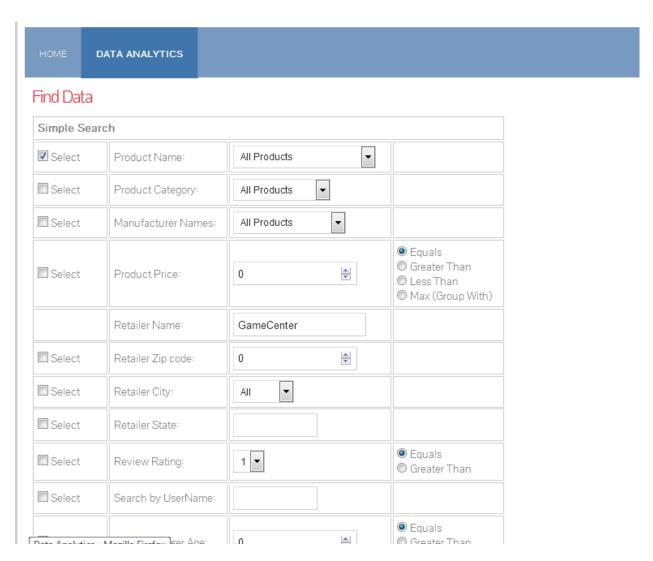
### CS 595 Assignment -2

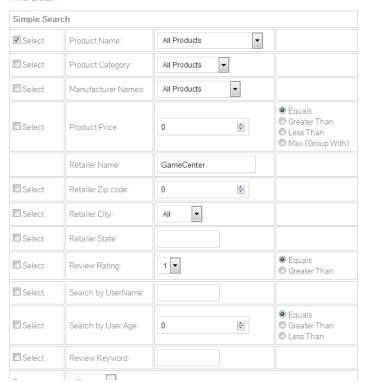
### **Screenshot 1**



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

### Screenshot 1

1. Print the list of all products and their ratings Hind Data



### **Checked fields**

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

### **Query Result**

#### 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

#### Product Name: Xbox-360

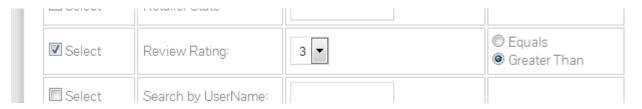
Product Category: Game-Consoles Price: 180

Retailer: GameCenter

Retailer Zipcode: 60615

### Screenshot 2

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



#### **Checked fields**

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

### **Query Result**

1

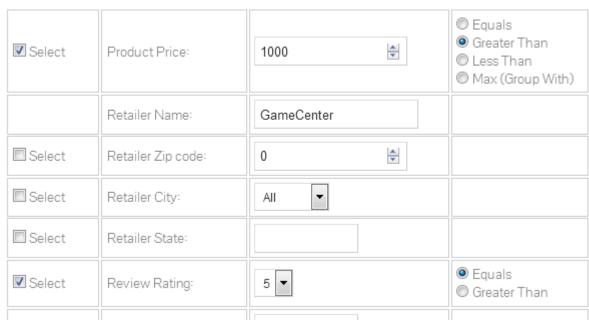
Product Category: Game-Consoles
Price: 342
Retailer: GameCenter
Retailer Zipcode: 60616
Retailer City: Chicago
Retailer State: IL
Sale: Yes
User ID: Kedar
User Age: 25
User Gender: Male
Manufacturer: Sony
Rating: 5
Date: 10/26/2015
Review Text: This gives best user experience

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

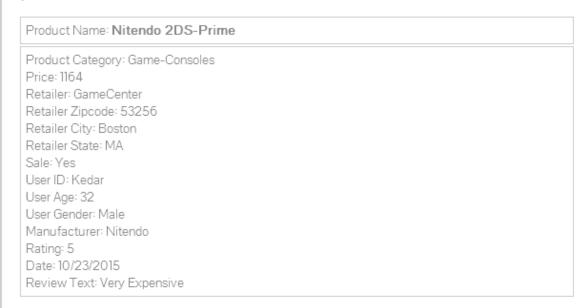


### **Checked fields**

- -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



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

### **Checked fields**

- Group By City and CLICK FIND.

# **Query Result**

City: Orlando	Reviews Found: 3	Max Price: null
Product: Fifa 15 Rating: 3 Review: Test review Price: 171.0		
Product: Nyko Controller Atta Rating: 5 Review: New Price: 15.0	achment	
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

✓ Select	Retailer City:	Chicago ▼	

#### **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

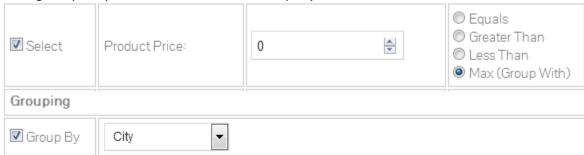
Product Name: Xbox-360

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



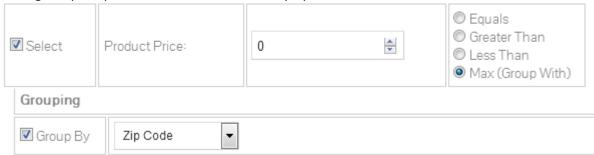
### **Checked fields**

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

# **Query Result**

City: Orlando	Reviews Found: 3	Max Price: 171.0
Product: Fifa 15 Rating: 3 Review: Test review Price: 171.0		
Product: Nyko Controller Atta Rating: 5 Review: New Price: 15.0	achment	
Product: Nyko Controller Atta Rating: 5 Review: Test test Price: 15.0	achment	
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		

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



### **Checked fields**

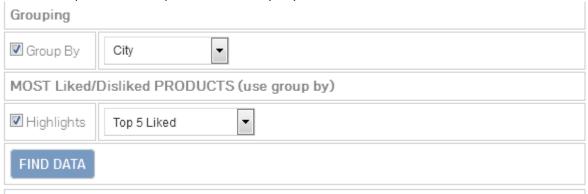
- Product price checkbox with no values and max radio box checked
- -Group by city . CLICK FIND.

### **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



### **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



### **Checked fields**

- Group by city. CLICK FIND

### **Query Result**



10. Print a list of reviews grouped by RetailerName

Grouping		
<b>☑</b> 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

<b>☑</b> Select	Review Rating:	5 🔻	Equals     Greater Than
Grouping			
☑ Group By	City		

### **Checked fields**

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

### **Query Result**



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



#### **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	
☑ Group By	City
MOST Liked/	Disliked PRODUCTS (use group by)
✓ 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 Me	edian: 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

✓ Select Review Keyword:	best	
--------------------------	------	--

### **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.