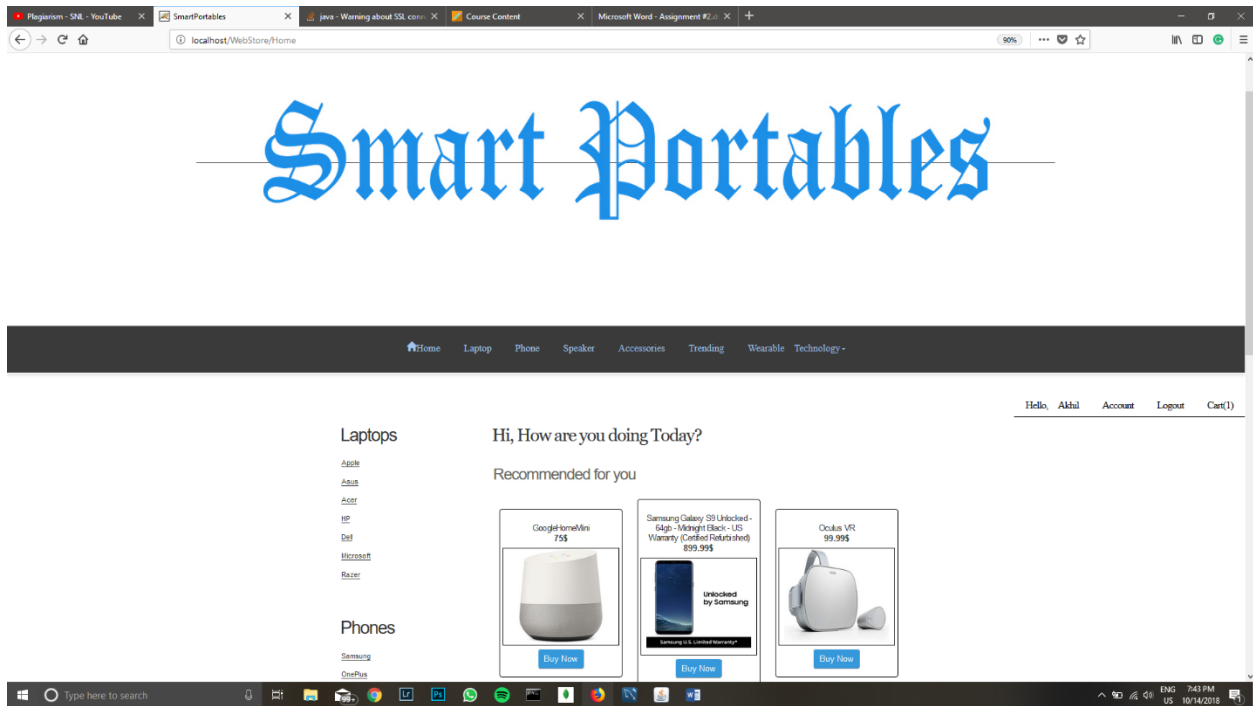
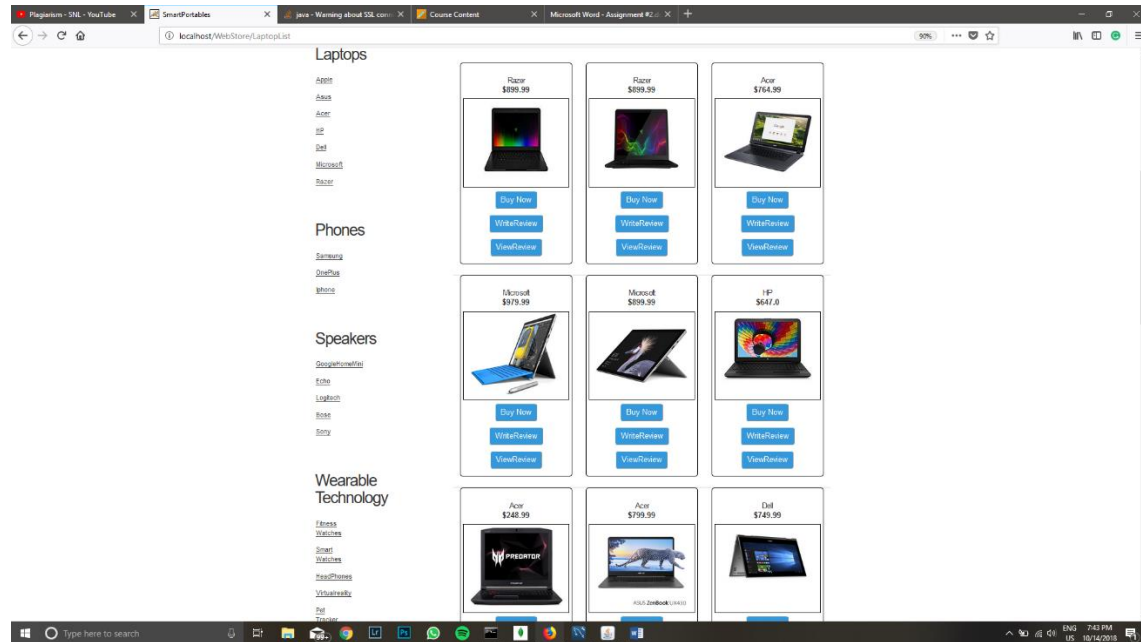


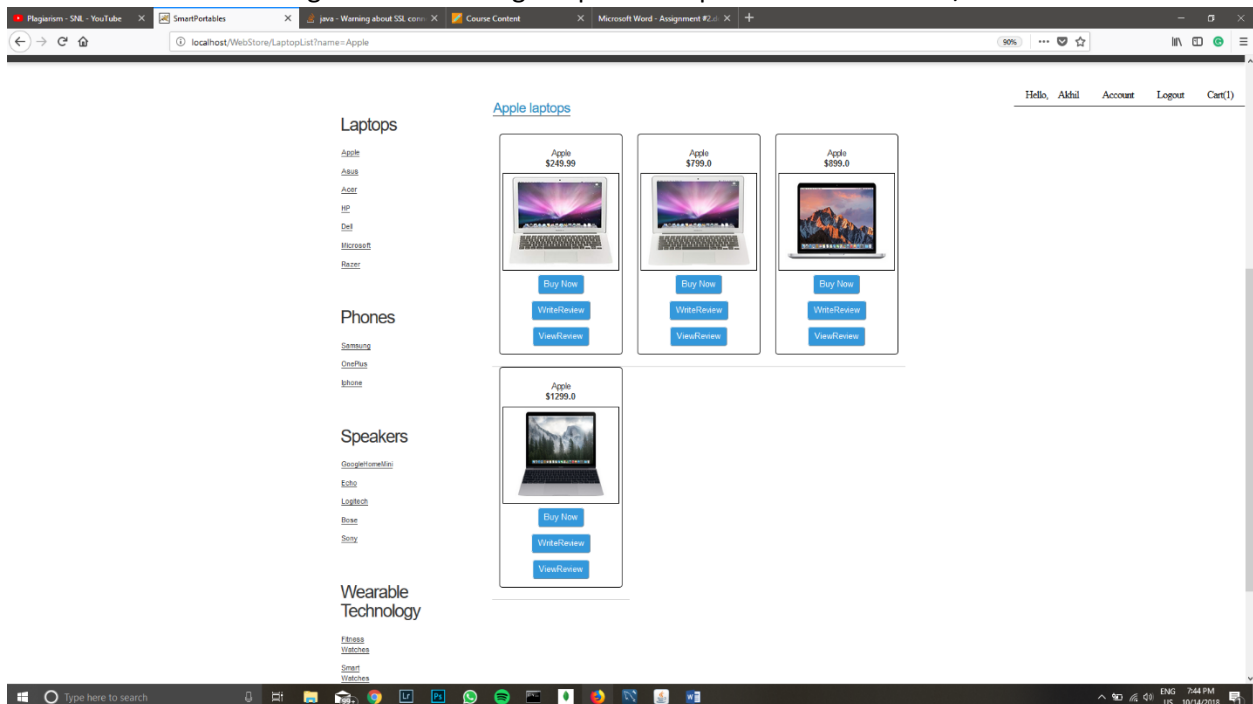
This is how home page looks like when it is opened



When we click on something on the header like laptop, phone, speaker, accessories or any kind of the wearable technology, we would get all the products related to that category and we could write a review or view a review by clicking the appropriate button so that we could decide whether to buy it or not.



When clicked on left navigation we would get a particular product and can read/write reviews



When customer/store manager/salesman registers on the website, it can be seen in the MySQL as shown.

The screenshot shows the MySQL Workbench interface. The 'registration' table is selected in the 'Schemas' pane. The 'Table: customerorders' information pane shows the table structure. The 'Result Grid' displays the data from the 'registration' table.

username	password	repassword	usertype
ahil	1234	1234	customer
ahil12345	1234	1234	Customer
ahil1234	1234	1234	StoreManager
asuryadevara	1234	1234	Customer
asuryadevara1	1234	1234	customer
asuryadevara12345	1234	1234	Salesman

The 'Action Output' pane shows the execution of the following SQL queries:

```
4 18:27:25 create table productdetails ( ProductType varchar(40), li varchar(40), productname varchar(40), productprice double, productimage varchar(40), prod...
5 18:27:53 select *from productdetails LIMIT 0, 1000
6 19:16:42 select *from orders LIMIT 0, 1000
7 19:16:51 select *from productdetails LIMIT 0, 1000
8 19:17:02 select *from orders LIMIT 0, 1000
9 19:45:30 select *from Registration LIMIT 0, 1000
```

All the products can be seen in product details in MySQL.

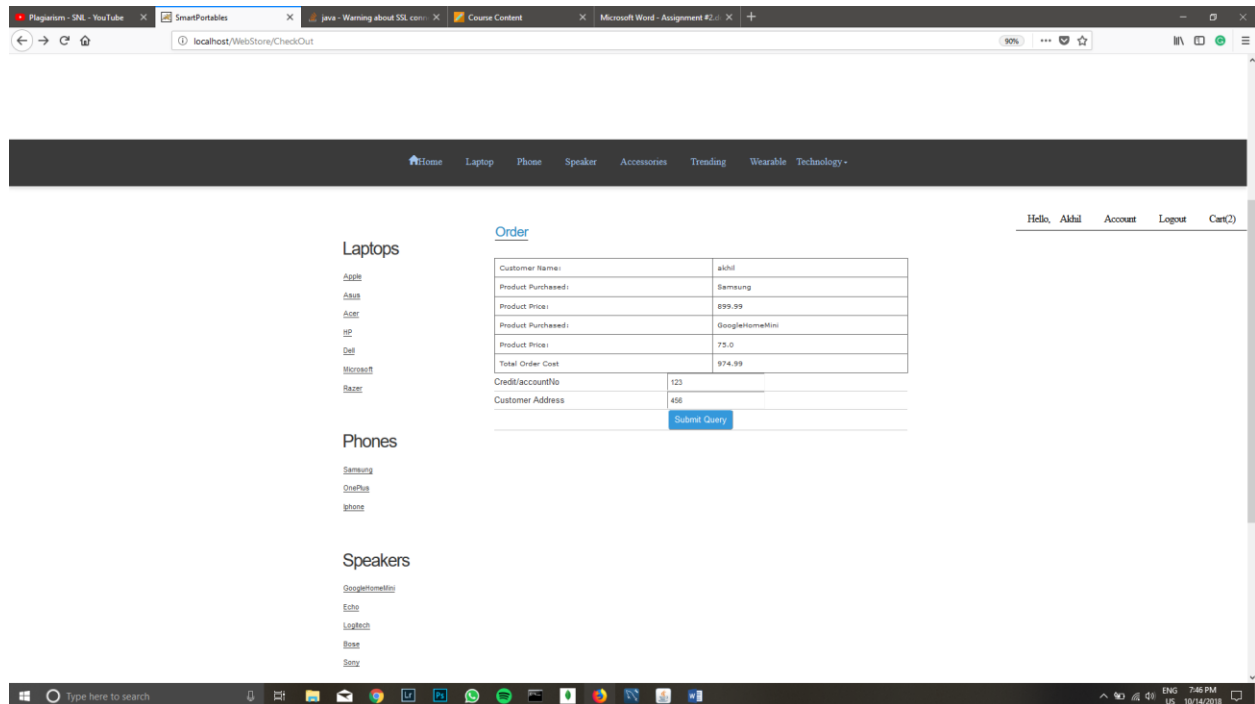
The screenshot shows the MySQL Workbench interface. The 'productdetails' table is selected in the 'Schemas' pane. The 'Table: customerorders' information pane shows the table structure. The 'Result Grid' displays the data from the 'productdetails' table.

ProductType	Id	productname	productPrice	productImage	productCondition	productDiscount
accessories	a1	Mouse	19.99	1.png	New	40
accessories	a2	PS4 Controller	89.99	2.png	Used	15
accessories	a3	XBox Controller	299.99	3.png	New	10
accessories	a4	case	29.99	4.png	New	15
laptop	hp	Acer	249.99	5.png	New	10
laptop	hp	HP	349.99	2.png	New	10
laptop	Del_1	Del	249.99	4.png	New	10
laptop	hp_1	HP	249.99	7.png	New	10
laptop	asus	Asus	399.99	1.png	New	10
laptop	Mac	Macbook air	249.99	6.png	New	10
laptop	del	Del	349.99	3.png	New	10
laptop	Del_2	Del 2	249.99	8.png	New	10
phone	nexus	Nexus	299.99	3.png	New	15
phone	sony	Sony Xperia	189.99	7.png	New	15
phone	speria	Xperia C3	159.99	5.png	New	15
phone	s8	Samsung s8	189.99	1.png	New	40
phone	69	Samsung 69	189.99	2.png	Used	20
phone	phone7	Iphone 7	159.99	5.png	New	15
phone	phone6	Iphone 6	159.99	6.png	New	15
phone	phone5	Iphone 5	299.99	4.png	New	15
speaker	s3	Edzo	99.99	3.png	New	15

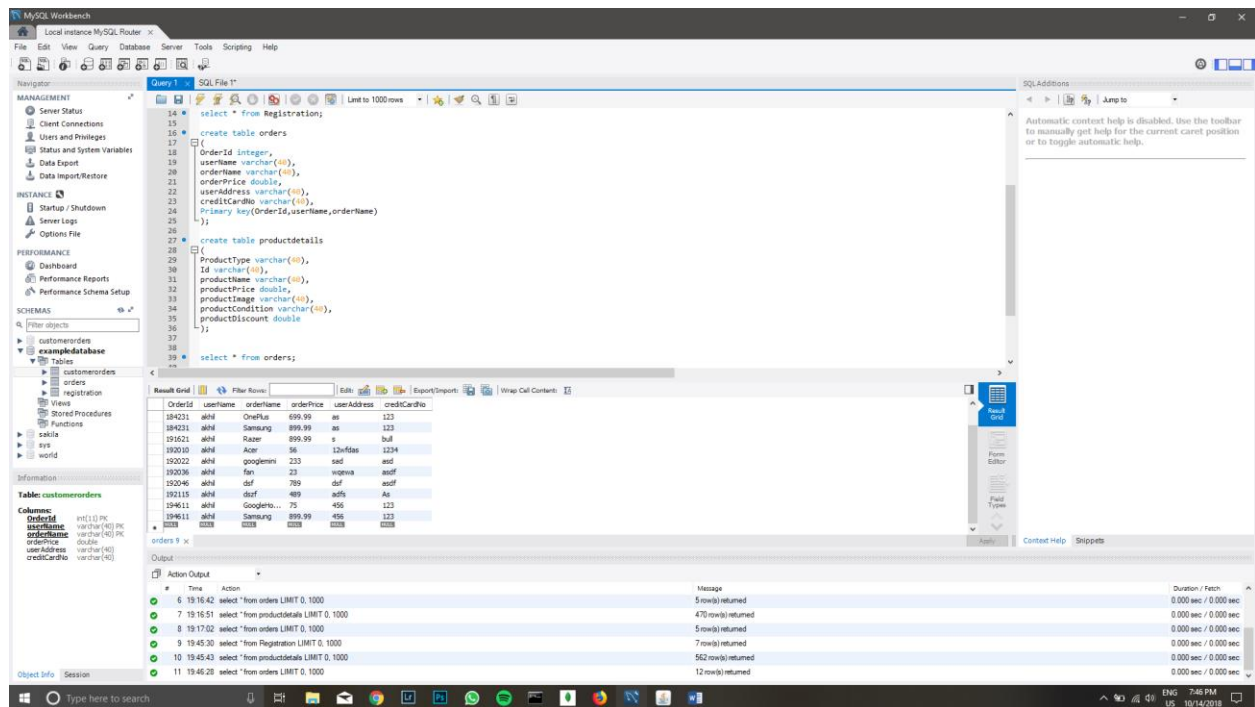
The 'Action Output' pane shows the execution of the following SQL queries:

```
5 18:27:53 select *from productdetails LIMIT 0, 1000
6 19:16:42 select *from orders LIMIT 0, 1000
7 19:16:51 select *from productdetails LIMIT 0, 1000
8 19:17:02 select *from orders LIMIT 0, 1000
9 19:45:30 select *from Registration LIMIT 0, 1000
10 19:45:43 select *from productdetails LIMIT 0, 1000
```

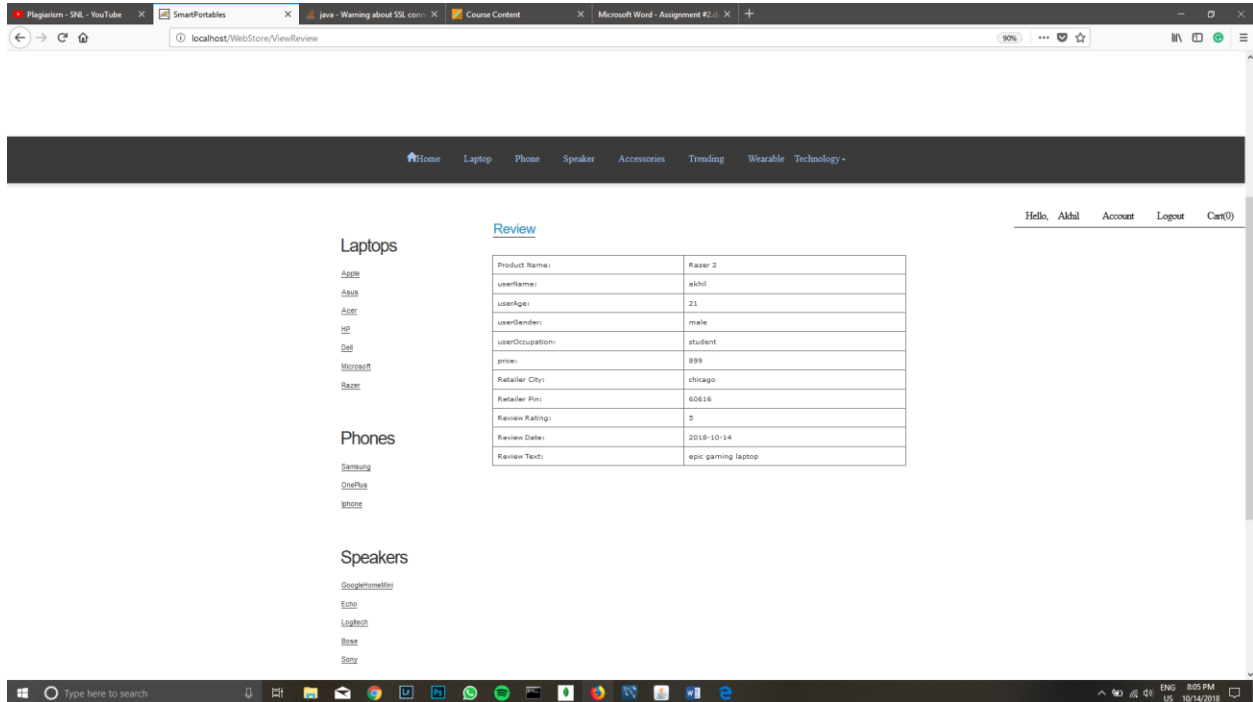
By clicking buy now and proceeding to check out. This order now stores in MySQL under the table called orders



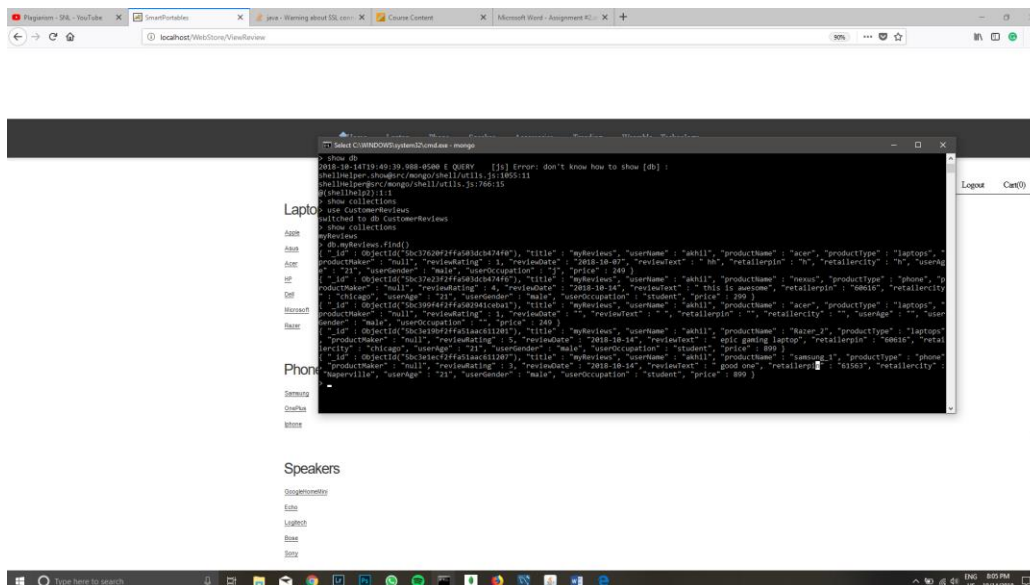
The storing of the order is shown in MySQL below.



When user selects “write Review” for a particular product, It redirects to Write Review Servlet. Now, we can write the review for it. After writing the review the user can select “View Review” in order see their and other reviews.



Since the reviews are unstructured they are stored in NoSQL database called MongoDB. The reviews stored in MongoDB are shown in output below.



Some of the analytics is done on the recorded reviews too.

For example when the user selects to show all the reviews which has rating 3

The screenshot shows a web application titled "Data Analytics on Review". It features a navigation bar with links: Home, Laptop, Phone, Speaker, Accessories, Trending, Wearable, Technology. Below the navigation bar, there are tabs: ViewProduct, Data Visualization, DataAnalytics (active), Hello, Akhal, Logout, Cart(0). The main content area is divided into sections for different product categories: Laptop, Phone, Speakers, and Wearable Technology. Each section has a list of product names and a "Select" checkbox. The "Laptop" section is currently active, and the "Review Rating" filter is set to 3. The "Find Data" button is located at the bottom of the filter section.

Product Name	Product Price	Review Rating	Retailer City	Retailer Zip code
All Products	0	3		

It shows all the reviews which has a rating of 3

The screenshot shows the same web application as before, but now it displays the results of the search. The "Review Rating" filter is still set to 3, and the "Find Data" button is visible. The results table shows a single review with a rating of 3.

Review
Review
Rating
Price
Retailer City
Date
Review Text
Retailer Zip Code

