**eShoppe**

**An online shopping portal**

**Increment - 3**

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**Summary:**

“eShoppe” is a online shopping portal. It is an open source native android mobile application for purchasing the products online. Using an eShoppe application, user can do shopping online and can also find the addresses of nearest stores using maps. For using this application user needs to get registered and then login with his credentials. For shopping online user can search the products where many items are displayed based on search and on selecting the particular product we can see the detailed description. And from this application we can also view the content of product from actual website. The user can add the product to the cart, and after adding product he can also delete it or he can give the shipping address and payment details for buying the product.

**Services /API:**

In the Development of this eShoppe application we have used some of our own services and some of the other public API services. In this application we used REST POST and GET services for user registration, Login and changing the password.

The Public API we have used is to get data of the product or the information and after parsing it is displayed to the user interface with proper format. Our own services are which we have created to access those services from anywhere making it global.

**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>

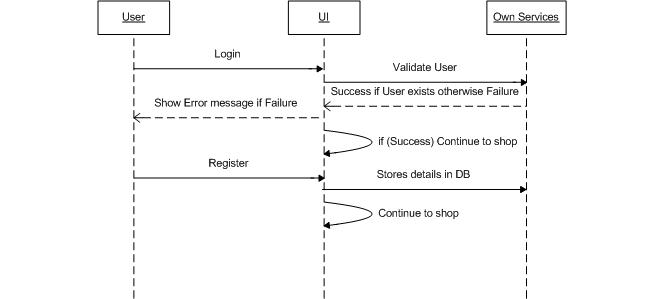
[http://www.supermarketapi.com/api.asmx/COMMERCIAL\_SearchByProductName?APIKEY=a785cac0f3&&ItemName={itemname}](http://www.supermarketapi.com/api.asmx/COMMERCIAL_SearchByProductName?APIKEY=a785cac0f3&&ItemName=%7bitemname%7d)

<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:**

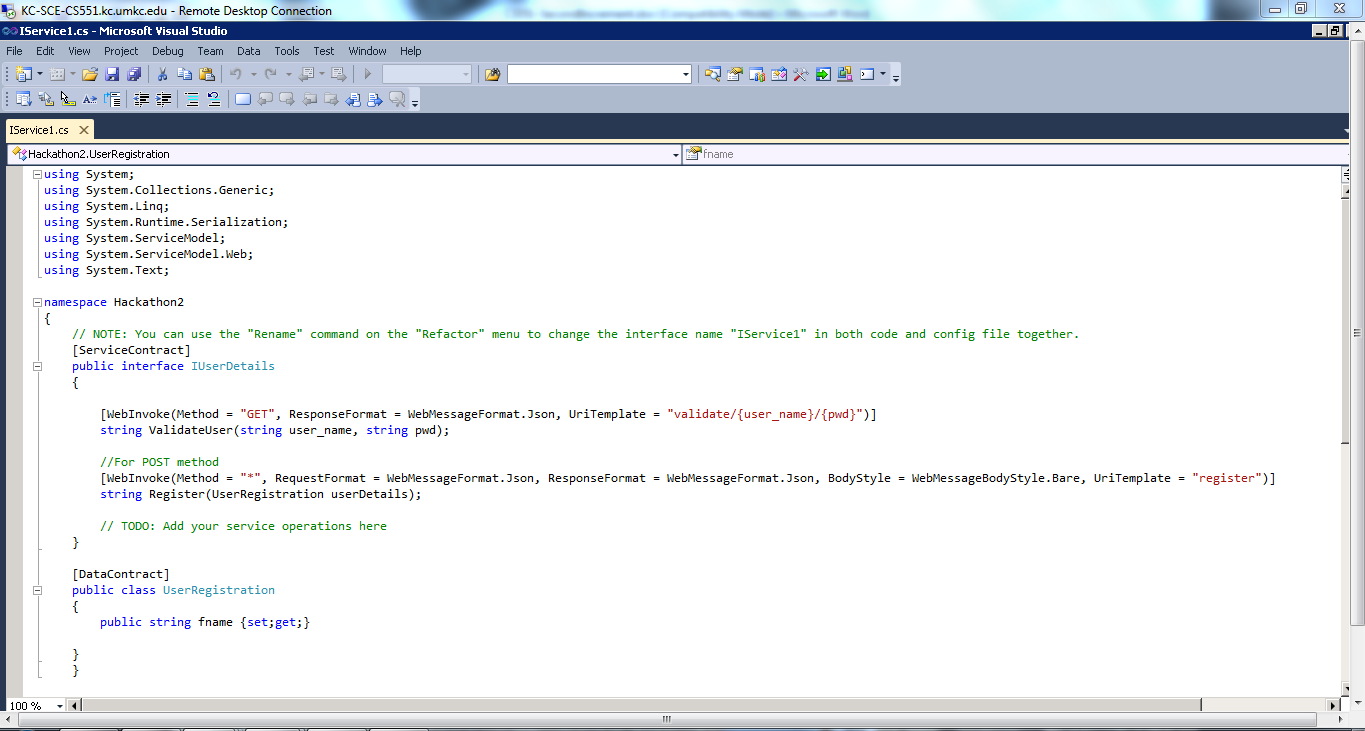


**Class Diagram:**



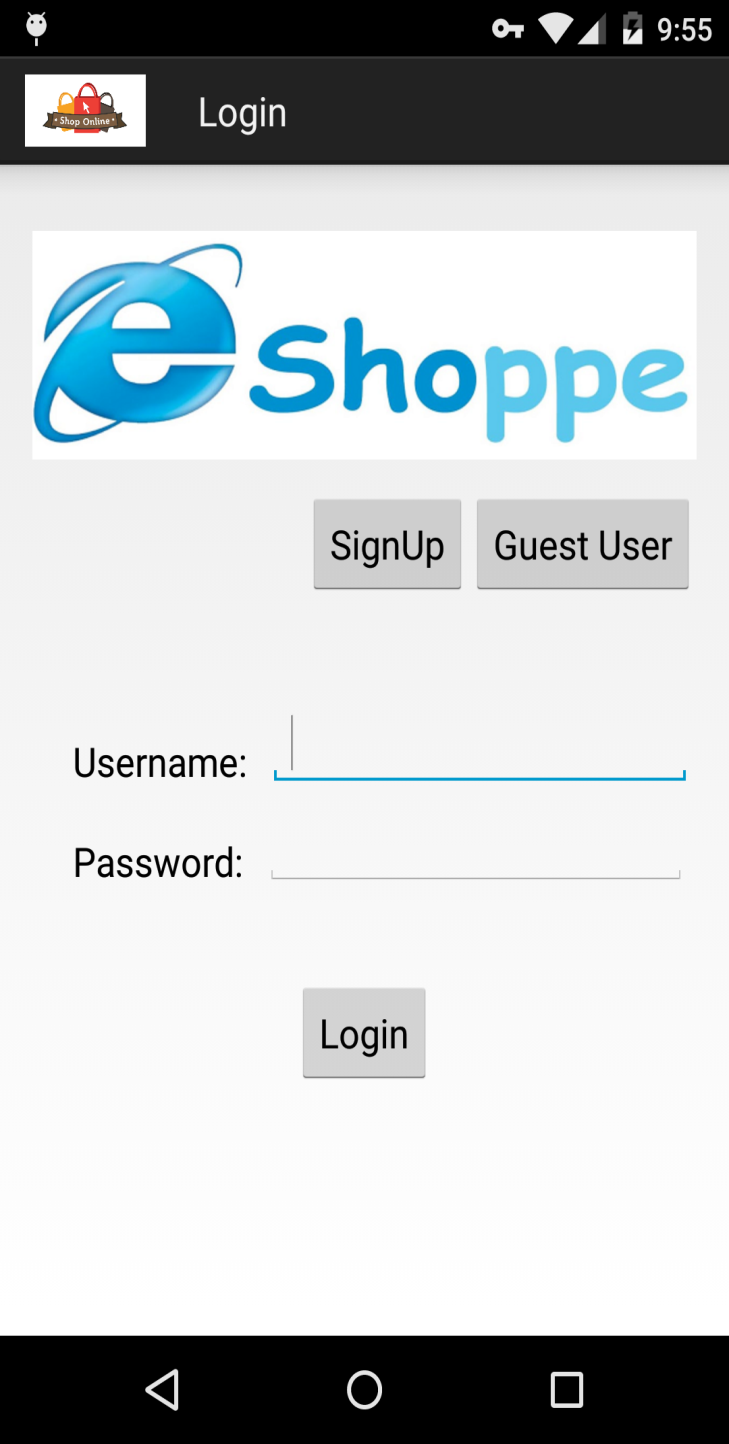
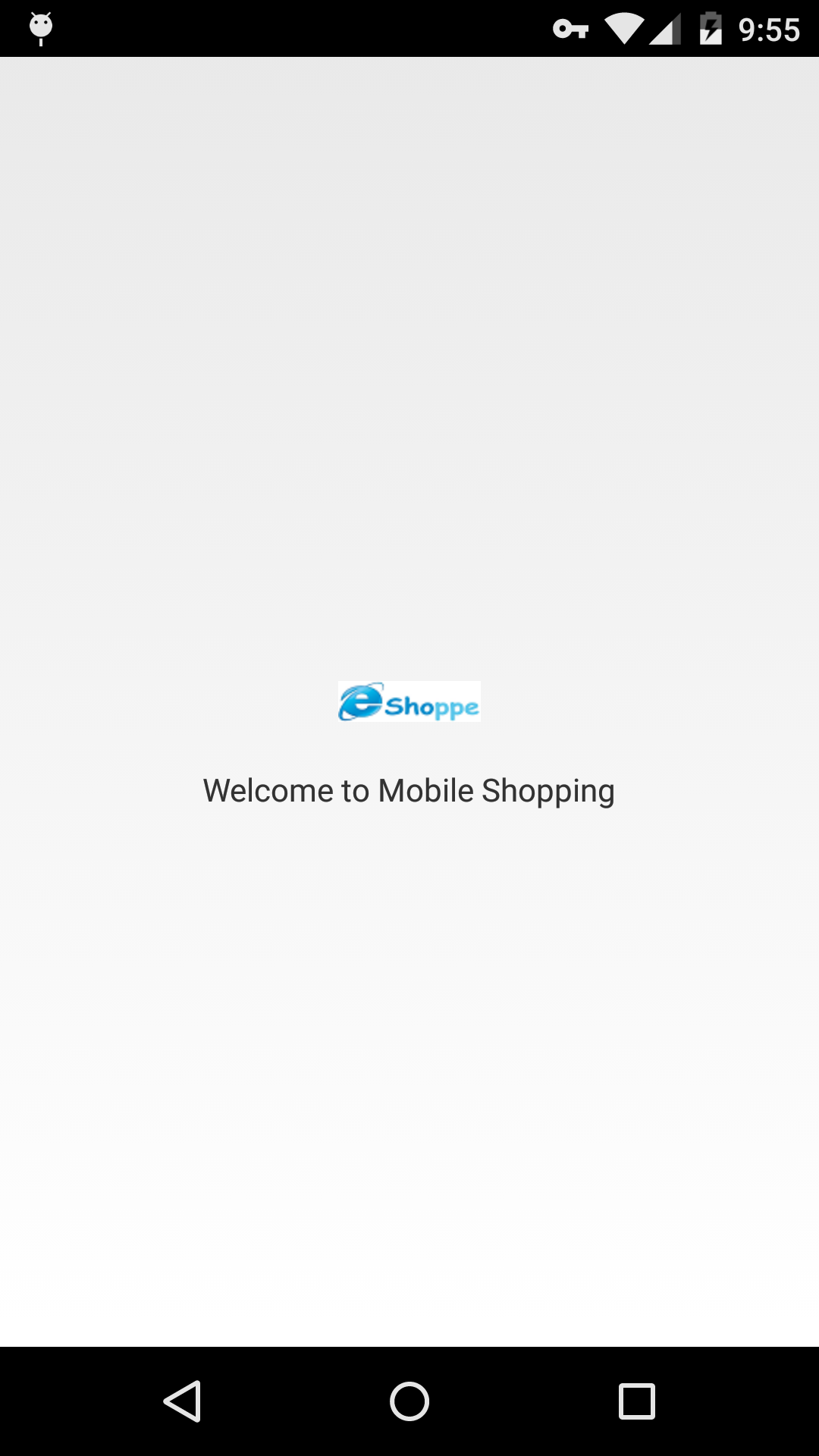
**Implementation:**

The below screen shot shows the Rest Service using POST and GET for Login and Registration.



On Entering the Application of eShoppe we get the Splash screen and then on touching or waiting for few seconds it get the login screen. There the user can enter their credentials to get logged in. If he is not the registered user, then he can sign up and can access the app.

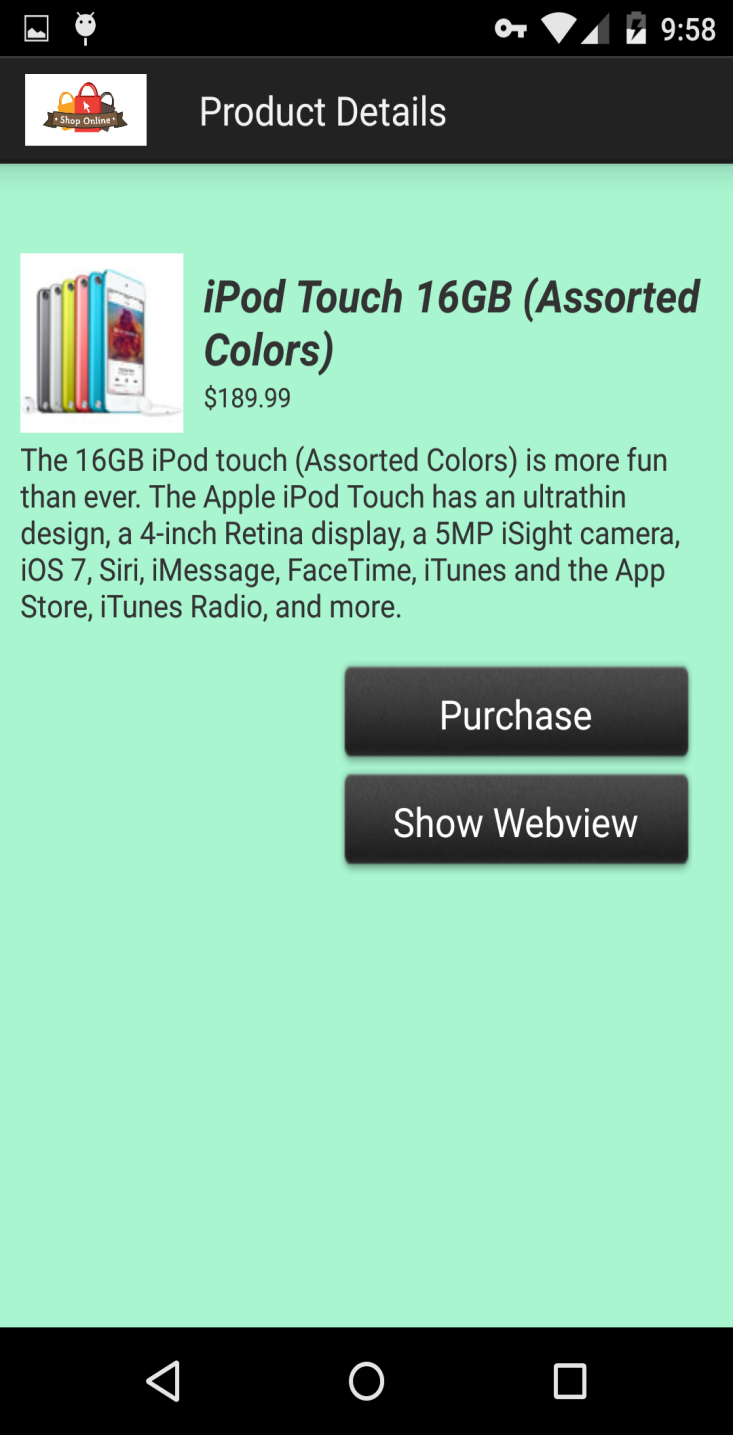
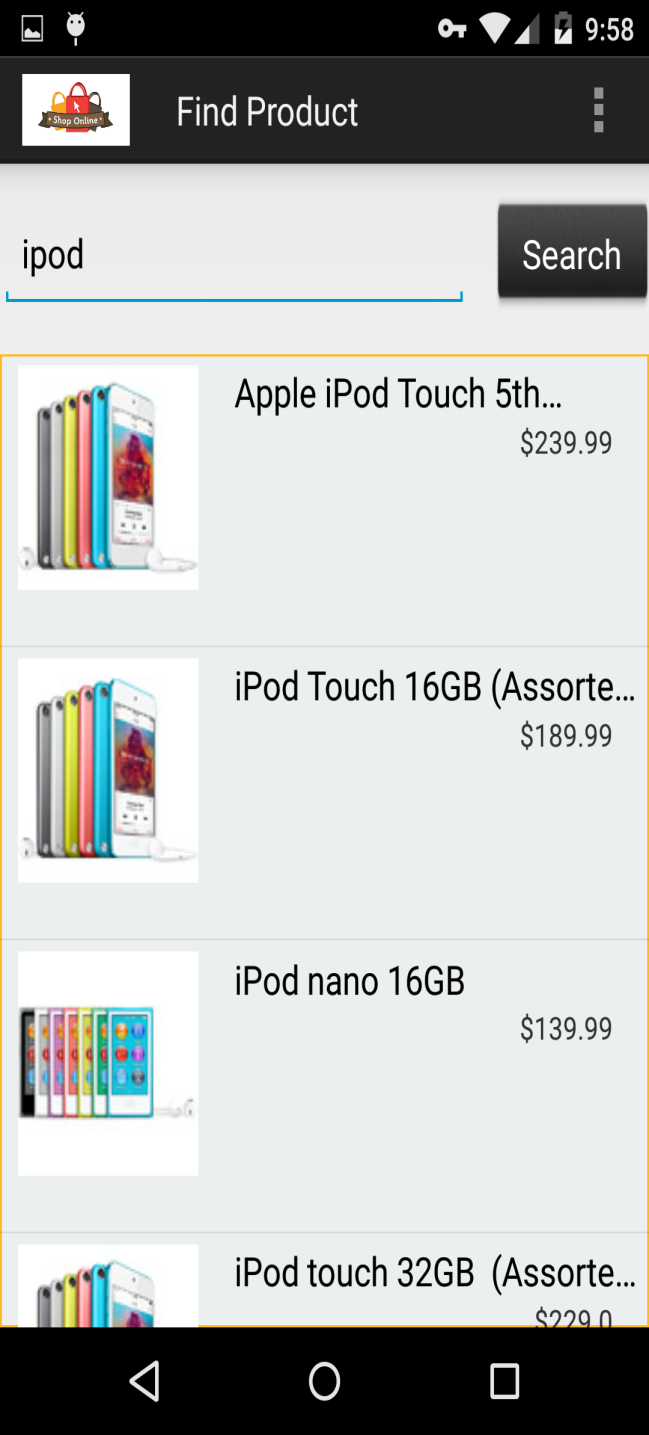
The below are the splash screen and the login screen:



On getting logged in we get the Dash board saying to find the nearest stores or to do shopping online.

On selecting shopping online we can search the required product we required. Which displays all the available products with includes that search. So that we can select the required product and can also see the description. And can also convert text to speech which is very helpful to the persons who can’t see properly.

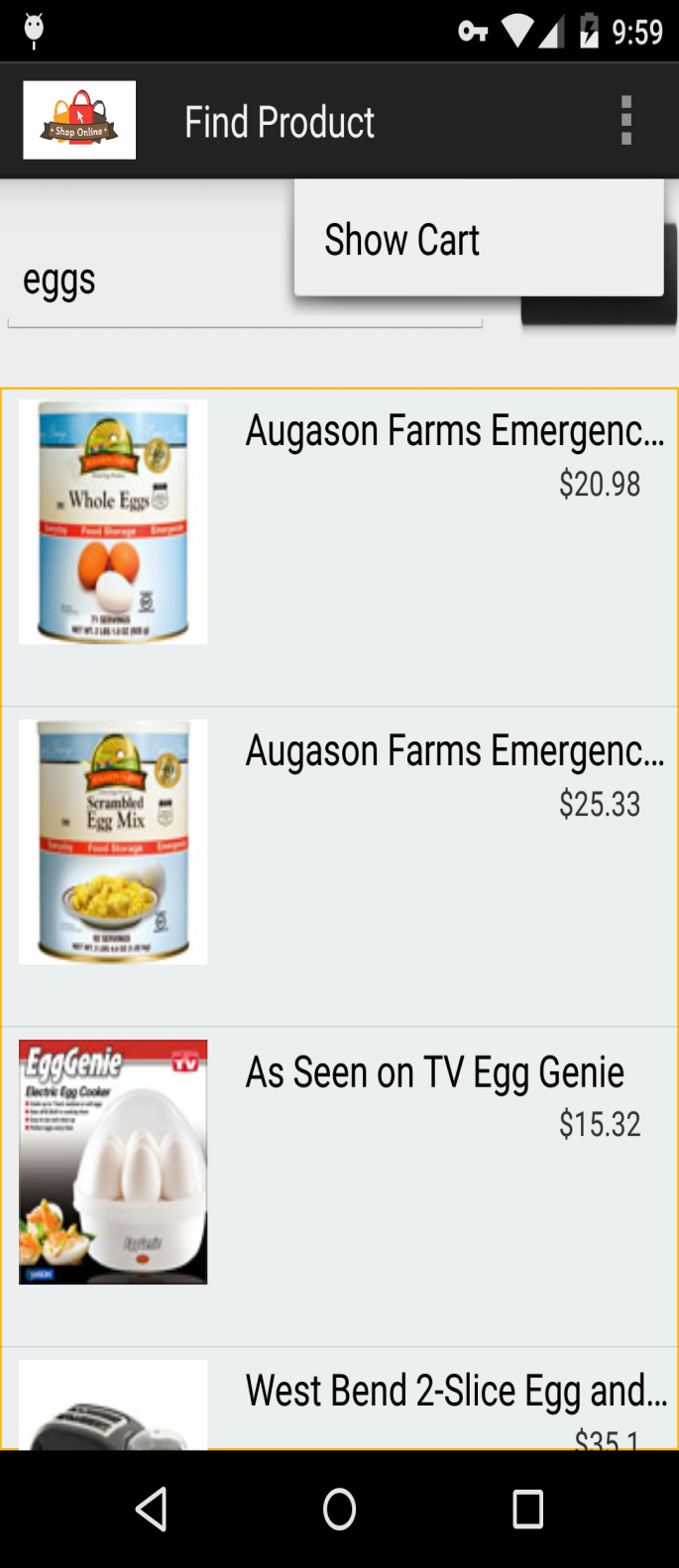
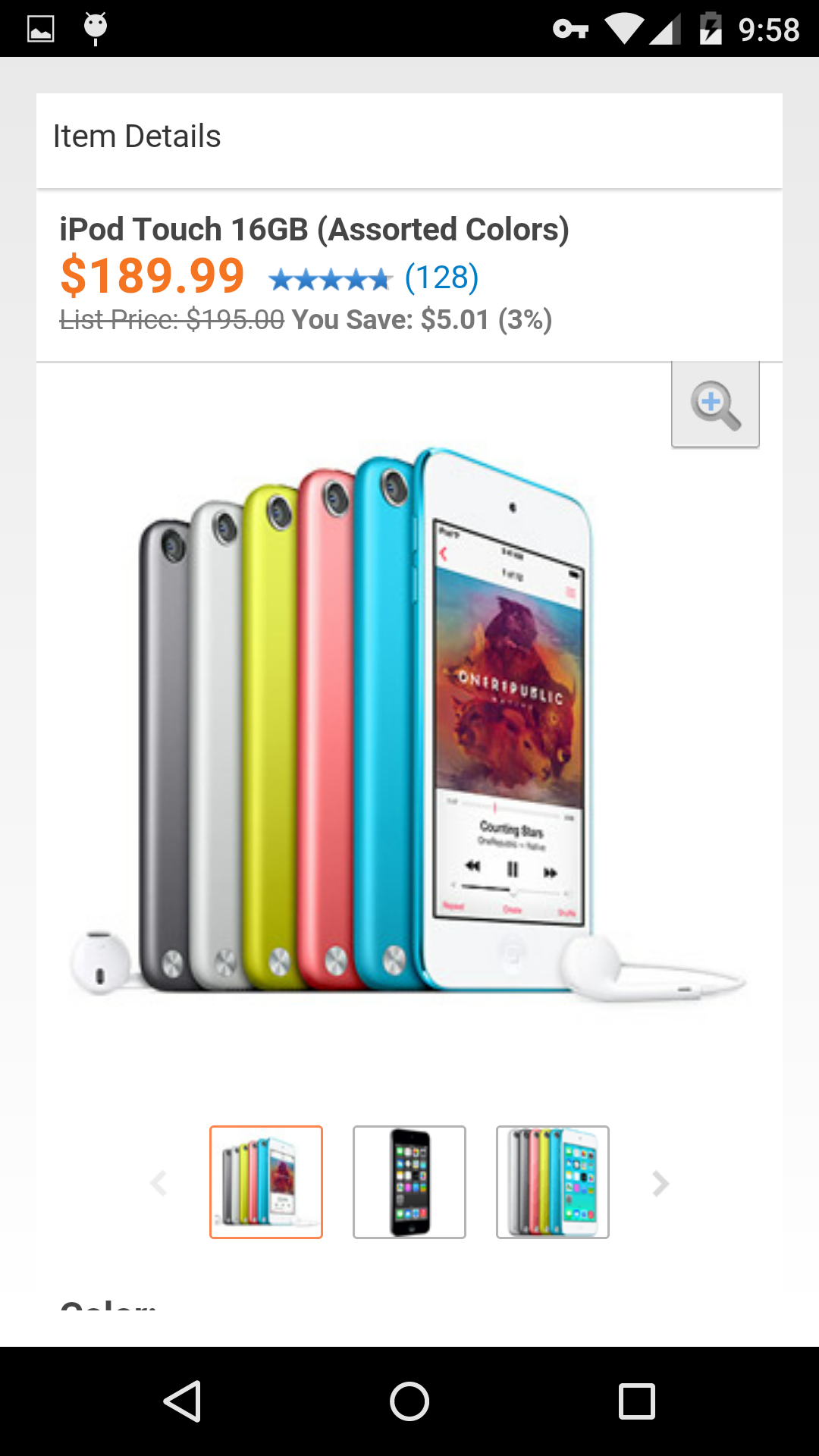
The below screen shots shows the searching and listing products and the other is description of the product.



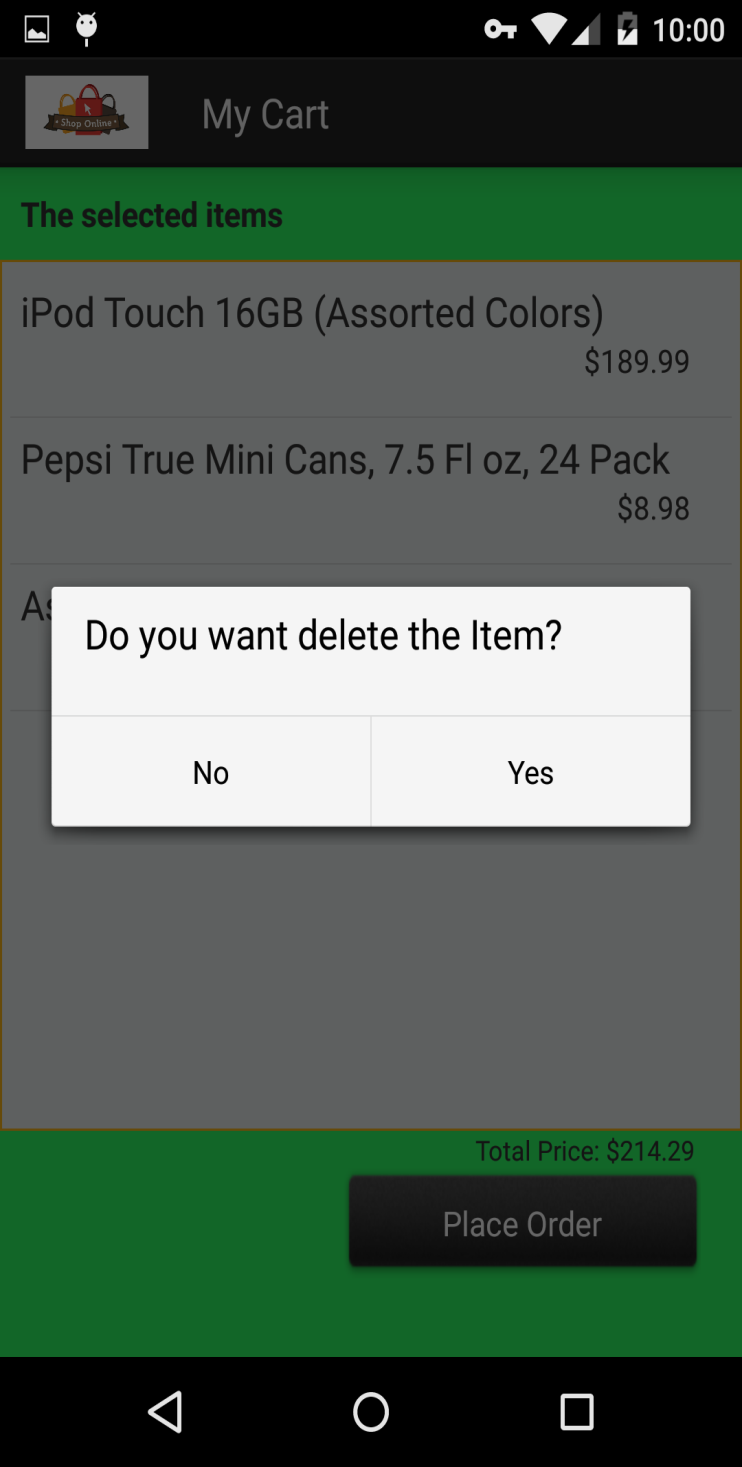
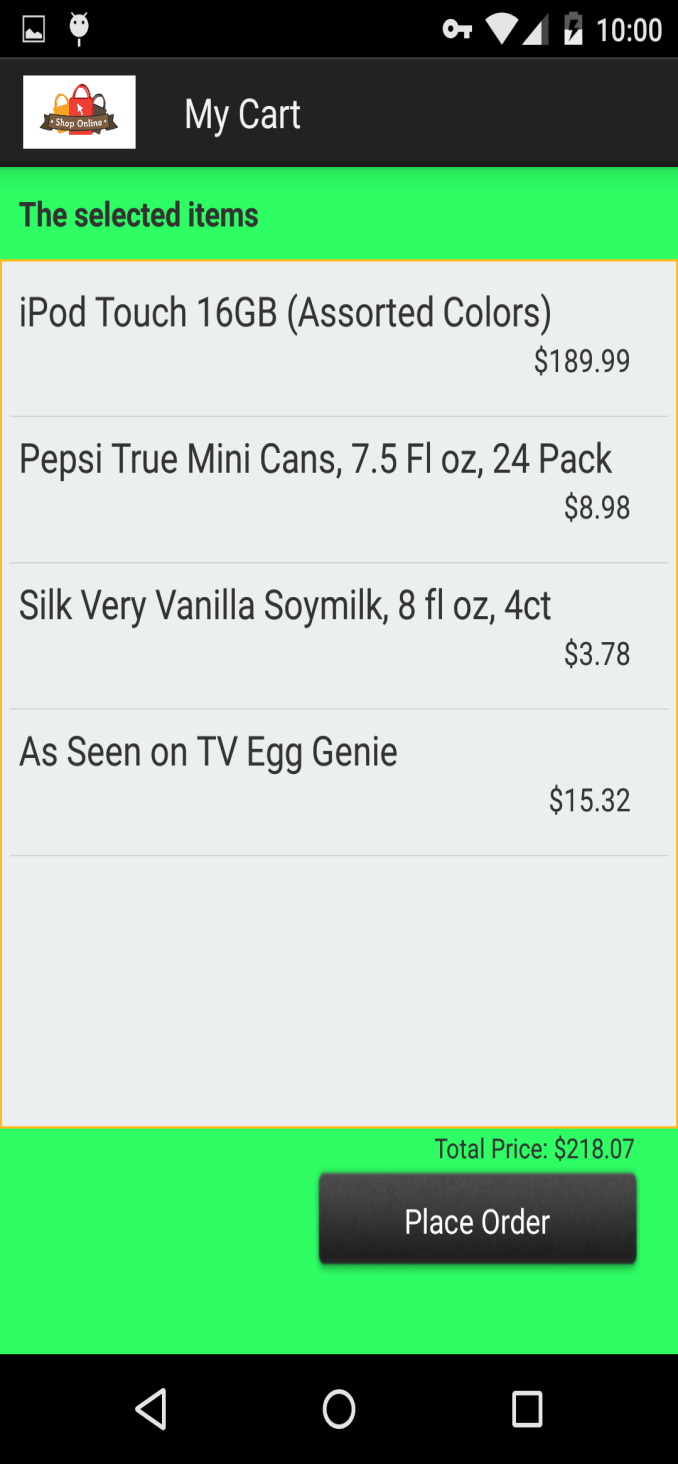
In this application we can also see the content of the product which is displayed on the actual web page. That content can be shown by clicking on the button Show Web view.

And the items or products can be added to the cart. Those products in the cart can delete or can be continued by placing the shipping address and doing the payment.

The below screen shows the web view data from actual website of product and the shopping cart information.

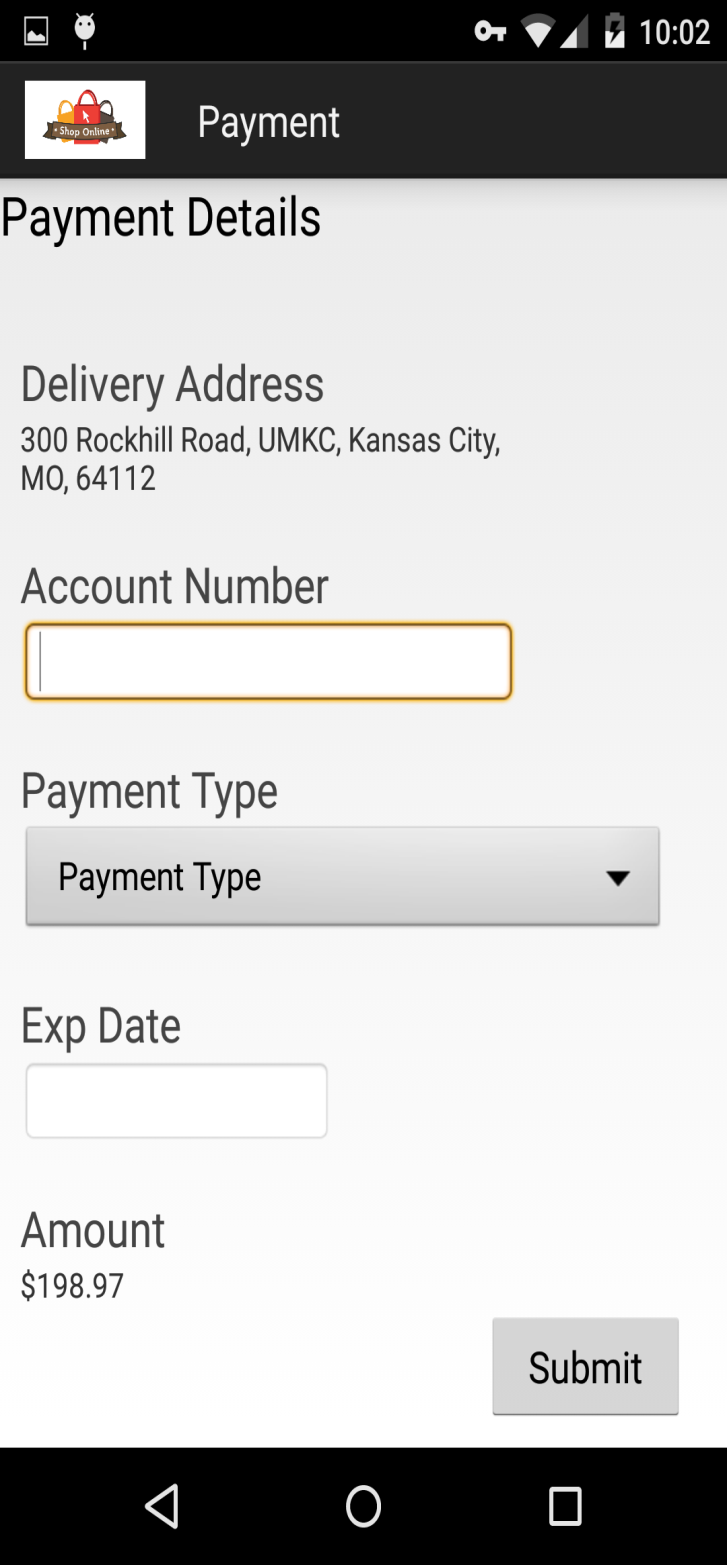
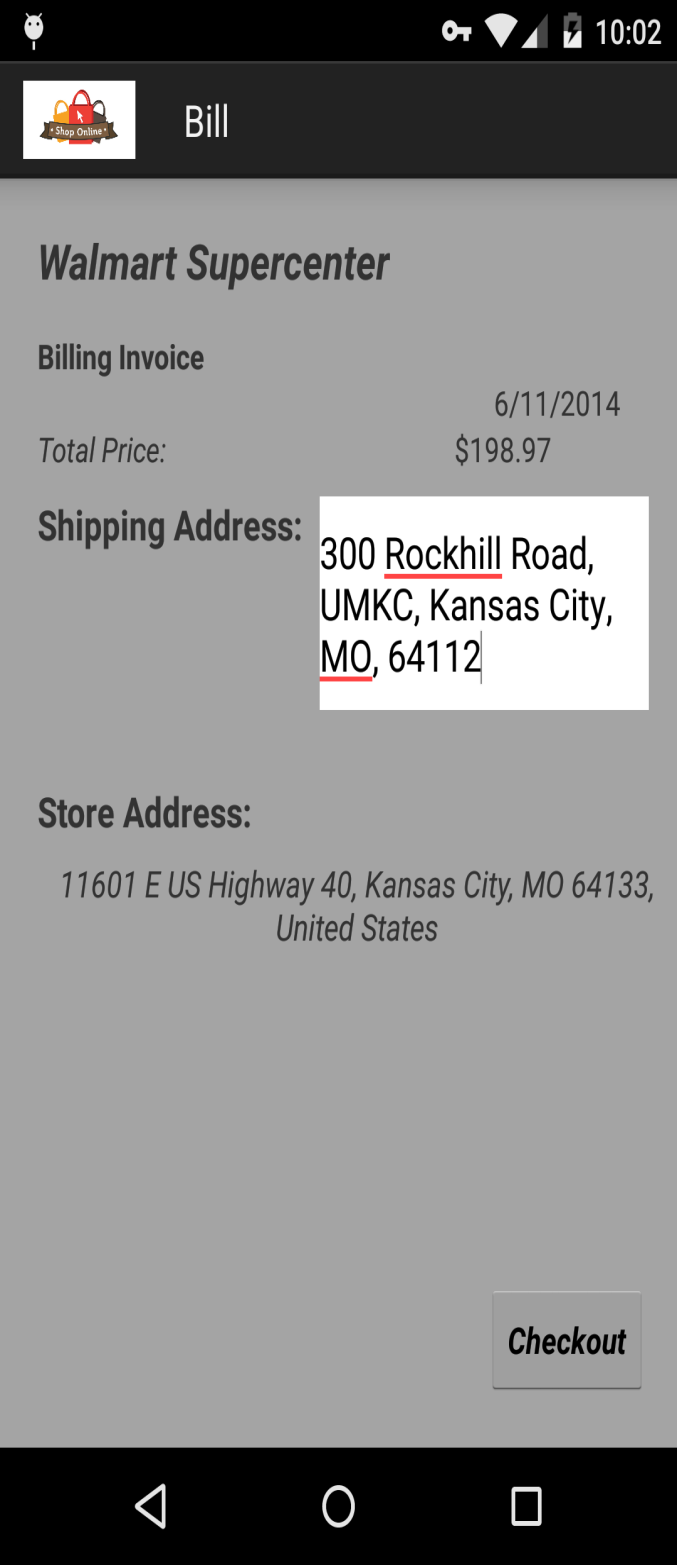


The below screen shot show the Information in the cart, and the product which is added to the cart can also be deleted.



After the product is added to the cart by clicking place order you will be redirected to a page asking for the shipping address. And in the same page it also shows the store address. On the next page it asks for the payment details, on giving the payment details it shows the thank you screen and the approximate time showing to deliver the product.

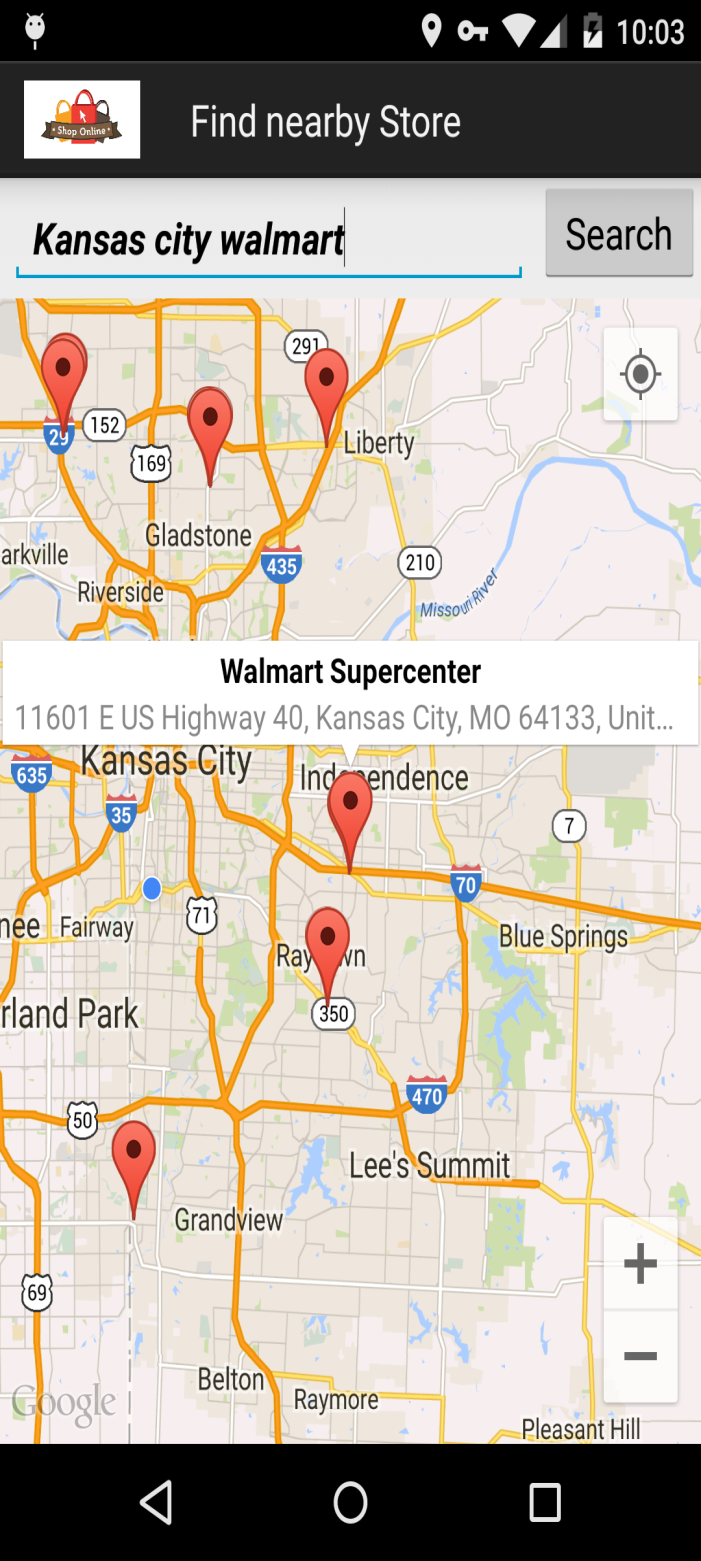
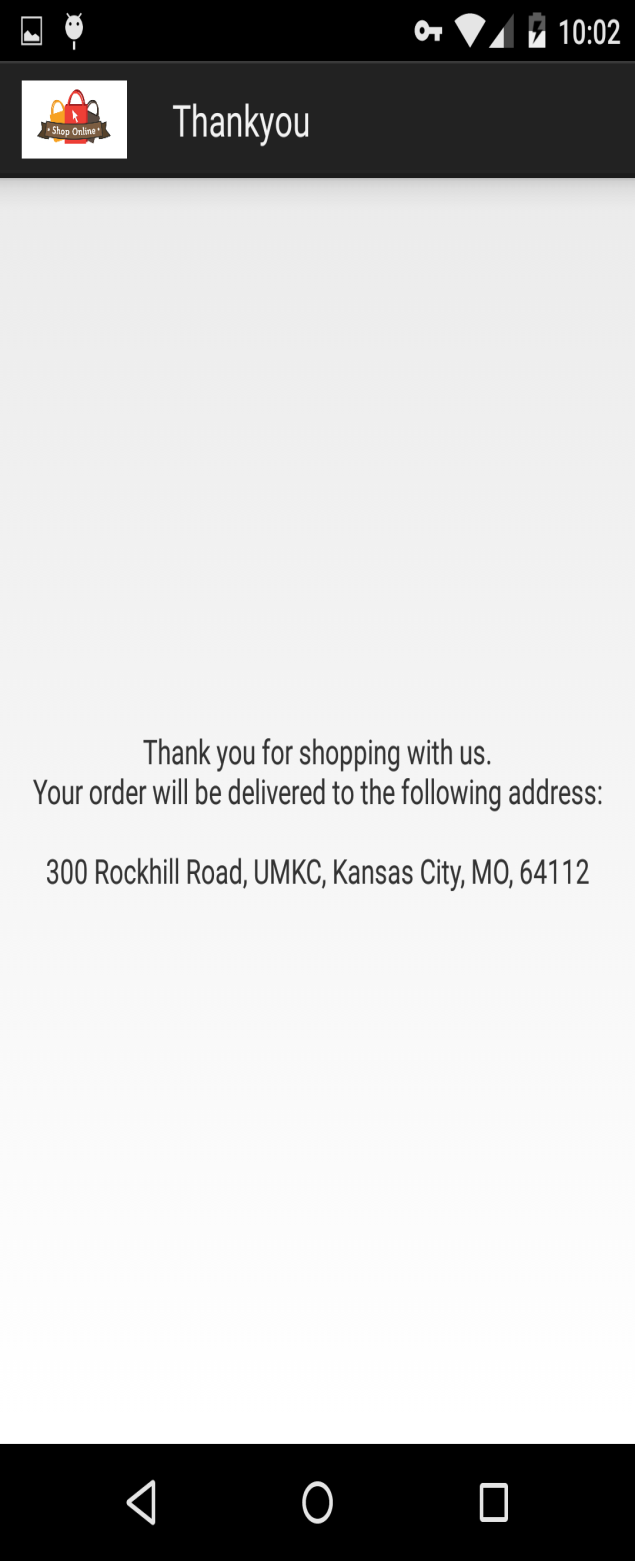
The below screen shows the billing invoice and store address asking for the shipping address on the other page it takes the payment details.



After the payment details are submitted then it says thank you and shows the shipping address to where it gets shipped.

The stores also can be found by using this app on entering the store to find with city name and searching then it shows the store location in the map

The below screen shot shows thank you screen and the finding the stores in map view:



**Project Management:**

The work of the project and each person’s task of work is distributed equally and the stories and the individual task for each person is shown in the below scrumdo link

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

**Project Group:**

* Ponnam Balakrishna**(ID: 32)**
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* Ramesh Kuthala**(ID: 19)**