**eShoppe**

**An online shopping portal**

**Increment - 2**

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**Summary:**

“eShoppe” is a native android mobile application developed for shopping the grocery items online. Using this application, user can shop online and find the nearest markets or the stores. The user has a flexibility of searching products. On the list of searching results, user can filter the searches based on the price. On the selected item he can add to the cart. The product placed in cart can be modified or deleted. Payment Transactions are done after adding to the cart. On adding product to cart the voice will be heard of the product name added. On clicking on the markets listed in Google maps then it redirects to shop online.

**Services /API:**

For the eShoppe we have used some of the services and some API’s

We have used REST services for registering the User, Updating cart, and for the User Login.

The API’s are used for getting the data and some of other API’s to perform new feature.

**Services:**

[**http://kc-sce-cs551.kc.umkc.edu/aspnet\_client/Group4/Hackathon2/UserDetailsImpl.svc/register**](http://kc-sce-cs551.kc.umkc.edu/aspnet_client/Group4/Hackathon2/UserDetailsImpl.svc/register)

[**http://kc-sce-cs551.kc.umkc.edu/aspnet\_client/Group4/Hackathon2/UserDetailsImpl.svc/validate/%7Busername%7D/%7Bpassword%7D**](http://kc-sce-cs551.kc.umkc.edu/aspnet_client/Group4/Hackathon2/UserDetailsImpl.svc/validate/%7Busername%7D/%7Bpassword%7D)

[**http://kc-sce-cs551.kc.umkc.edu/aspnet\_client/Group4/Hackathon2/UserDetailsImpl.svc/validate/{username}/{password}**](http://www.facebook.com/l.php?u=http%3A%2F%2Fkc-sce-cs551.kc.umkc.edu%2Faspnet_client%2FGroup4%2FHackathon2%2FUserDetailsImpl.svc%2Fvalidate%2F%257Busername%257D%2F%257Bpassword%257D&h=8AQF1bBL5)

**API’s:**

<https://maps.googleapis.com/maps/api/place/textsearch/xml?query=restaurants+in+Sydney&key=AddYourOwnKeyHere>

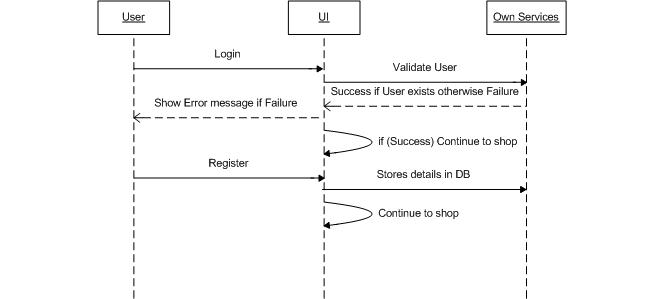
[http://www.supermarketapi.com/api.asmx/COMMERCIAL\_SearchByProductName?APIKEY=a785cac0f3&&ItemName={itemname}](http://www.supermarketapi.com/api.asmx/COMMERCIAL_SearchByProductName?APIKEY=a785cac0f3&&ItemName=%7bitemname%7d)

<https://developer.walmartlabs.com/io-docs>

<https://developer.walmartlabs.com/docs/read/Search_API>

**Services Design:**

**Sequence Diagram for Services:**

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**Architecture Diagram of a System:**



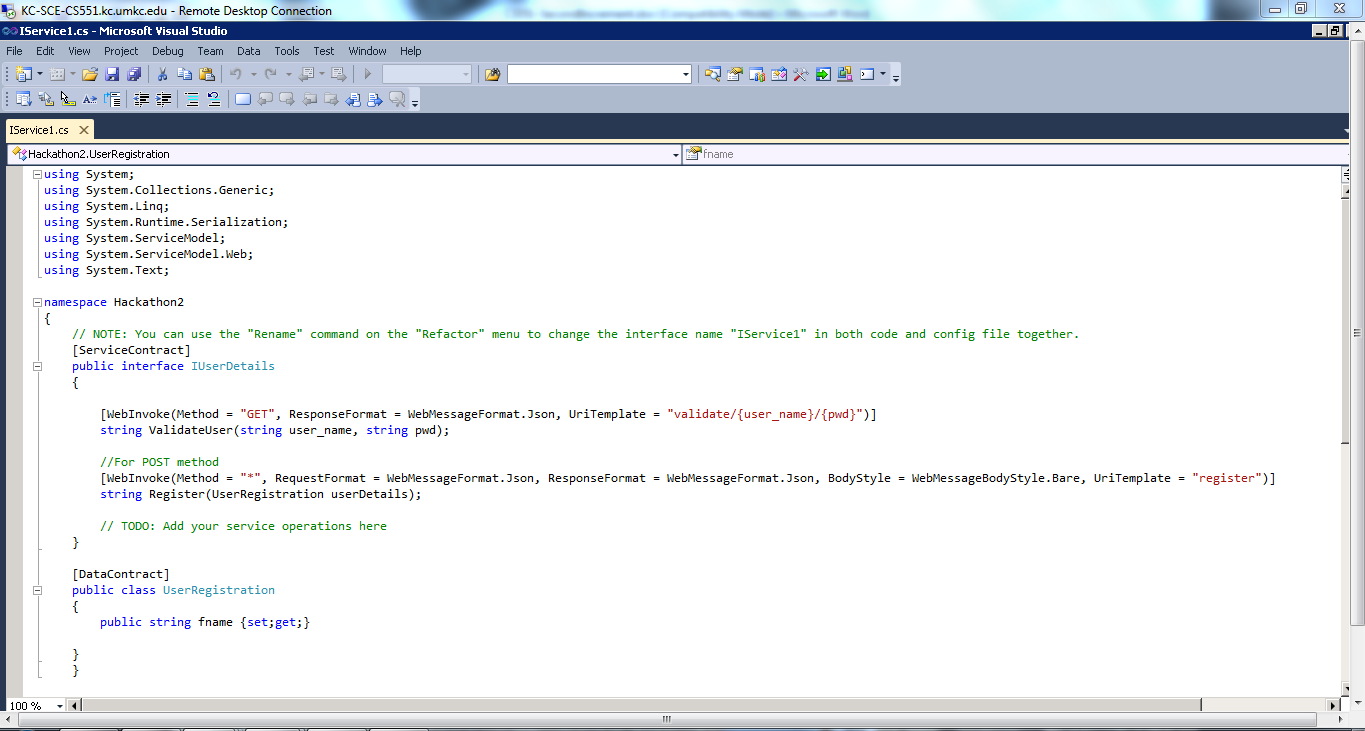
**Class Diagram:**



**Implementation:**

On continuation of eShopee application we have designed login and registration pages using the Rest service.

The following is the screenshot showing the code in creating rest services



This application has two users the registered user and the guest user. The guest user can just search the products of online shopping. If he needs to buy the products he needs to be registered.

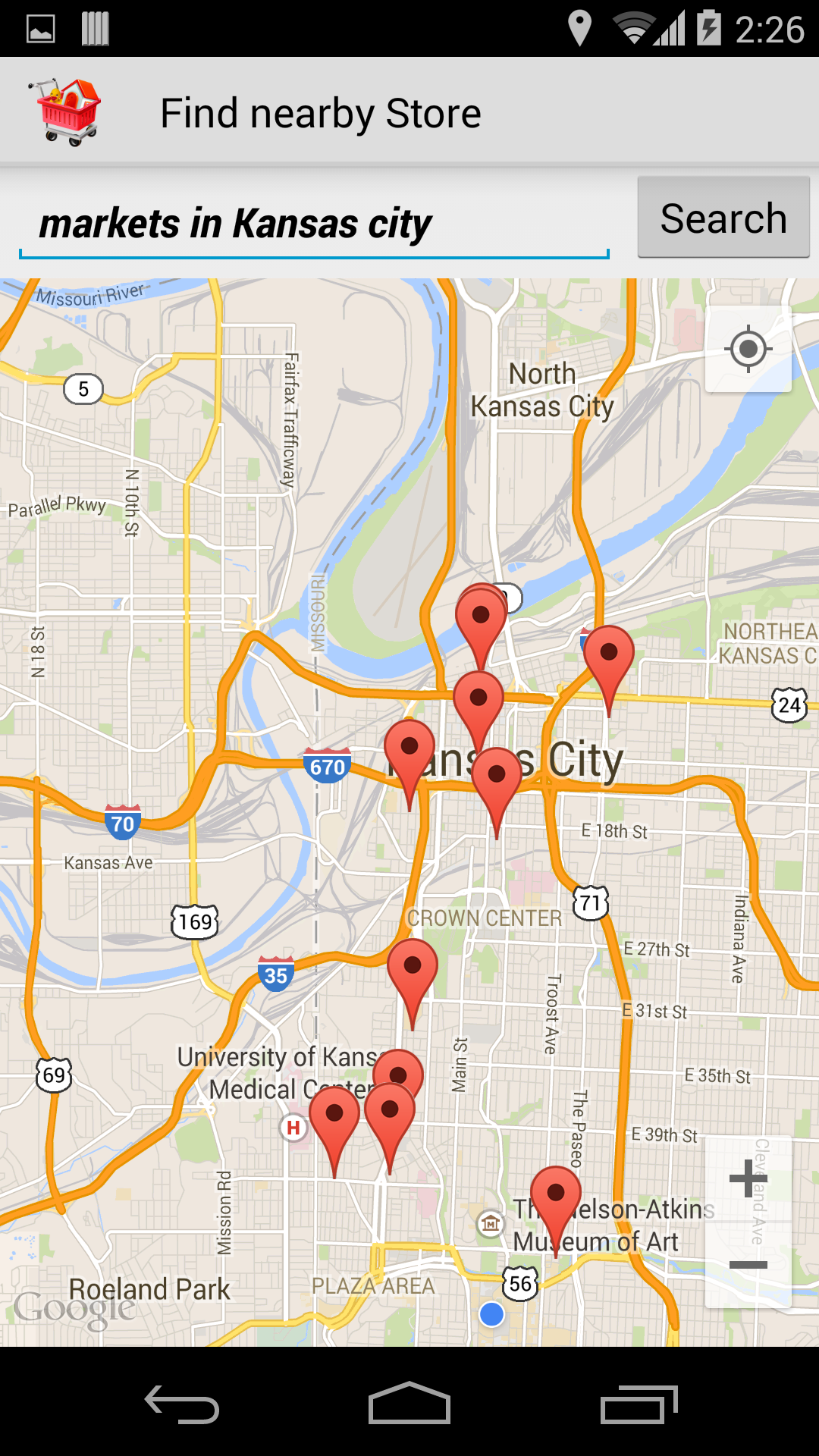
Once the user gets logged then he gets the Google places page with the search bar. The user can search the nearby stores or the stores anywhere. Then the results get displayed showing the Indicator of which have been searched. On clicking the Indicator then it redirects to the Online shopping portal.

The below screen shows the Google places page with search:



The user enters the query to which stores he need to see. On entering and clicking search button the screen gets displayed with the results showing on the map and with the indicator.

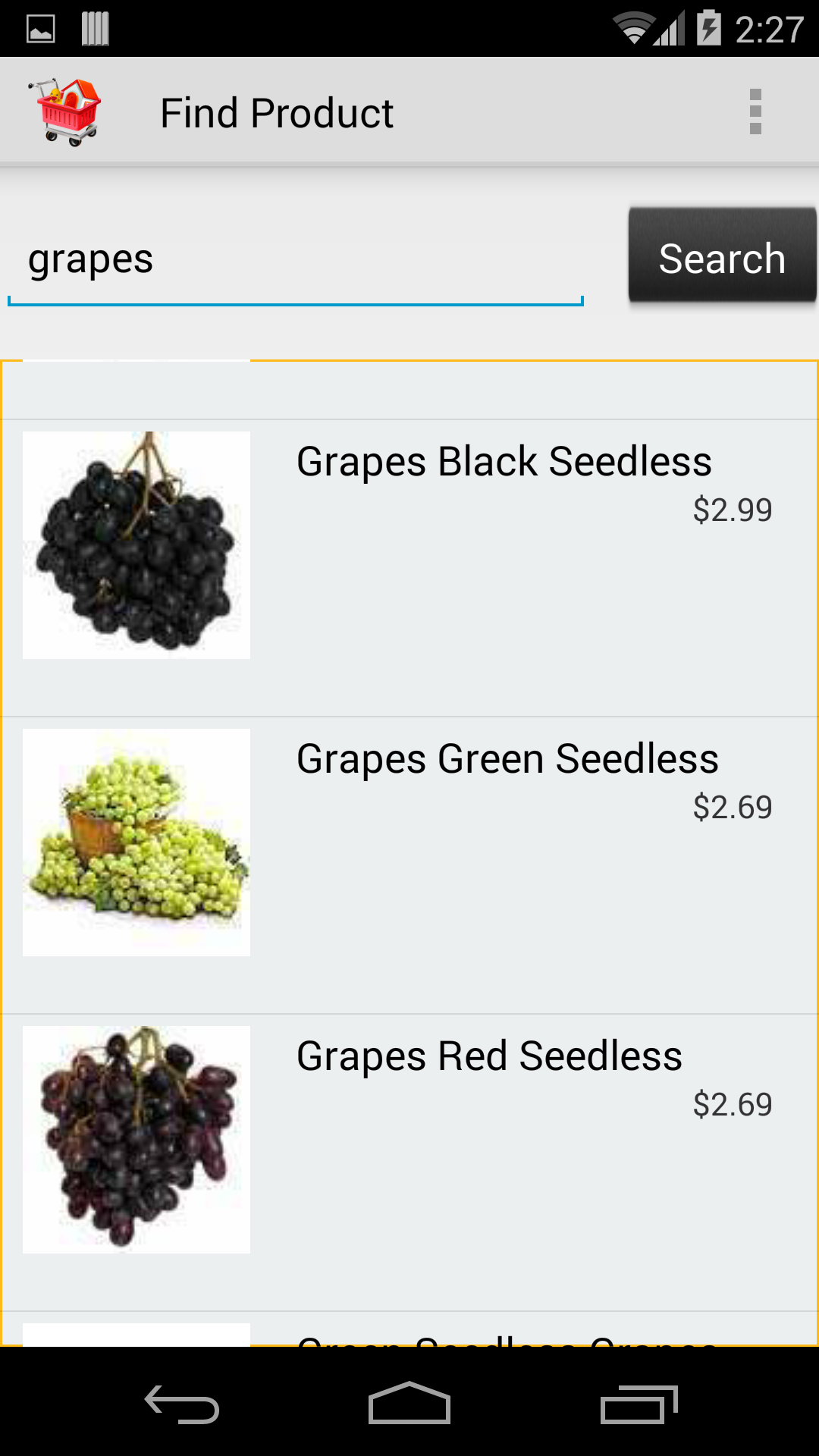
The below screen shows the results of search query in the Maps:



On clicking the Indicator showing the places in the map it gets redirected to the online shopping.

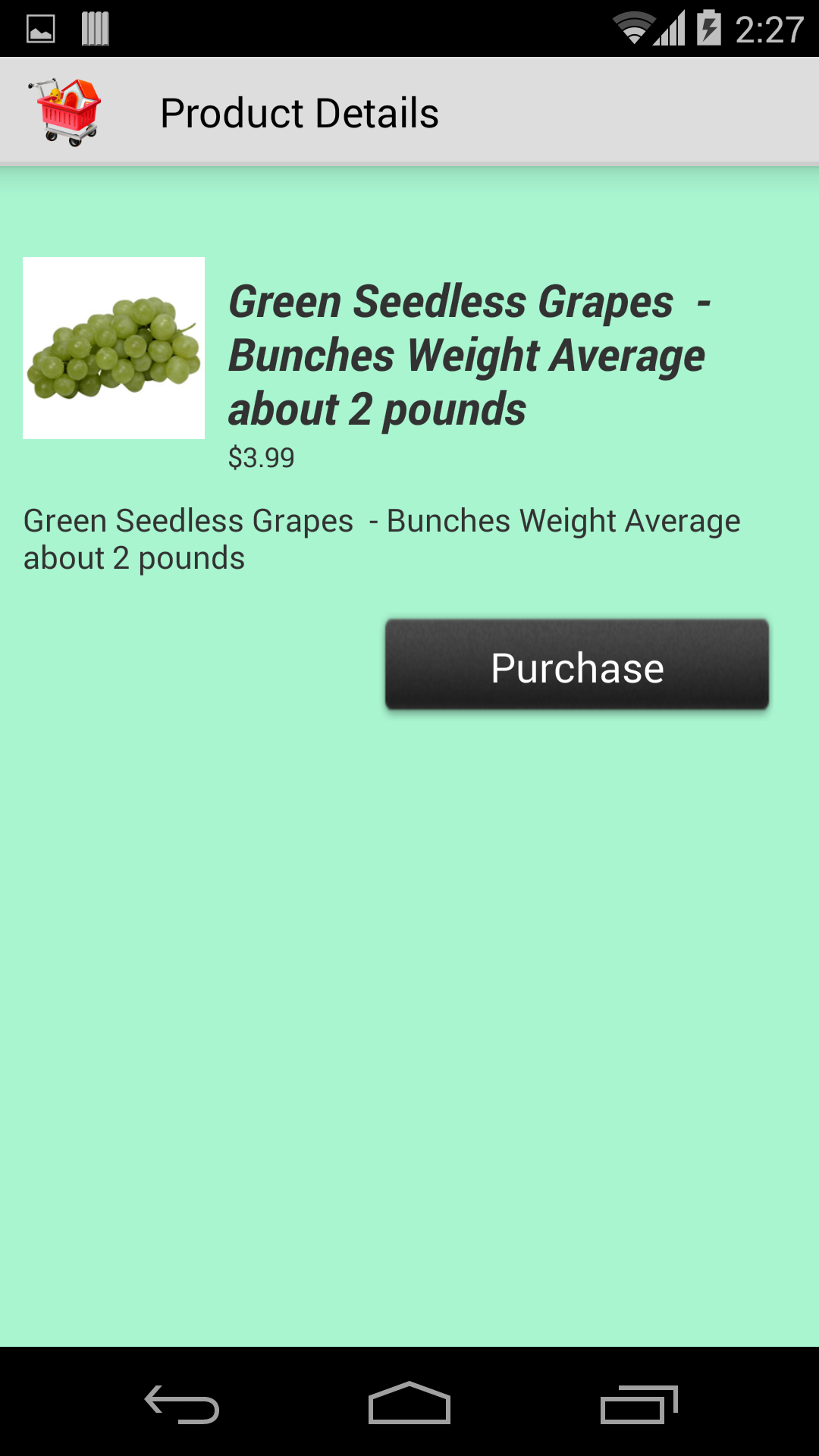
The online shopping uses the Walmart and super market API. They both give the result based on the query. The Walmart is having the Json Data and the supermarket is having the xml data. For xml data we are writing xml parser and for json json parser.

The following screen shows the results of online shopping based on the query:



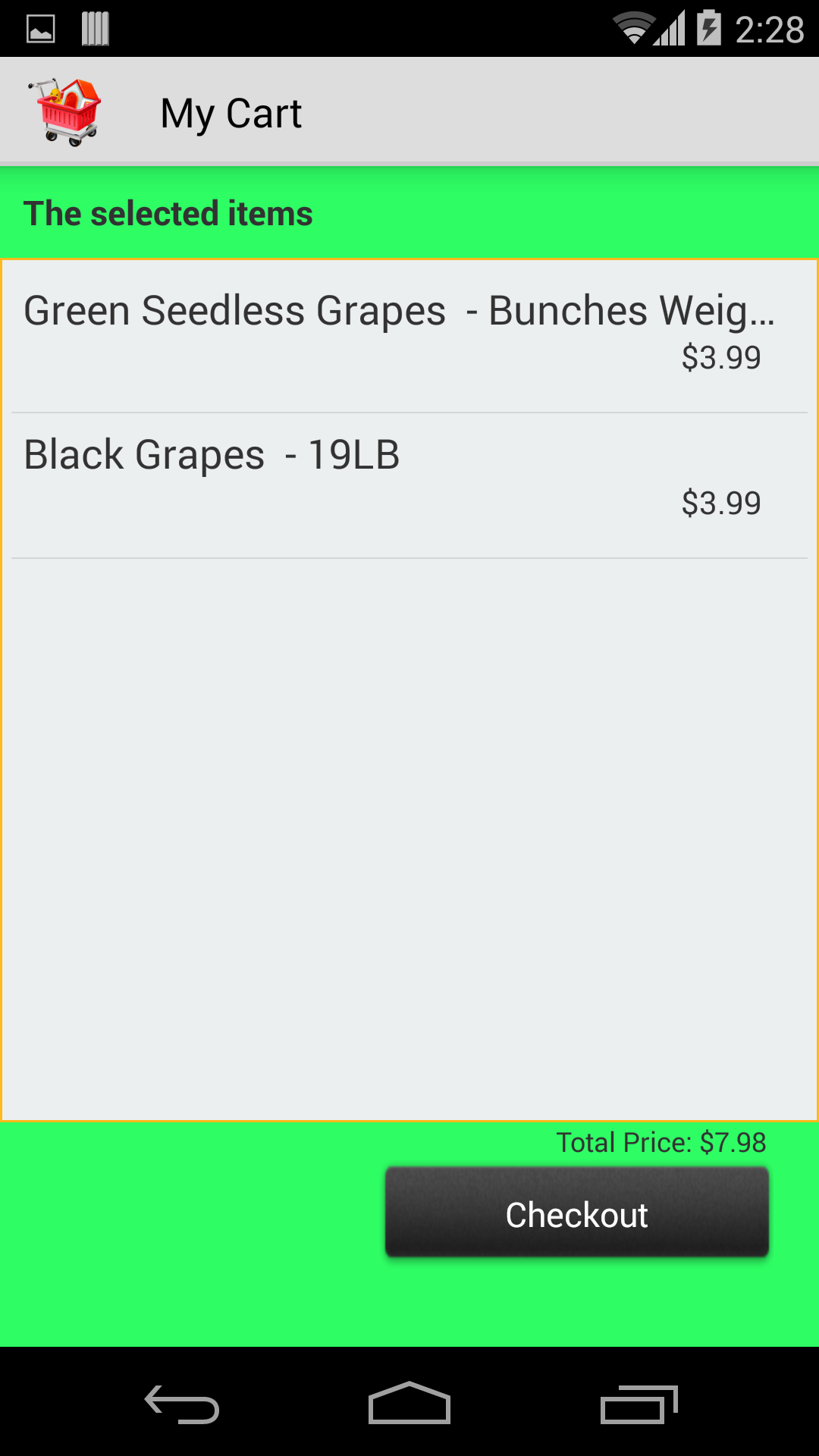
On querying it displays all the results. Then the user selects the item he needs to buy. On selecting the item we hear some voice saying you clicked item. Then the user can clearly know what he has chosen to buy. Then he will be directed to other screen which shows the detailed description of the product and the price.

The below screen shows the detailed description of product and asking for the purchase:



On selecting the proceed button then the product will be saved in the cart and redirects to the cart page. It shows all the products which are placed in the cart.

The below screen shows the cart :



It calculates the each product price in the cart and displays the total amount. From here the user can done the payment or he can do later by clicking checkout. The products in the cart we have added will not get deleted until we delete if we have not yet bought the product.

**Project Management:**

The tasks of the project and the assignment of work to each is distributed equally and show in below scrumdo url

<https://www.scrumdo.com/account/login/?next=/projects/project/ehopiee-web-and-mobile-application-for-e-shop/iteration/111956/board>

The work has been equally distributed between the four members of the data with two members dealing with API Collection, Parser Implementation and two members dealing with GUI design and Database Connection.

REST Services and UI Design: Ponnam BalaKrishna, Kommineni Shiva Shankar

Web Services and Database Connections: Ramesh Kuthala, Sirisha Valluri

**Second Increment:**

* Performing The Billing Operations- Ramesh Kuthala
* Google maps to the stores – Kommineni Shiva Shankar
* Showing the Cart History – Sirisha Valluri
* Visual designs of selecting product –Ponnam BalaKrishna
* Maintaining the logs in Database- Ponnam BalaKrishna
* Web application development– Sirisha Valluri

All the stories with users and the time will be updated in the scrum do for the third phase increment also.