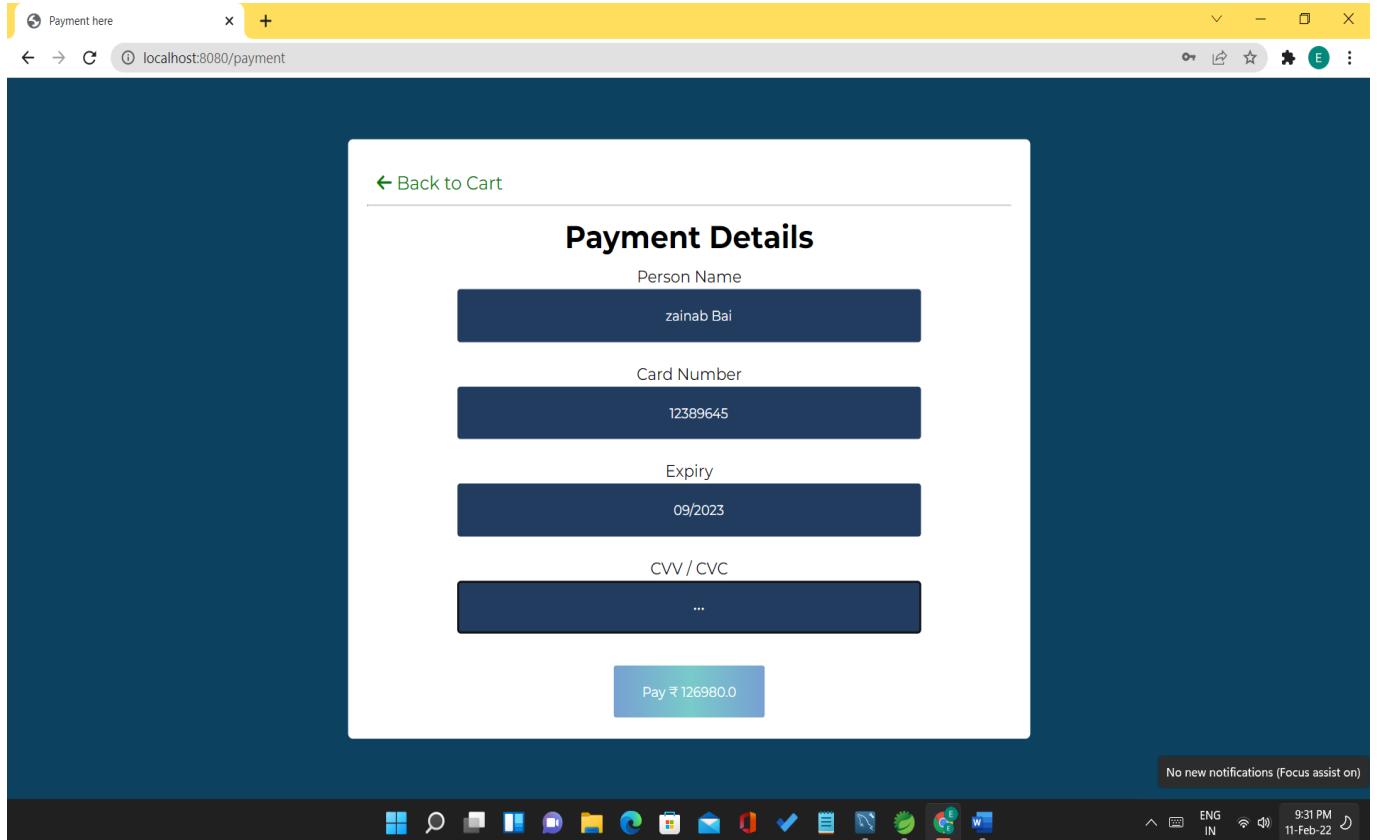
➤ In this id 1and 2 is removed by using delete by id.

## Wishlist:

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

- Navigator:** Shows the schema `laptop_shop_management` containing tables like `wish_list`, `product`, and `user`.
- 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 columns `id`, `user_email`, and `product_id`. Rows include (2, zainabba1997@gmail.com, acer1).
- Action Output:** Shows the log of actions taken during the session, including the use of the `wish_list` table and a select query.

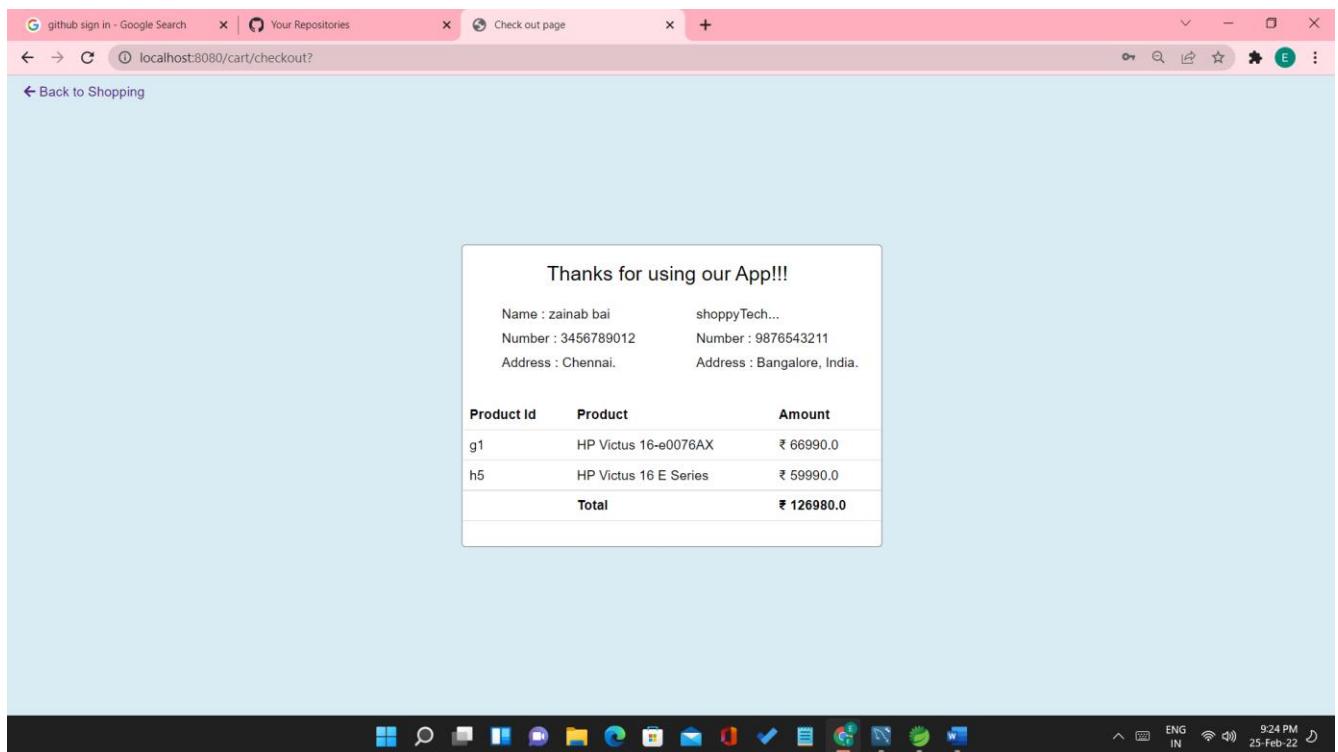
## Payment page:



## 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 query editor, the following SQL code is displayed:

```
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 for the 'orders' table:

|   | id   | user_email             | product_id |
|---|------|------------------------|------------|
| 1 | 1    | zainabai1997@gmail.com | g1         |
| 2 | 2    | zainabai1997@gmail.com | h5         |
| * | HULL | HULL                   | HULL       |

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

## Logout:

The screenshot shows a web browser window with the URL [localhost:8080/login?logout](http://localhost:8080/login?logout). The page displays a message: "You have been logged out." Below this message are fields for "Username" and "Password", and buttons for "Log In" and "Register". The background of the page features a blurred image of a laptop keyboard, a coffee cup, and a pen.

## Customer II (Tom):

The screenshot shows the MySQL Workbench interface. In the SQL editor tab, there is a query:

```
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 shows two rows of data from the 'user' table:

|   | id        | address                | email     | name       | number     | password   |
|---|-----------|------------------------|-----------|------------|------------|--|
| 1 | Chennai   | zainabba1997@gmail.com | zainab ba | 1234567890 | 1234567890 | \$2a\$10\$gveEZDBPH4ow\$2a\$10\$gveEZDBPH4owHF82RESFTO65n25qU2j0EZpPTo6qMDTOCOTKAJm... |
| 2 | Bangalore | ton123@gmail.com       | Tom       | 3456789012 | 3456789012 | \$2a\$10\$4MtzbHW8/st15YYD65Fud88ZnH...  |

In the Session tab, there is a table named 'user 1' showing session 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 7:33 PM.

that user by using email address.

## Empty Cart:

The screenshot shows a web browser window titled 'Shopping Cart' with the URL 'localhost:8080/showCart'. The page header for 'shoppyTech..' includes links for HOME, ABOUT, CONTACT, CATEGORIES, CART, WISH, and LOGOUT.

tom123@gmail.com's Shopping Cart

[Back to Shopping](#)

Total: 0.0

[Checkout](#)

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:

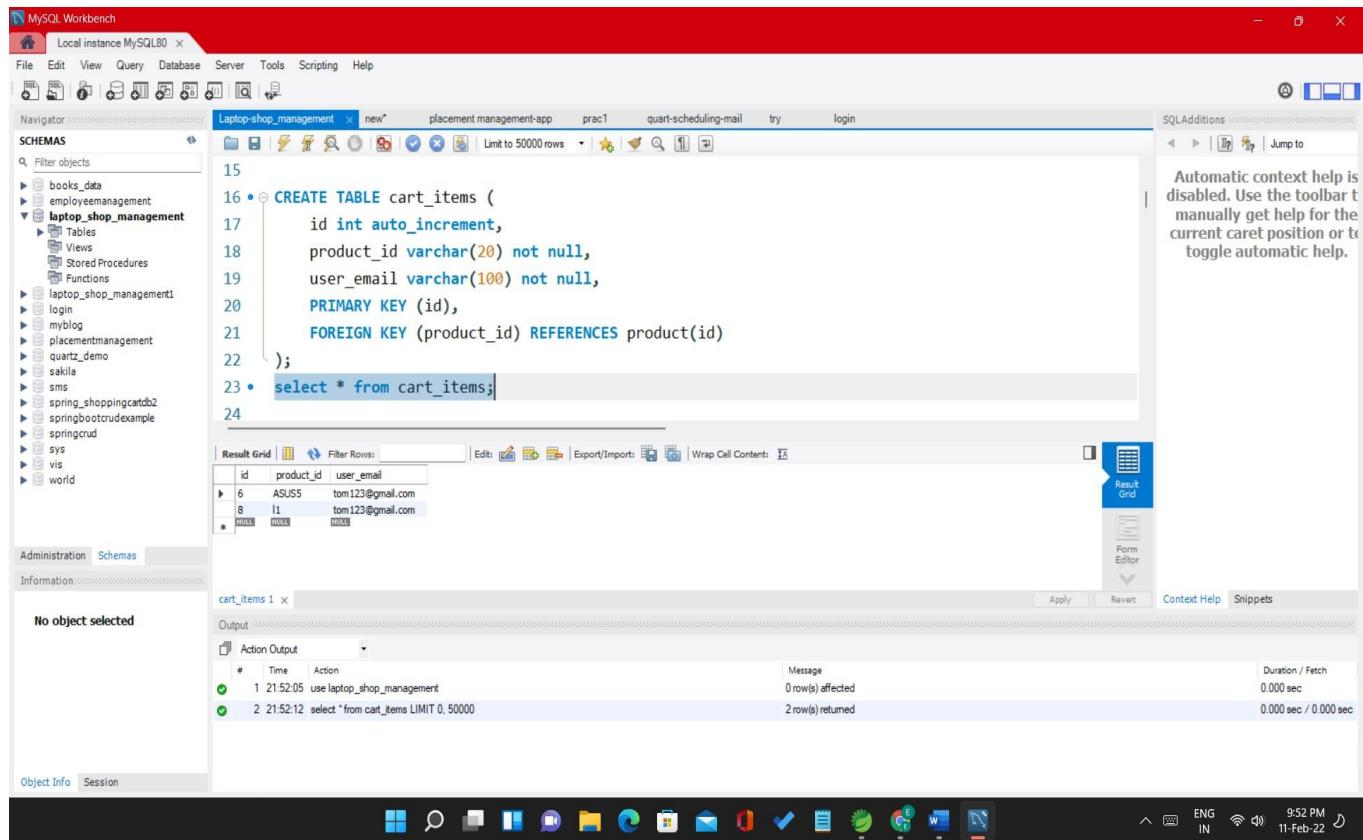
- HP Chromebook x360 AMD 3015CE**  
Price: ₹ 30990.0
- Flex 5i (14, Intel)**  
Price: ₹ 64800.0

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. The left sidebar displays the 'Navigator' and 'Schemas' sections, with 'laptop\_shop\_management' selected. The main pane shows a SQL editor with 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
```

The result grid shows two rows of data:

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

The output pane shows the following log entries:

| # | 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 |

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

## Wishlist:

The screenshot shows the MySQL Workbench interface. In the central pane, a SQL editor window displays the creation of a 'wish\_list' table and a query to select all rows from it. The table has columns: id (auto-increment), product\_id (varchar(20) not null), and user\_email (varchar(100) not null). A primary key is defined on the id column, and a foreign key constraint links product\_id to the id column of the 'product' table. Below the table definition, a result grid shows the current data in the 'wish\_list' table.

```
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;
```

|   | 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                   |            |

In the bottom right corner 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."

## Payment Page:

The screenshot shows a web browser displaying a payment page. The page title is 'Payment Details'. It contains fields for Person Name (Tom), Card Number (1234 5678 123456), Expiry (09-2029), and CVV / CVC (represented by three dots). At the bottom is a blue button labeled 'Pay ₹ 107180.0'.

Payment here

localhost:8080/payment

Back to Cart

### Payment Details

Person Name  
Tom

Card Number  
1234 5678 123456

Expiry  
09-2029

CVV / CVC  
...

Pay ₹ 107180.0

## Checkout:

A screenshot of a web browser window titled "Check out page". The address bar shows "localhost:8080/cart/checkout?". Below the address bar is a purple header with a back arrow and the text "Back to Shopping". The main content area contains a message box with the text "Thanks for using our App!!!". Inside the message box, there is customer information: "Name : Tom", "Number : 3456789012", and "Address : Bangalore.". Below this is a table showing the order details:

| Product Id   | Product                     | Amount            |
|--------------|-----------------------------|-------------------|
| ASUS5        | ASUS TUF Dash F15           | ₹ 67990.0         |
| I1           | IdeaPad Slim 3i (15, Intel) | ₹ 39190.0         |
| <b>Total</b> |                             | <b>₹ 107180.0</b> |

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

## Order Table:

A screenshot of MySQL Workbench. The title bar says "MySQL Workbench - Local instance MySQL80 x". The menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, Help. The toolbar has various icons for database management. The left sidebar shows the "Navigator" with "SCHEMAS" expanded, listing databases like "books\_data", "employeemanagement", "laptop\_shop\_management", "placementmanagement", "quartz\_demo", "sakila", "sms", "spring\_shoppingcartdb2", "springbootcrudexample", "springcrud", "sys", "vis", and "world". The central pane displays an SQL editor with the following code:

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

The "Result Grid" shows the results of the "select \* from orders" query:

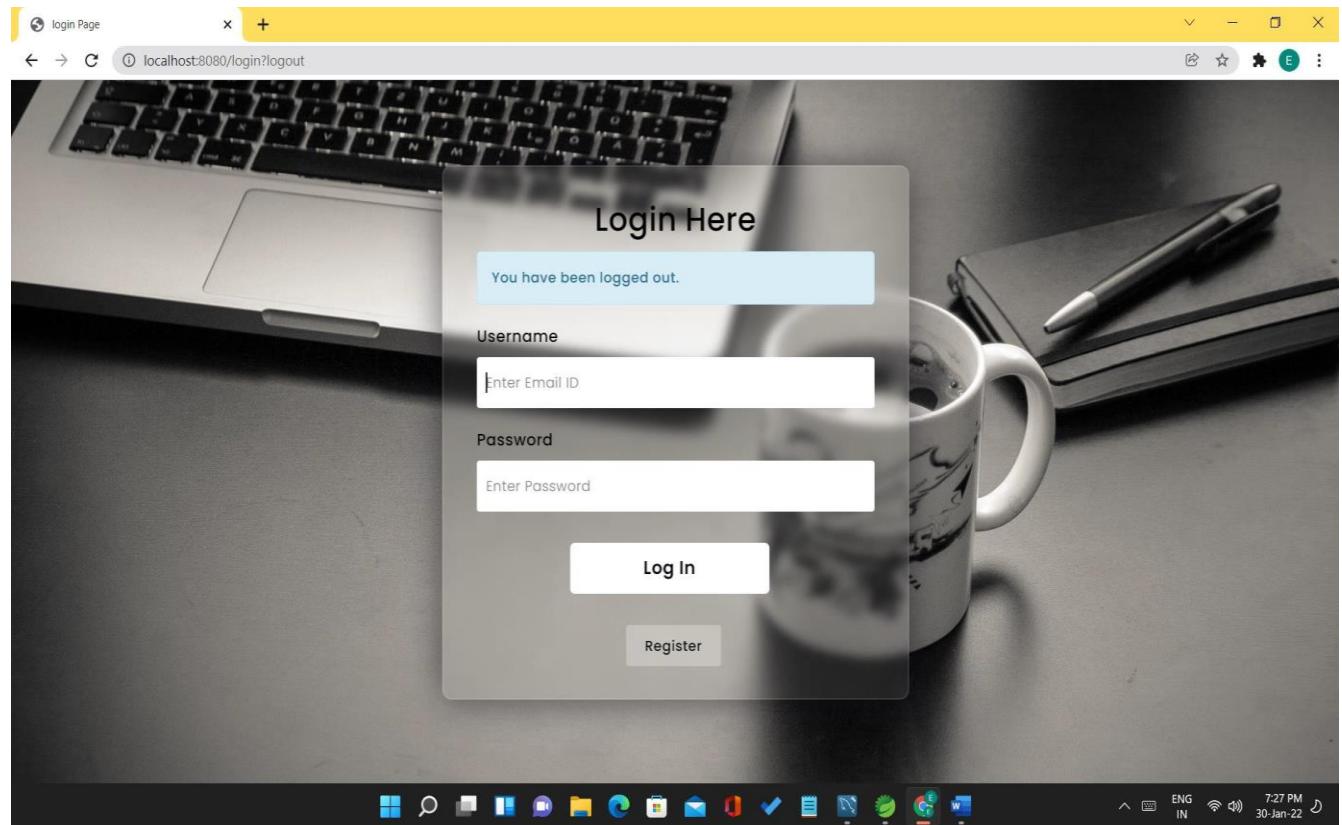
| id | user_email            | product_id |
|----|-----------------------|------------|
| 1  | zainabb1997@gmail.com | g1         |
| 2  | zainabb1997@gmail.com | h5         |
| 3  | tom123@gmail.com      | ASUS5      |
| 4  | tom123@gmail.com      | I1         |

The "Information" pane at the bottom shows the output of the last query:

| # | 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**