East West University

Project : MarketPlace - Buy & Sell

Course Title	**:**	Mobile Application Development
Course Code	**:**	CSE489
Section	**:**	01
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Submitted To

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Project Description:

Online Marketplace provides a platform where registered user can buy and sell products or items online. The system has four type of users: Administrator, Buyer, Seller and Visitor. The Seller can upload any item on the site in order to sell it. The Administrator is responsible for the authentication of the user and the product both. Every component on the website is under the control of the Administrator. The Administrator has full authority to insert, update or delete any user or product from the website. It contains online payment service which enables trade on only local. Marketplace is developed for complete selling and buying of any product uploaded on the site. Every type of user having authenticated Email and password can access this system.

The features we have used for our application :

- **Sign up as buyer or Seller**
- **Add or delete product**
- **buy or sell a product**
- **Sold or sold out a product**
- **Search by title and price**
- **Update the profile info and profile picture**
- **Update data.**

Objective

The purpose of Marketplace system is to take advantage of the Internet and World Wide Web to improve the way private individuals and companies buy and sell the items. The overarching goal of the MARKETPLACE project is to design, create and maintain a sustainable web-based platform providing a central access point to all needed tangible and intangible modeling components and making them available to the entire materials modeling community. These include activities on databases, modeling, integrated open simulation platforms, and translation and knowledge services.

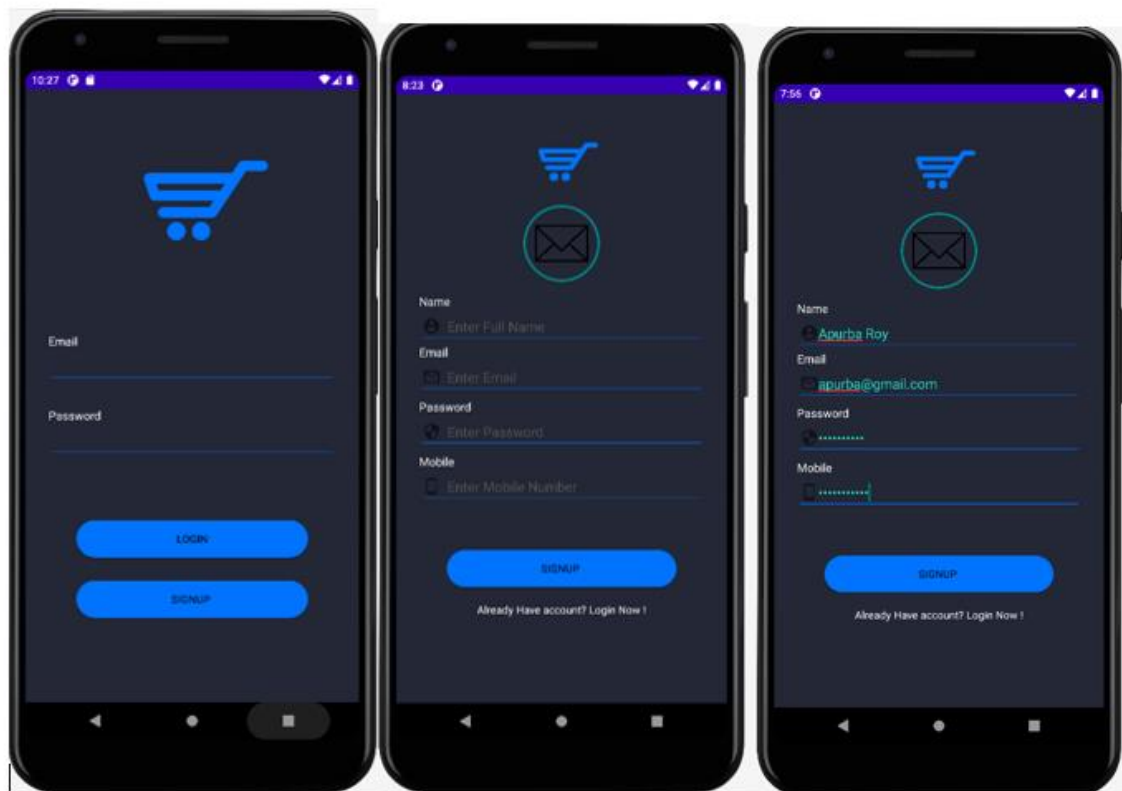**The goal of our project :**

- **Provide the buyers with huge amount of categories**
- **Easy search of items they want to buy.**
- **Makes buying convenient by allowing to buy items anywhere and anytime.**
- **Provides sellers with a huge customer base.**
- **Enable sellers to easily target and personalize their marketing**
- **Increased sales**
- **Online sales infrastructure**
- **Smooth Customer Experience**
- **Brand awareness**
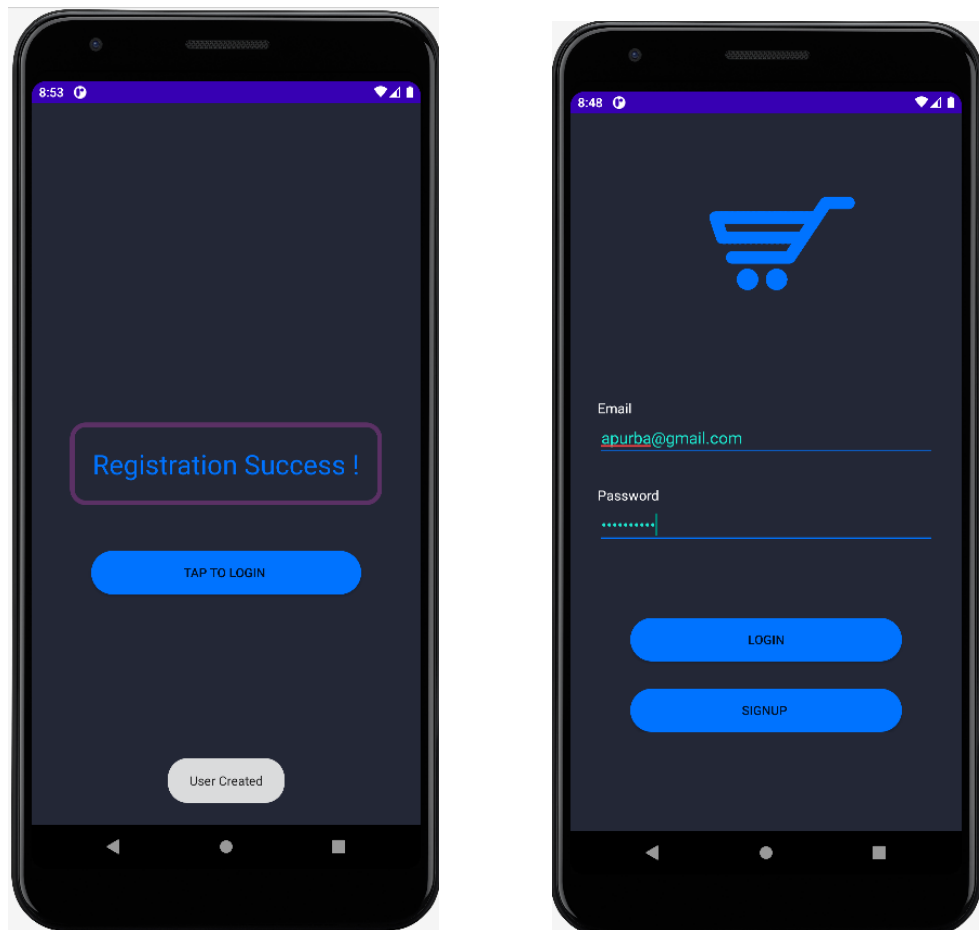
Features:

All xmls were done by Apurba Roy.

Feature 1:

This is the home Page and Signup page. At first user have to signup with their information. And all of the data store in Firebase Database.
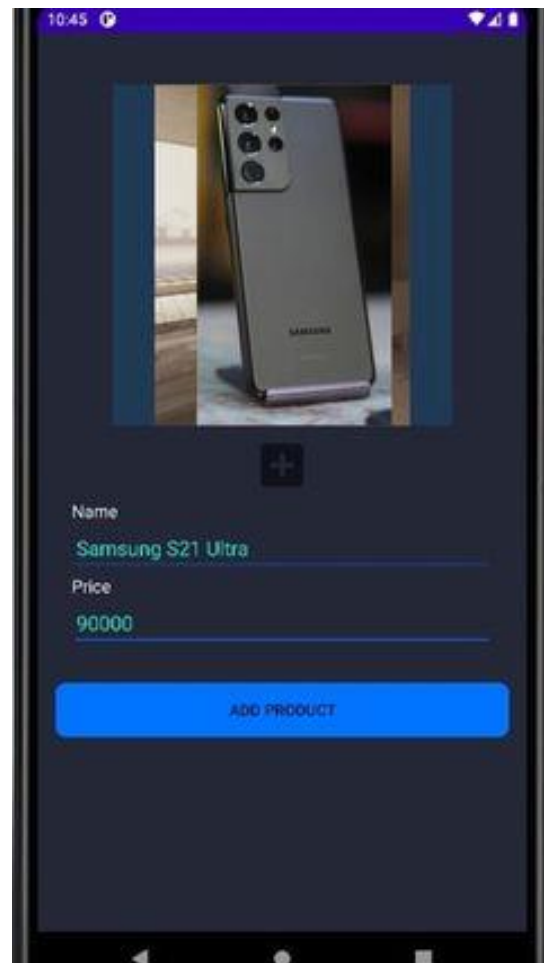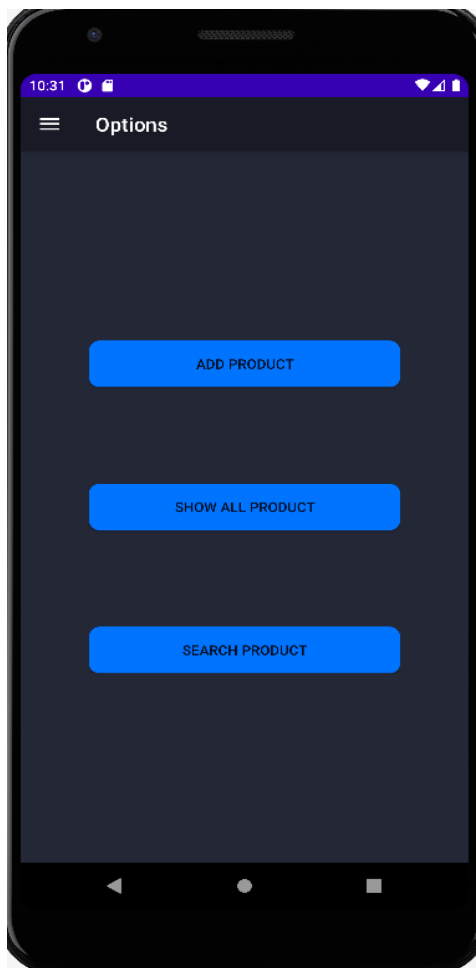
Feature 2:

After the successfully Registration user can login with user Email and Password.
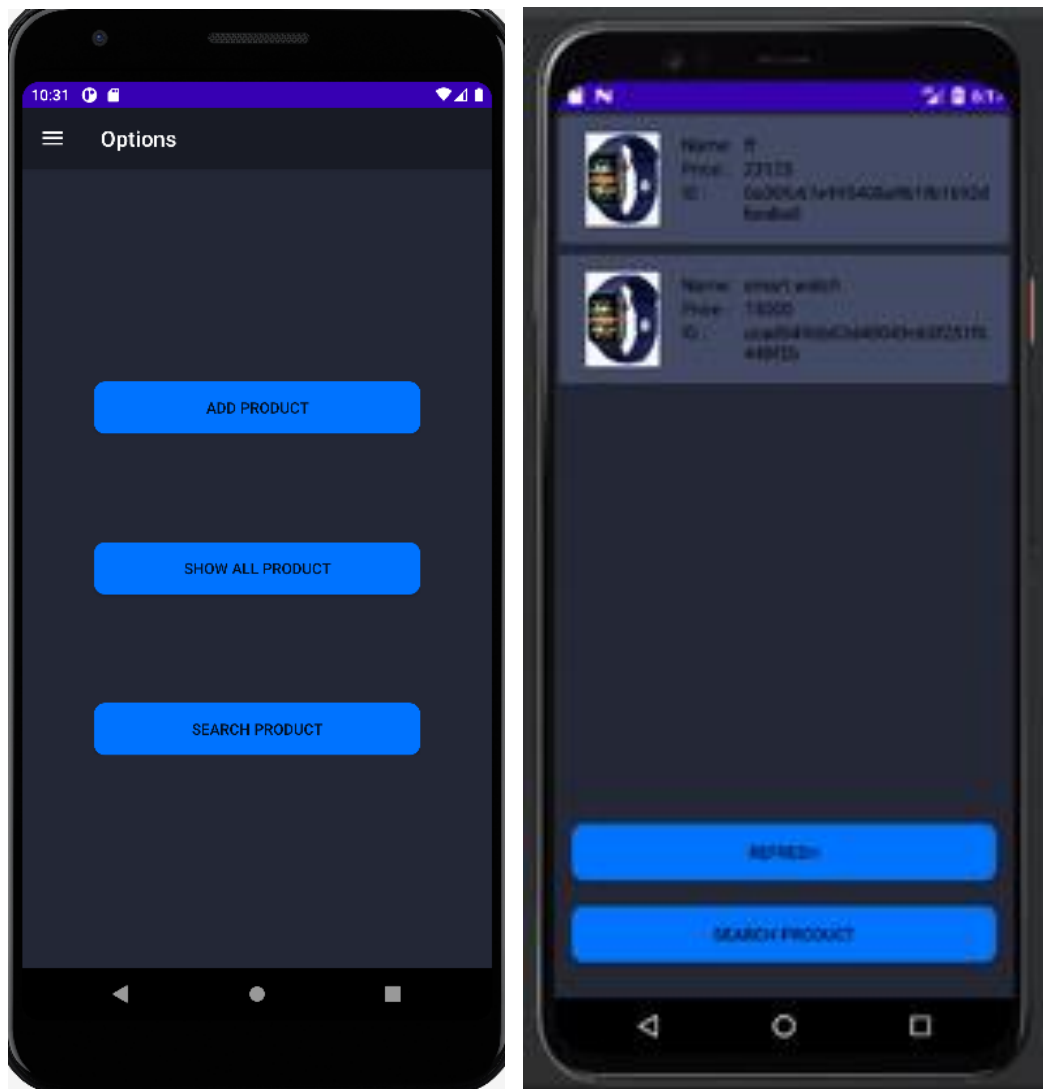
Feature 3:

This is the homepage. Here only Administrator can Add and Delete product.

Prepare by : Jamil Ahmmed Tushar

Feature 4:

In search option user can find their product and search the product which one they want to purchase.

Prepare by : Jamil Ahmmed Tushar

Challenges:

- Had to learn Firebase extensively.
- Had to learn on adding Attractive UI
- Keep it simple and user friendly
- Focus on first time experience

Opportunities:

- Recycle products
- Improve customer Engagement
- Provide more value to your customers.
- Connect with your customer more fast and easy.
- Customer can choose their product depend on their money
- Add can be presented
- We can promote add with money
- Marketplace has lots of effective ways to generate revenue.

Future Improvement:

- Online payment like bkash, nagad.
- Add google map Api.
- In app chatting feature
- Assure Security and Trustworthiness

Conclusion :

In the past few years mobile app development has become a booming industry. Currently, it is estimated that there are 2.3 million mobile app developers who are devoted to keeping up with the industry demand.

In fact, according to Apple, in 2013 1.25 million apps were registered in the Apple app store and accounted for 50 billion downloads and $5 billion paid to developers. With these types of industry numbers, it soon becomes clear that mobile app development is a key factor for business success.

By developing a mobile app, we will get access to almost every type of online platform. App development assists in reaching marketplaces via Blackberry, Google Play, Apple App Store, and other internet marketplaces also through social media sites. Additionally, apps hold the caliber to mail data to clients, evaluation of functions, coupon codes, and force announcements. Mobile apps help businesses reach a vast target audience and promote building an efficient app marketing strategy.

And finally CSE489 is a course on mobile application development. From this course, we learned how to create a mobile app. The goal of this course was to provide students with information on mobile application development, including an overview of the Android platform and its architecture, application building blocks, and development tools. After completing this course, we can construct a user interface and convert a design into a functional Android application using Java and XML. In this course, we will learn how to create a mobile application using Android Studio.