

## PRICE MATCH GUARANTEED IMPLEMENTATION

```
In [32]: import re
import pymysql

rx = pymysql.connect(user='root', password='root',
                    host='127.0.0.1',
                    database='bestdealsdatabase')

cursor = cur.cursor()

query = ("SELECT PRODUCT_NAME FROM PRODUCT")
cursor.execute(query)

dealMatches = []
for product in cursor:
    for tweet in timeline:
        desc = (tweet['text']).encode('ascii', 'ignore')
        if (len(re.findall(r'[-]?product[0-9]+', desc)) >= 1):
            dealMatches.append([product[0], desc])

dealMatches.sort()
```

```
Save $50 on Bose SoundLink Around Ear Wireless Headphones. #Wiflingadeasy https://t.co/mjy@100Lp
Save $50 on Samsung 32" Class LED 1080p Smart HDTV - Only $219.99. #Wiflingadeasy https://t.co/9dmi5dail
Save up to $50 on select Chromebooks. #Wiflingadeasy https://t.co/Pha1vP880
Save $40 on a Westinghouse 32" Class (31.5" Diag.) LED 720p HDTV. #Wiflingadeasy https://t.co/0Wgpc0d85
Save $1,280 on select 65" Class LED TVs. #Wiflingadeasy https://t.co/8L8brvP335
Free 64GB MicroSD Memory Card and Free $55 Best Buy gift card with purchase. #Wiflingadeasy https://t.co/02Q805663
Black Friday savings still here. Get select games for only $29.99. #Wiflingadeasy https://t.co/hc110mduK
Get up to a $150 Best Buy gift card with purchase of any iPhone 7 device. #Wiflingadeasy https://t.co/813r3L7K1X
Save $150 on Sony HT-RTS Sound Bar with Wireless Sub and Rear Speaker. #Wiflingadeasy https://t.co/8wz18zr6L
Save $280 on DJI Phantom 4 Drone - Only $899.99. #Wiflingadeasy https://t.co/YaW4K110M
```

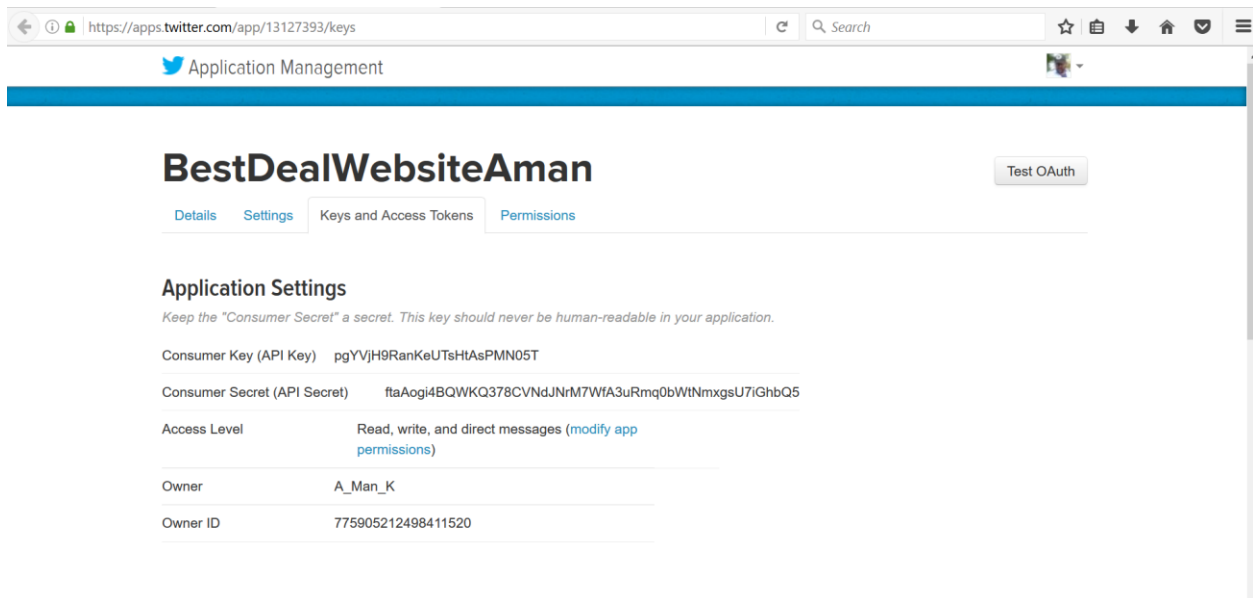
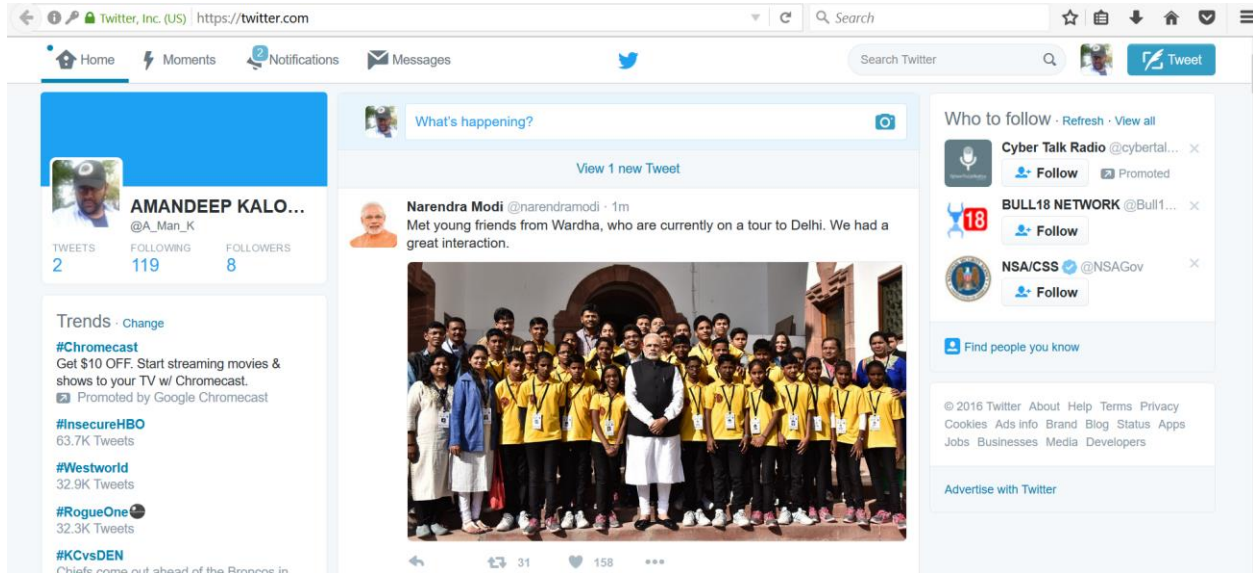
Getting data from the python script using the twitter API giving our connection details and access tokens generated from the <https://apps.twitter.com/apps> . The script generates a file name DealMatches.txt that contains the deals that matches the names of the products in our database.

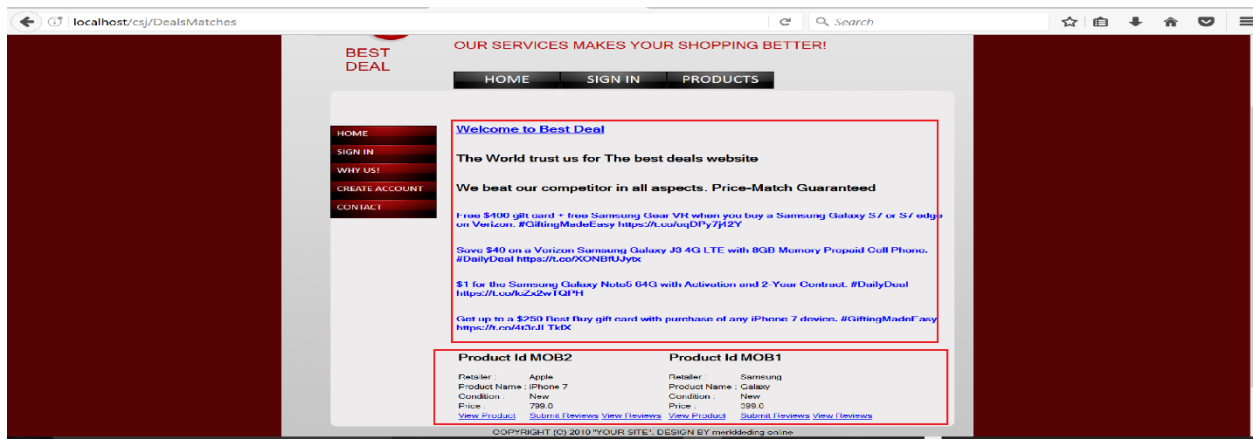
```
credentials.txt - Notepad
File Edit Format View Help
consumer_key=9fZyDbrFe9JDv8VQ3mkDuBB
consumer_secret=97wv204uL3B15E5KJH3TDCVCR13Ltzv0F848nfpbHEKSw0tp
access_token_key=7759862314888415528-uMf0Uy7Y2puz2M31Q8M0vP1ubmKAZB
access_token_secret=8G8Ap21gORUaHu3t63CKGd7ZvIm6bPc8x3t8LseHE6UZ

DealMatches.txt - Notepad
File Edit Format View Help
Free $400 gift card + free Samsung Gear VR when you buy a Samsung Galaxy S7 or S7 edge on Verizon. #Wiflingadeasy https://t.co/uDP7j42Y
Save $40 on a Verizon Samsung Galaxy J3 4G LTE with 8GB Memory Prepaid Cell Phone. #Wiflingadeasy https://t.co/X0H8Fzj7x
$1 for the Samsung Galaxy Note4 with Activation and 2-year Contract. #Wiflingadeasy https://t.co/1d2k2dQm
Get up to a $150 Best Buy gift card with purchase of any iPhone 7 device. #Wiflingadeasy https://t.co/413r3L7K1X
```

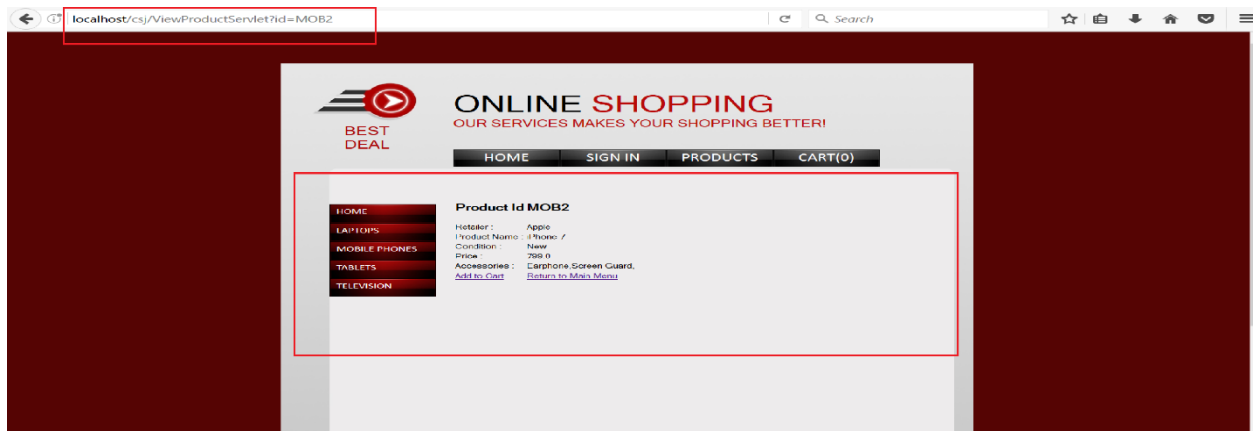
The above screen shot contains the information regarding the credentials.txt file and DealMatches.txt file that has been generated by the python script provided and it contains the info regarding the deals that matches our products in the database.

## Creating Access Tokens using Twitter Accounts



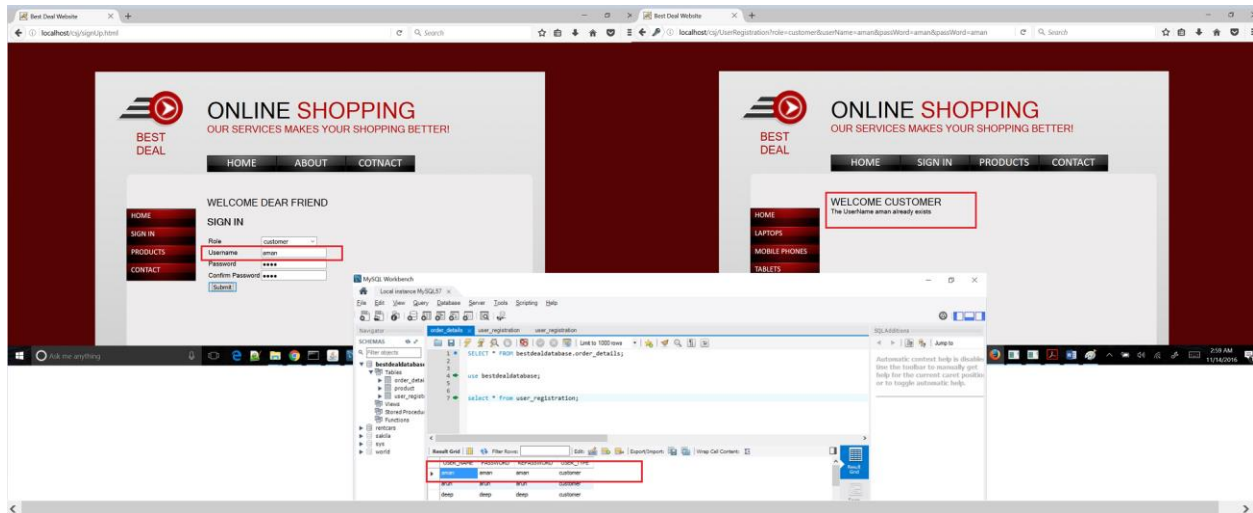


Deals being shown on the load of the application and corresponding matching products also being shown with view product links on them. And we can show them on screen.



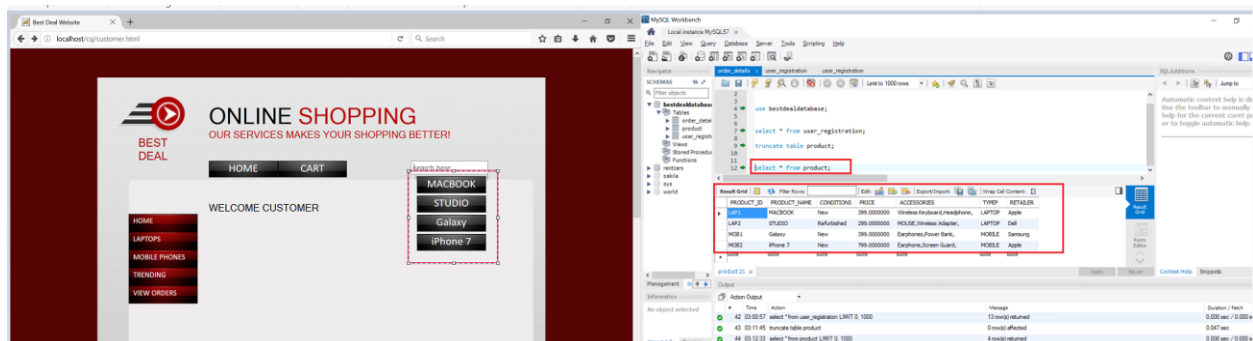
## USER SIGNUP AND LOGIN

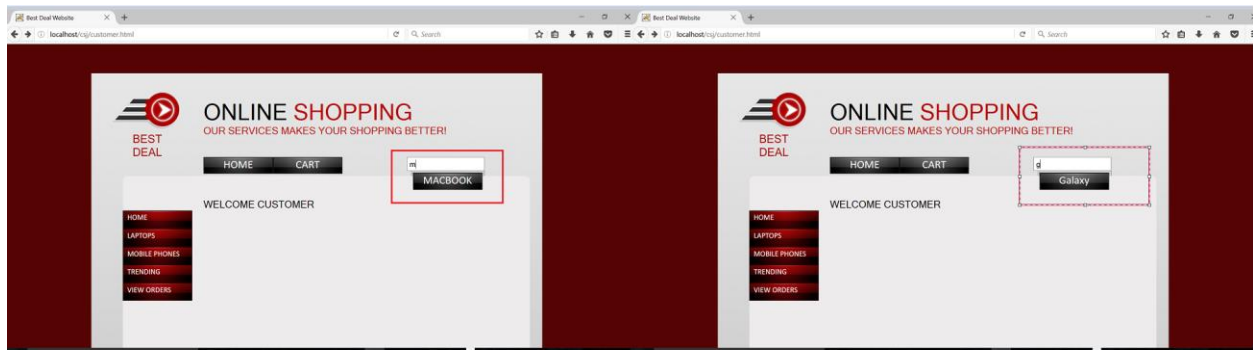
New user registration will be only required if there is no other user with the same name exists.



## Auto-Completion Feature

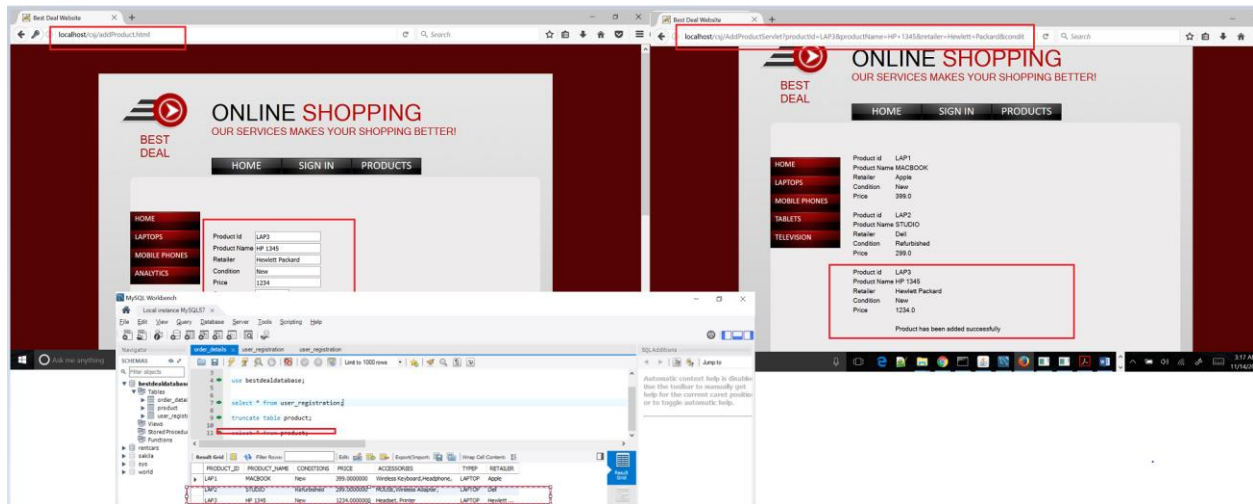
In this assignment Autocompletion feature has been implemented. From the initials of words typed by the user the system will prompt with the matching Products.





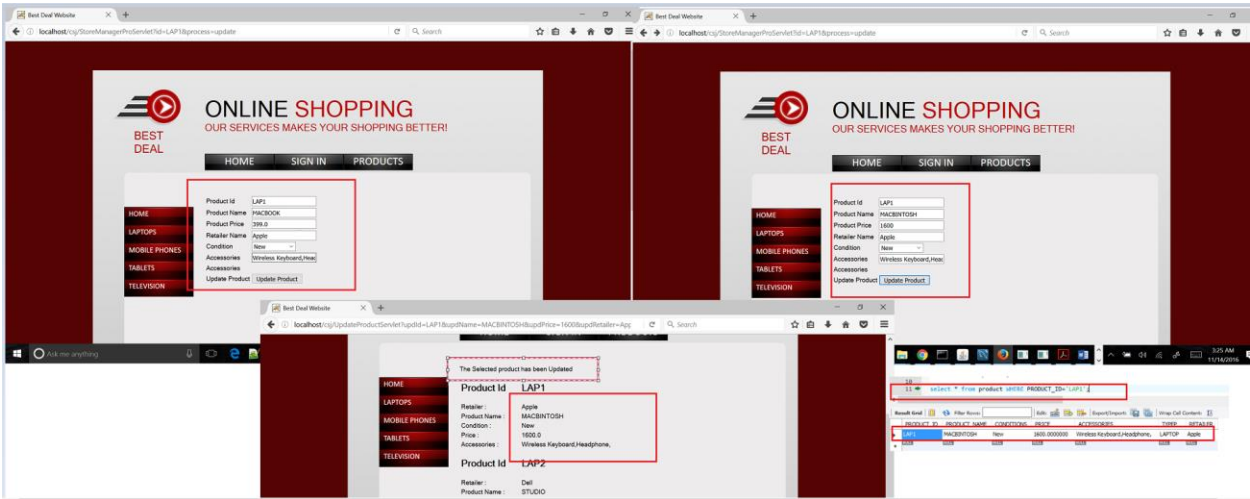
## STORE MANAGER ADDING A NEW PRODUCT

Store Manager can add a new product which will be displayed in the database as well.



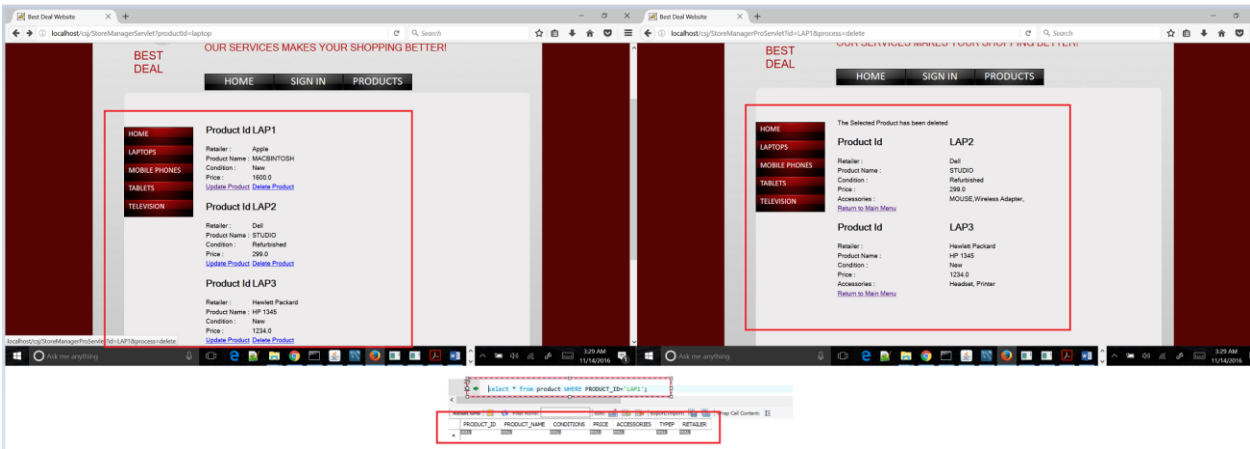
STORE MANAGER UPDATING A PRODUCT

Store Manager can update a product that will also be reflected in the database.



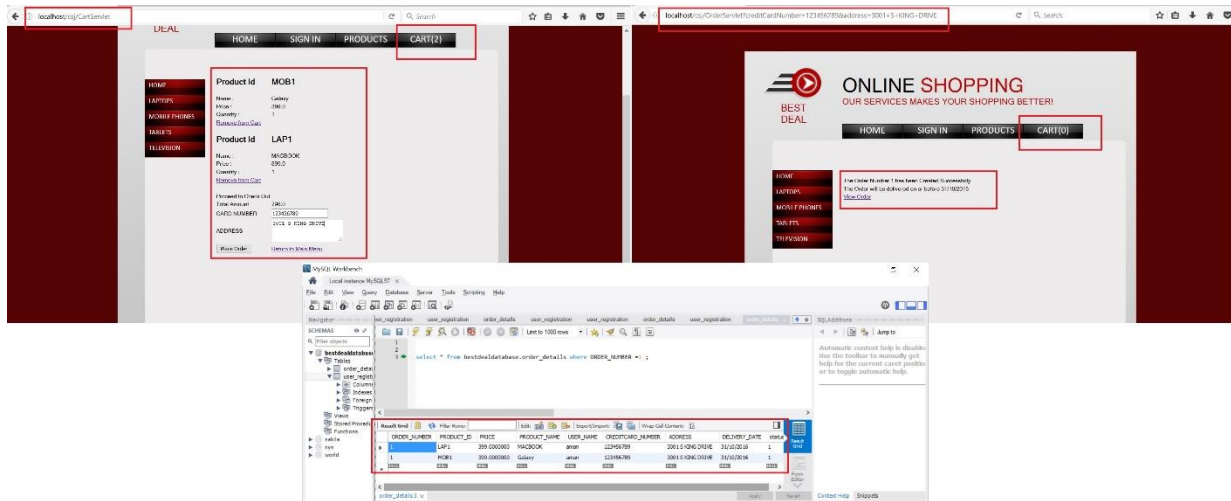
STOREMANAGER DELETING A PRODUCT

Store Manager can delete a product which will also be deleted from the database.



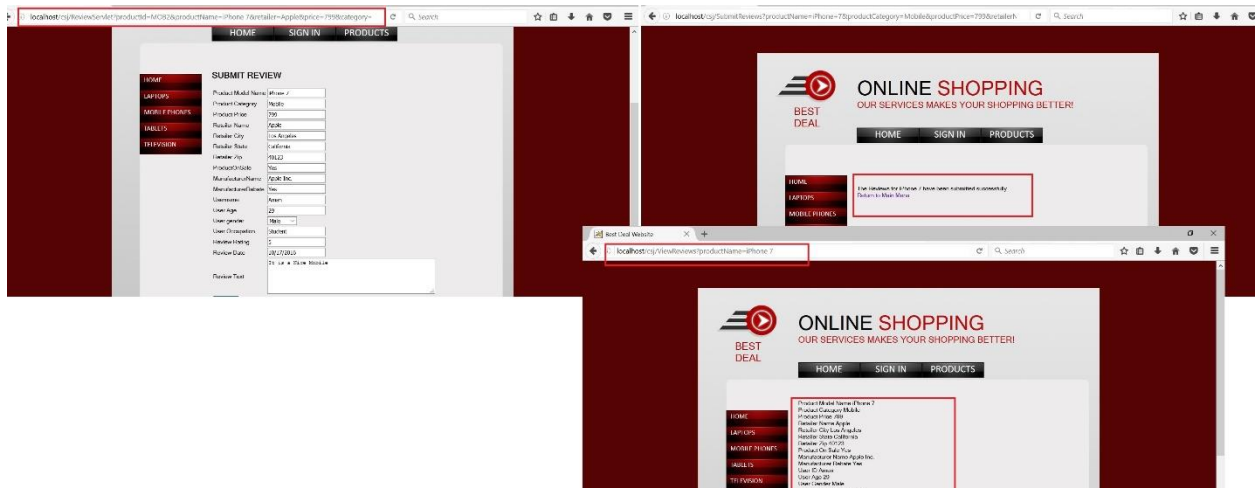
## CUSTOMER PLACING AN ORDER

Customer can place an order which will be stored in the database.



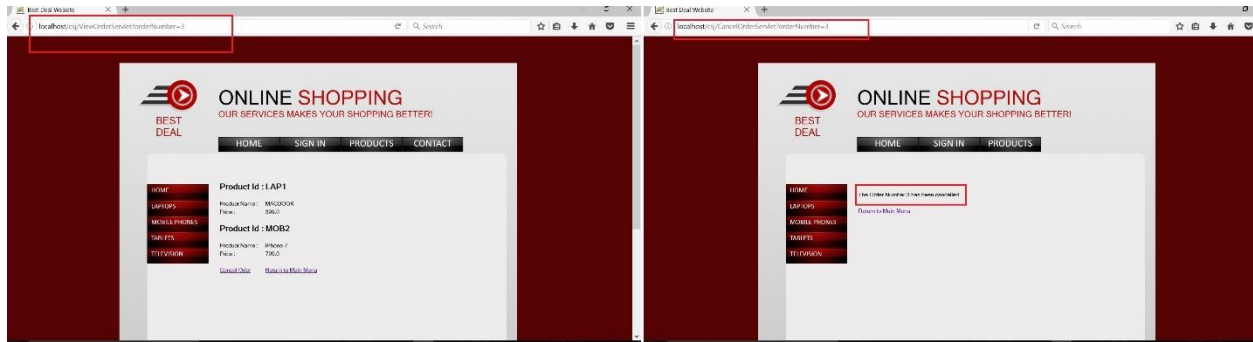
## VIEWING AND SUBMITTING A REVIEW BY CUTOMER

Customer can submit views and reviews which we can store in the mongoDB and hence could reviewed by the other users and himself as well.



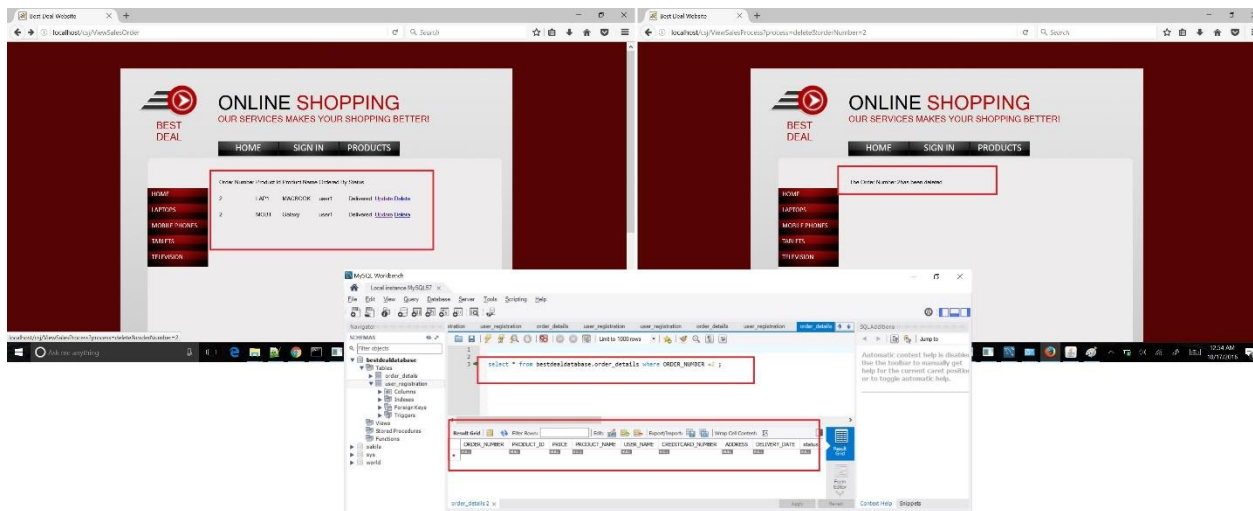
## CUSTOMER VIEWING AND CANCELLING ORDERS

Customer can view and cancel their respective orders.



## SALESMAN DELETING THE ORDERS

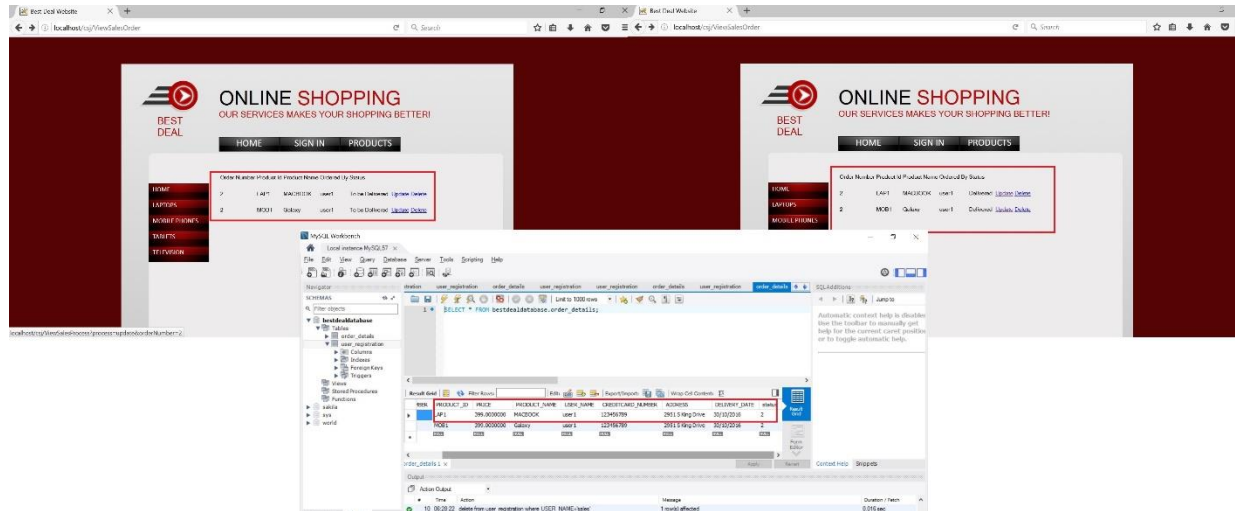
Sales man can delete the orders placed by the customers.





## SALESMAN UPDATING AN ORDER

Salesman can update the order of a customer.



## CUSTOMER SELECTING TRENDING PRODUCTS

This product having top and are trending are shown on call of this function.

