

CS 595 Assignment -2

Screenshot 1

[HOME](#) [DATA ANALYTICS](#)

Find Data

Simple Search

<input checked="" type="checkbox"/> Select	Product Name:	All Products	
<input type="checkbox"/> Select	Product Category:	All Products	
<input type="checkbox"/> Select	Manufacturer Names:	All Products	
<input type="checkbox"/> Select	Product Price:	0	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than <input type="radio"/> Less Than <input type="radio"/> Max (Group With)
	Retailer Name:	GameCenter	
<input type="checkbox"/> Select	Retailer Zip code:	0	
<input type="checkbox"/> Select	Retailer City:	All	
<input type="checkbox"/> Select	Retailer State:		
<input type="checkbox"/> Select	Review Rating:	1	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than
<input type="checkbox"/> Select	Search by UserName:		
		0	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than

This is the main page of data analytics for my application.

Screenshot 1

1. Print the list of all products and their ratings

Find Data

Simple Search			
<input checked="" type="checkbox"/> Select	Product Name:	All Products ▾	
<input type="checkbox"/> Select	Product Category:	All Products ▾	
<input type="checkbox"/> Select	Manufacturer Names:	All Products ▾	
<input type="checkbox"/> Select	Product Price:	0 ▴ ▾	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than <input type="radio"/> Less Than <input type="radio"/> Max (Group With)
	Retailer Name:	GameCenter	
<input type="checkbox"/> Select	Retailer Zip code:	0 ▴ ▾	
<input type="checkbox"/> Select	Retailer City:	All ▾	
<input type="checkbox"/> Select	Retailer State:		
<input type="checkbox"/> Select	Review Rating:	1 ▾	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than
<input type="checkbox"/> Select	Search by UserName:		
<input type="checkbox"/> Select	Search by User Age:	0 ▴ ▾	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than <input type="radio"/> Less Than
<input type="checkbox"/> Select	Review Keyword:		
-			

Checked fields

-Product Name checkbox with values as All Products. Click FIND

Query Result

1

Product Name: PS4
Product Category: Game-Consoles Price: 342 Retailer: GameCenter Retailer Zipcode: 60616 Retailer City: Chicago Retailer State: IL Sale: Yes User ID: Kedar User Age: 25 User Gender: Male Manufacturer: Sony Rating: 5 Date: 10/26/2015 Review Text: This gives best user experience

2

Product Name: Xbox-360
Product Category: Game-Consoles Price: 180 Retailer: GameCenter Retailer Zipcode: 60615

Screenshot 2

2. Print a list of reviews where rating greater than 3

<input type="checkbox"/> Select	Review Rating:	3 ▼	<input type="radio"/> Equals <input checked="" type="radio"/> Greater Than
<input type="checkbox"/> Select	Search by UserName:		

Checked fields

-Review Rating checkbox with values as 3 and greater than radio box. CLICK FIND

Query Result

1

Product Name: **PS4**

Product Category: Game-Consoles
Price: 342
Retailer: GameCenter
Retailer Zipcode: 60616
Retailer City: Chicago
Retailer State: IL
Sale: Yes
User ID: Kedar
User Age: 25
User Gender: Male
Manufacturer: Sony
Rating: 5
Date: 10/26/2015
Review Text: This gives best user experience

2

Product Name: **Xbox-360**

Product Category: Game-Consoles
Price: 180
Retailer: GameCenter
Retailer Zipcode: 60615
Retailer City: Chicago
Retailer State: IL
Sale: Yes
User ID: Matt
User Age: 48
User Gender: Male

3. Get a list of products that got review rating 5 and price more than thousand

<input checked="" type="checkbox"/> Select	Product Price:	1000	<input type="radio"/> Equals <input checked="" type="radio"/> Greater Than <input type="radio"/> Less Than <input type="radio"/> Max (Group With)
	Retailer Name:	GameCenter	
<input type="checkbox"/> Select	Retailer Zip code:	0	
<input type="checkbox"/> Select	Retailer City:	All	
<input type="checkbox"/> Select	Retailer State:		
<input checked="" type="checkbox"/> Select	Review Rating:	5	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than

Checked fields

- Product Price checkbox with values as 1000 and greater than radio box.
- Review Rating checkbox with values as 5 and equals radio box. CLICK FIND.

Query Result

1

Product Name: Nintendo 2DS-Prime
Product Category: Game-Consoles Price: 1164 Retailer: GameCenter Retailer Zipcode: 53256 Retailer City: Boston Retailer State: MA Sale: Yes User ID: Kedar User Age: 32 User Gender: Male Manufacturer: Nintendo Rating: 5 Date: 10/23/2015 Review Text: Very Expensive

4. Print a list of how many reviews for every product

Grouping	
<input checked="" type="checkbox"/> Group By	City 

Checked fields

- Group By City and CLICK FIND.

Query Result

Grouped By - City

City: Orlando	Reviews Found: 3	Max Price: null
Product: Fifa 15 Rating: 3 Review: Test review Price: 171.0		
Product: Nyko Controller Attachment Rating: 5 Review: New Price: 15.0		
Product: Nyko Controller Attachment Rating: 5 Review: Test test Price: 15.0		
City: Houston	Reviews Found: 4	Max Price: null
Product: Fifa 15 Rating: 5 Review: Best Product Price: 171.0		
Product: Call of Duty 2 Rating: 4 Review: Test review Price: 171.0		

5. Get the list of reviews for shoppers in Chicago

<input checked="" type="checkbox"/> Select	Retailer City:	Chicago ▼	
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Checked fields

- Retailer city checkbox with value = chicago and CLICK FIND.

Query Result

1

Product Name: **PS4**

Product Category: Game-Consoles
Price: 342
Retailer: GameCenter
Retailer Zipcode: 60616
Retailer City: Chicago
Retailer State: IL
Sale: Yes
User ID: Kedar
User Age: 25
User Gender: Male
Manufacturer: Sony
Rating: 5
Date: 10/26/2015
Review Text: This gives best user experience

2

Product Name: **Xbox-360**

Product Category: Game-Consoles
Price: 180
Retailer: GameCenter
Retailer Zipcode: 60615
Retailer City: Chicago
Retailer State: IL
Sale: Yes
User ID: Matt
User Age: 48
User Gender: Male

6. Find highest price product reviewed/sold in every city

<input checked="" type="checkbox"/> Select	Product Price:	0	<input type="radio"/> Equals <input type="radio"/> Greater Than <input type="radio"/> Less Than <input checked="" type="radio"/> Max (Group With)
Grouping			
<input checked="" type="checkbox"/> Group By	City		

Checked fields

- Product price checkbox with no values and max radio box checked
- Group by city . CLICK FIND.

Query Result

Grouped By - City

City: Orlando	Reviews Found: 3	Max Price: 171.0
Product: Fifa 15 Rating: 3 Review: Test review Price: 171.0		
Product: Nyko Controller Attachment Rating: 5 Review: New Price: 15.0		
Product: Nyko Controller Attachment Rating: 5 Review: Test test Price: 15.0		
City: Houston	Reviews Found: 4	Max Price: 171.0
Product: Fifa 15 Rating: 5 Review: Best Product Price: 171.0		
Product: Call of Duty 2 Rating: 4 Review: Test review Price: 171.0		

7. Find highest price product reviewed/sold in every zip-code

<input checked="" type="checkbox"/> Select	Product Price:	<input type="text" value="0"/>	<input type="radio"/> Equals <input type="radio"/> Greater Than <input type="radio"/> Less Than <input checked="" type="radio"/> Max (Group With)
Grouping			
<input checked="" type="checkbox"/> Group By	Zip Code ▼		

Checked fields

- Product price checkbox with no values and max radio box checked
- Group by city . CLICK FIND.

Query Result

Grouped By - ZipCode

Zip Code: 53256	Reviews Found: 1	Max Price: 1164.0
Product: Nitendo 2DS-Prime Rating: 5 Review: Very Expensive Price: 1164.0		
Zip Code: 23423	Reviews Found: 1	Max Price: 427.0
Product: TestProduct Rating: 5 Review: Test Price: 427.0		
Zip Code: 43153	Reviews Found: 6	Max Price: 795.0
Product: Xbox-1 Rating: 4 Review: This is test Review Price: 256.0		
Product: Xbox-Original		

8. Get the top 5 list of liked products for every city

Grouping	
<input checked="" type="checkbox"/> Group By	City ▼
MOST Liked/Disliked PRODUCTS (use group by)	
<input checked="" type="checkbox"/> Highlights	Top 5 Liked ▼
FIND DATA	

Checked fields

- Group by city
- Highlights with Top 5 Liked . CLICK FIND.

Query Result

Top 5 most liked product of every City

City: Boston	Reviews Found: 7
Product: Nitendo 2DS-Deluxe Rating: 5	
Product: Nitendo 2DS-Prime Rating: 5	
Product: Nitendo 2DS-Deluxe Rating: 5	
Product: Xbox-1 Rating: 4	
Product: Wii Remote Plus Rating: 3	
City: Orlando	Reviews Found: 3
Product: Nyko Controller Attachment Rating: 5	
Product: Nyko Controller Attachment Rating: 5	
Product: Fifa 15 Rating: 3	

9. Print a list of reviews grouped by City

Grouping	
<input checked="" type="checkbox"/> Group By	City 

Checked fields

- Group by city. CLICK FIND

Query Result

Grouped By - City

City: Orlando	Reviews Found: 3	Max Price: null
Product: Fifa 15 Rating: 3 Review: Test review Price: 171.0		
Product: Nyko Controller Attachment Rating: 5 Review: New Price: 15.0		
Product: Nyko Controller Attachment Rating: 5 Review: Test test Price: 15.0		
City: Houston	Reviews Found: 4	Max Price: null
Product: Fifa 15 Rating: 5 Review: Best Product Price: 171.0		
Product: Call of Duty 2 Rating: 4 Review: Test review Price: 171.0		
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10. Print a list of reviews grouped by RetailerName

Grouping	
<input checked="" type="checkbox"/> Group By	Retailer Name ▼

Checked fields

- Group by Retailer Name. CLICK FIND

Query Result

Grouped By - Retailer

Retailer Name: GameCenter	Reviews Found: 21
Rating: 5 Review: This gives best user experience	
Rating: 4 Review: Excellent!!	
Rating: 4 Review: This is test Review	
Rating: 2 Review: Could not deliver on time	
Rating: 5 Review: Best Product	
Rating: 3 Review: Test review	
Rating: 4 Review: Test review	
Rating: 3 Review: New product	
Rating: 4 Review: I Love it!!	

11. Get the total number of products reviewed and got Rating 5 in Every City

<input checked="" type="checkbox"/> Select	Review Rating:	5 ▼	<input checked="" type="radio"/> Equals <input type="radio"/> Greater Than
Grouping			
<input checked="" type="checkbox"/> Group By	City ▼		

Checked fields

- Review Rating Checkbox with value = 5 and Equals Radio box
- Group by City. CLICK FIND

Query Result

Grouped By - City

City: Boston	Reviews Found: 3	Max Price: null
Product: Nitendo 2DS-Deluxe Rating: 5 Review: Nice Price: 795.0		
Product: Nitendo 2DS-Prime Rating: 5 Review: Very Expensive Price: 1164.0		
Product: Nitendo 2DS-Deluxe Rating: 5 Review: Best Mario Game exp Price: 795.0		
City: Orlando	Reviews Found: 2	Max Price: null
Product: Nyko Controller Attachment Rating: 5 Review: New Price: 15.0		
Product: Nyko Controller Attachment Rating: 5 Review: Test test Price: 15.0		

12. Provide a Trending button that shows a list of most liked product in every city

TRENDING

Checked fields

-Click Trending button

Query Result

Most Trending Product of Each City

City: Houston

Product Name: Fifa 15

Number of 5 Star Rating: 3

Product Price: 171.0

Product Category: Games

Manufacture Name: Electronic-Arts

Retailer Name: GameCenter

City: Orlando

Product Name: Nyko Controller Attachment

Number of 5 Star Rating: 2

Product Price: 15.0

Product Category: Accessories

Manufacture Name: Intex

Retailer Name: GameCenter

City: Chicago

Product Name: PS4

Number of 5 Star Rating: 2

Product Price: 342.0

Product Category: Game-Consoles

Manufacture Name: Sony

Retailer Name: GameCenter

City: Boston

Product Name: Nitendo 2DS-Deluxe

Number of 5 Star Rating: 2

Product Price: 795.0

Product Category: Game-Consoles

13. Print the median product prices per city

Grouping	
<input checked="" type="checkbox"/> Group By	City ▼
MOST Liked/Disliked PRODUCTS (use group by)	
<input checked="" type="checkbox"/> Highlights	Median ▼
FIND DATA	

Checked fields

-Group By City, Highlights : Median. Click FIND

Query Result

Median Price of each City

City: Houston	Median: 171.0
Product: Fifa 15 Price: 171.0	
Product: Call of Duty 2 Price: 171.0	
Product: Fifa 15 Price: 171.0	
Product: Fifa 15 Price: 171.0	
City: Boston	Median: 427.0
Product: Wii Remote Plus Price: 54.0	
Product: 1 years warranty card Price: 60.0	
Product: Xbox-1 Price: 256.0	
Product: Xbox-Original Price: 427.0	
Product: Nitendo 2DS-Deluxe Price: 795.0	

20. Search reviews text for keywords (pattern-matching) and print the list of reviews that have the matched keywords. For example, print the list of reviews that have "XBOX overheat" keywords in the review text

<input checked="" type="checkbox"/> Select	Review Keyword:	<input type="text" value="best"/>	<input type="text"/>
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Checked fields

- Check the Review keyword checkbox.
- Write any input variable to find the reviews for that keyword.

Query Result

1

Product Name: PS4
Product Category: Game-Consoles Price: 342 Retailer: GameCenter Retailer Zipcode: 60616 Retailer City: Chicago Retailer State: IL Sale: Yes User ID: Kedar User Age: 25 User Gender: Male Manufacturer: Sony Rating: 5 Date: 10/26/2015 Review Text: This gives best user experience

2

Product Name: Fifa 15
Product Category: Games Price: 171 Retailer: GameCenter Retailer Zipcode: 60616 Retailer City: Houston Retailer State: IL Sale: No User ID: Test1

These are the following assignment query outputs. Also data can be populated depending upon checking other checkbox and appropriate group by clauses.