

# CS-584: Enterprise Web Application

## Assignment-5

Name: Parthkumar Patel

CWID: A20416508

### 1. Matched Deal from BestBuy

```
In [34]: # Sanity Test that we got some deals
dealMatchGauranteed
```

```
Out[34]: ['Save $130 on the Lenovo 330S 15IKB 15.6" Laptop Intel Core i3 4GB Memory 128GB Solid State Drive - Midnight Blue. #Deal',
'Save $250 on the Lenovo Yoga 730 2 in 1 15.6" Touch Screen Laptop Intel Core i5 8GB Memory 256GB Solid State Drive - Iron Gray. #Deal']
```

**Create and write the deals into DealMatches.txt file that will be used by web-app of BestDeal to display two deal matches**

```
In [35]: dealMatchFile = open('C:/apache-tomcat-7.0.34/webapps/AS5/webdata/DealMatches.txt', 'w')

for deal in dealMatchGauranteed:
    dealMatchFile.write("%s\n" % deal)

dealMatchFile.close()
```

### 2. Matched deals on Home Page

ProductRecommender - Jupyter

Assignment5BestBuyDeals - Jupyter

/manager

BestDeal

localhost:8080/AS5/

Apps Gmail Quora YouTube IIT CHICAGO Blackboard Learn GitHub job 11thdec-21thjan edX Coursera Udacity osna Other bookmarks

PHONES

Apple

One Plus

Samsung

LAPTOPS

Apple

Dell

Microsoft

Lenovo

VOICE ASSISTANT

Amazon

Google

FITNESS WATCHES

Fitbit

Fossil

SMART WATCHES


Apple

We beat our competitors in all aspects. Price Match Guarantee.

Save \$250 on the Lenovo Yoga 730 2 in 1 15.6" Touch Screen Laptop Intel Core i5 8GB Memory 256GB Solid State Drive - Iron Gray. #Deal

Save \$130 on the Lenovo 330S 15IKB 15.6" Laptop Intel Core i3 4GB Memory 128GB Solid State Drive - Midnight Blue. #Deal

Best Deal




LENOVO 330S 15IKB 15.6" LAPTOP INTEL CORE I3 4GB MEMORY 128GB SOLID STATE DRIVE - MIDNIGHT BLUE.  
Manufacturer:Lenovo | Condition:New | Discount: 0.0%  
Currently Available

\$379.99

Add to Cart

View Product



LENOVO YOGA 730 2 IN 1 15.6" TOUCH SCREEN LAPTOP INTEL CORE I5 8GB MEMORY 256GB SOLID STATE DRIVE - IRON GRAY.  
Manufacturer:Lenovo | Condition:New | Discount: 0.0%  
Currently Available

\$580.99

Add to Cart

View Product

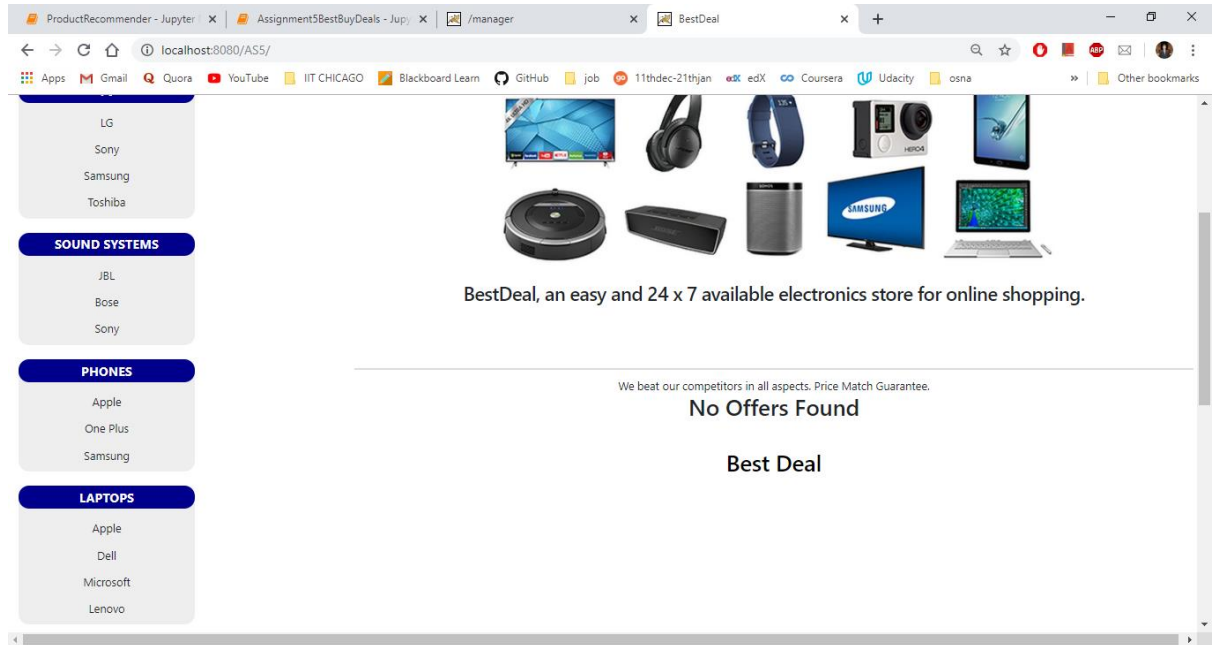
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### 3. No deal Matches



### 4. Test Data

| Skullcandy - Crusher Wireless Over-the-Ear Headphones - Black/Coral |               |   |   |   |
|---|---------------|---|---|---|
|   | A             | B   | C | D |
| 1   | Rudresh       | LG - 65" Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR  | 4 |   |
| 2   | Rudresh       | LG - 65" Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR  | 5 |   |
| 3   | Rudresh       | LG - 75" Class - LED - UK6190 Series - 2160p - Smart - 4K UHD TV with HDR   | 3 |   |
| 4   | Rudresh       | 4 Pack - LG Cinema 3D Glasses   | 2 |   |
| 5   | Jay           | Sony - 55" Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR   | 5 |   |
| 6   | Rudresh       | LG - 32" Class - LED - 720p - Smart - HDTV with HDR   | 1 |   |
| 7   | Shubham Patel | Apple - iPhone 11 Pro 256GB - Space Gray  | 4 |   |
| 8   | Shubham Patel | Apple - iPhone 11 128GB - Black   | 3 |   |
| 9   | Vidhi Amin    | Amazon - Echo Dot (3rd Gen) - Smart Speaker with Alexa - Charcoal   | 3 |   |
| 10  | Krusha Patel  | Skullcandy - Crusher Wireless Over-the-Ear Headphones - Black/Coral   | 4 |   |
| 11  | Arpit Patel   | Apple - MacBook Air 13.3" Laptop with Touch ID - Intel Core i5 - 8GB Memory - 128GB Solid State Drive (Latest Model) - Space Gray | 3 |   |
| 12  | Arpit Patel   | Apple - Apple Watch Series 5 (GPS) 44mm Space Gray Aluminum Case with Black Sport Band - Space Gray Aluminum                      | 3 |   |
| 13  | Darsh Patel   | Tmobile - Ultimate  | 2 |   |
| 14  | Harsh Thakkar | Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band   | 5 |   |
| 15  | Jayraj Dave   | Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black   | 5 |   |
| 16  |               |   |   |   |

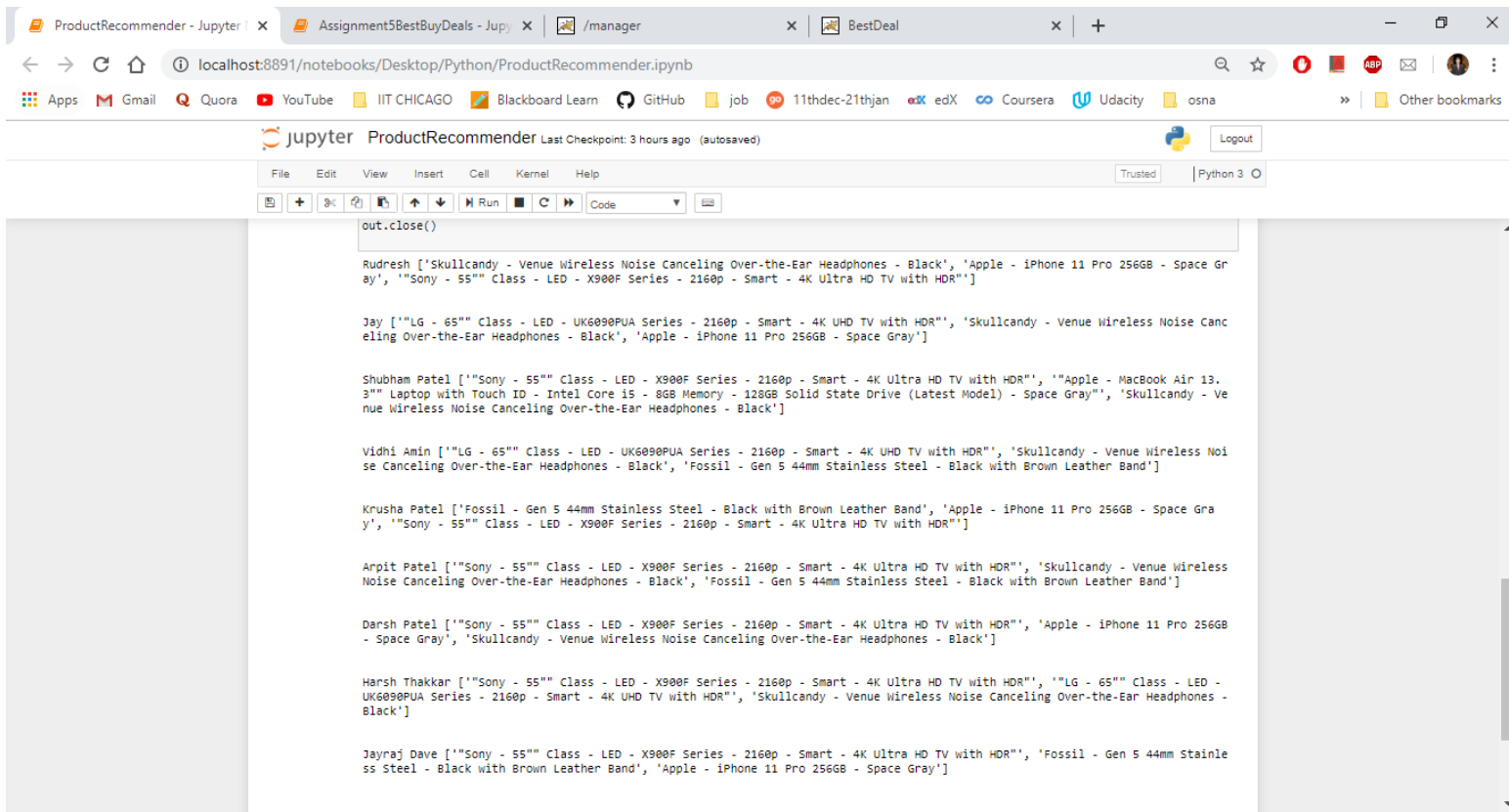
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### 5. Recommended Products in python script



```
out.close()

Rudresh ['Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Apple - iPhone 11 Pro 256GB - Space Gray', 'Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR']]

Jay ['"LG - 65''' Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Apple - iPhone 11 Pro 256GB - Space Gray']

Shubham Patel ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', '"Apple - MacBook Air 13.3"' Laptop with Touch ID - Intel Core i5 - 8GB Memory - 128GB Solid State Drive (Latest Model) - Space Gray"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black']

Vidhi Amin ['"LG - 65''' Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band']

Krusha Patel ['Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band', 'Apple - iPhone 11 Pro 256GB - Space Gray', '"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"']

Arpit Patel ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band']

Darsh Patel ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', 'Apple - iPhone 11 Pro 256GB - Space Gray', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black']

Harsh Thakkar ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', '"LG - 65''' Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black']

Jayraj Dave ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', 'Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band', 'Apple - iPhone 11 Pro 256GB - Space Gray']
```

### 6. Saved recommended products in CSV file

| B5 |               |  | ['Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band', 'Apple - iPhone 11 Pro 256GB - Space Gray']  |  |   |
|----|---------------|--|--|--|---|
|    | A             |  | B  |  | C |
| 1  | Rudresh       |  | ['Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Apple - iPhone 11 Pro 256GB - Space Gray', 'Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"]   |  |   |
| 2  | Jay           |  | ['"LG - 65''' Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Apple - iPhone 11 Pro 256GB - Space Gray']  |  |   |
| 3  | Shubham Patel |  | ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', '"Apple - MacBook Air 13.3"' Laptop with Touch ID - Intel Core i5 - 8GB Memory - 128GB Solid State Drive (Latest Model) - Space Gray"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black'] |  |   |
| 4  | Vidhi Amin    |  | ['"LG - 65''' Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band']   |  |   |
| 5  | Krusha Patel  |  | ['Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band', 'Apple - iPhone 11 Pro 256GB - Space Gray', '"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"']   |  |   |
| 6  | Arpit Patel   |  | ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black', 'Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band']  |  |   |
| 7  | Darsh Patel   |  | ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', 'Apple - iPhone 11 Pro 256GB - Space Gray', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black']   |  |   |
| 8  | Harsh Thakkar |  | ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', '"LG - 65''' Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR"', 'Skullcandy - Venue Wireless Noise Canceling Over-the-Ear Headphones - Black']   |  |   |
| 9  | Jayraj Dave   |  | ['"Sony - 55''' Class - LED - X900F Series - 2160p - Smart - 4K Ultra HD TV with HDR"', 'Fossil - Gen 5 44mm Stainless Steel - Black with Brown Leather Band', 'Apple - iPhone 11 Pro 256GB - Space Gray']   |  |   |
| 10 |               |  |  |  |   |

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### 7. Recommendation to the logged in user

[Phones](#) [Laptops](#) [Voice Assistant](#) [Fitness Watches](#) [Smart Watches](#) [Headphones](#) [Wireless Plan](#)


Cart(1) Hi Rudresh! Welcome [Sign out](#)

Search product i.e. Apple Watch

Cart Details

Place Order


| #  | Product  | Quantity | Buy Warranty             | Remove                 |
|----|--|----------|--------------------------|------------------------|
| 1. | LG - 65" Class - LED - UK6090PUA Series - 2160p - Smart - 4K UHD TV with HDR | 1        | <input type="checkbox"/> | <a href="#">Remove</a> |



Manufacturer:Skullcandy

Price:52.99


[Add to Cart](#)  
[View Product](#)



Manufacturer:Fossil

Price:295.0

[Add to Cart](#)  
[View Product](#)



Manufacturer:Sony

Price:1149.99

[Add to Cart](#)  
[View Product](#)