Department of Electrical & Computer Engineering

Final Report

Course : Junior Design Project

Course Code : Cse299

Semester : Summar2020

Project Name : "Deals with Homemade Foods and Goods"

Group : 04

Name & Id of group members :

  Smita Roy Jyoti – 1711615042   &

     Shawon Das - 1712591642

Faculty's Name: Intisar Tahmid Naheen (Itn)

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Abstract :

This is basically an android e-commerce application. Currently there is huge use of e-commerce application. Without physical appearance one can buy or sell or make transection through internet , that is e-commerce.

The name of our project is Deal With Home made goods and Foods. The project is intended where customers can select items they want to buy, add them to their carts and finally check out the cart when they are ready to purchase them. This application is basically for the students and the home maker who want to earn through online without going outside. Students and the other who want to be self independent can use this app. They can sell homemade goods and foods through this app.

This in not full time job and there is no risk of losses because they will use their free time for their little business. Students also can find tuition from this app. On the other hand the people who want to but home made products they can buy the genuine home made goods and foods from this app.

Keywords :

Admin, Sellers, Customers, login, signup, Sell_Items, Buy_Items, Add to cart, Check out, payment , Review, Home page , about , help center etc.

Introduction :

This App is like online selling and shopping apps. Now a days there are many online shopping apps, like Amazon, Aliexpress, Daraz, Evaly, shop up etc. They basically sell the branded products ,local market products and many necessary products but our main aim is to help the students and homemakers. We decided , in this app we only buy and sell home made products, foods etc.

By this app people can earn money by sell their interests and hand made products. For example : One can paint or can draw pictures well. If she/he want to sell that painting she/he can post their painted pictures photo for sell with proper price through our app and from there one can buy that product and can decorate their home. Like this someone have interest on cooking, they can make a sell post for their homemade hygienic foods, like this one can make pickle, one can make dress, one can make homemade beauty products, bags, footware, one can sell vegetables, fruits or flower seeds etc through our app. Students also can send post for being a tutor and those who need tutor they can hire them by proper requirements.

 We think this app will be very much beneficial to the general peoples, Homemakers and specially for the students and those who want to use home made products. It will also help the women who can not go outside but want to be self independent.

• Our android application is an interface between the customers and the sellers dealing with homemade products.

 • We think if we can spread our apps among the peoples it will help to reduce unemployment problem a lot.

 • By the help of this app student other people will able to self independent

• Customer will be helpful by betting genuine home made products

Related Works :

Internet business and IT (data innovation) have a positive relationship. Web based business and IT are estimated by surveying the estimation of their business, the more sure worth and trust the organization gets, the more purchasers come. The presence of client trust will affect devotion to the organization since the presence of client trust is brought about by the degree of consumer loyalty with the organization . With the presence of web based business today, it has made solace and imaginative and creative thoughts for human existence. Expanded interest in shopping is estimated by the advantages felt

by clients and the consequences of fulfillment (items and administrations) got by customers. Notwithstanding accepting there are a few factors that help internet business advancement, for example, costs, limits, and safe onveyance frameworks, it is a factor in expanding clients in online shopping[. Likewise, online deals can be utilized to direct conversations with clients, so customers are additionally engaged with item showcasing in a roundabout way. In great arranging and usage of advancement, procedures will be more focused on, contrasted with those that are as yet muddled. Organizations regularly put resources into internet business applications, yet frequently experience issues assessing frameworks that are running. The straightforwardness and appearance that is on the web or web based business site are compelling on the client's buy intention. Ecommerce is good sales and advertising tool for micro small and medium enterprise[1].

In the mentioned 2nd paper we see there is a brief discussion about the good effect of handmade product and the differences between handmade and machine made products. This paper says about the benefit of e-commerce marketing for handicrafts. In the handmade products there is always creativity, there is option to be customized and unique products, there is environment friendliness, personal level self service, long lasting and many unique benefits[2].

So, these all related to our project work. We also worked on handmade products and made an ecommerce app on this. This will very much helpful for the poor and developing country like us.

Contribution :

- Gather idea about how android studio and firebase work and how to write code in android studio.
- Brain storm to fixed the fetchers of the project.
- Make the user interface pages
- Connect the page by coding in android studio and make proper frontend of the project.
- Connect the project with firebase database.
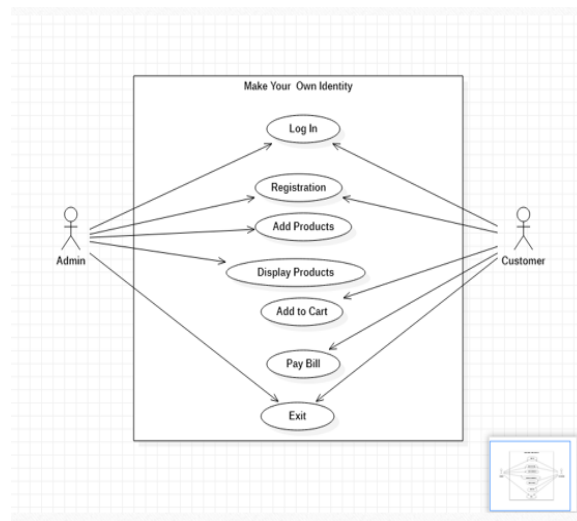
- Then start the work of backend.

Software Used :

Android Studio is used for app development. For database we used firebase and we used java programming language for the application.

Methodology :

First of all, before taking this junior design project course we decide we will make a hardware project but because of online semester in this pandemic corona period we had to select a software based project.

After selecting this topic we did some research on it , read some papers and saw many youtube videos. Then we select our topic and start our work. We were not familiar with android studio and firebase but we tried our level best to do the project.

Whatever, first we make a demo of use case. That means what fetchers will be added or how the project will work.
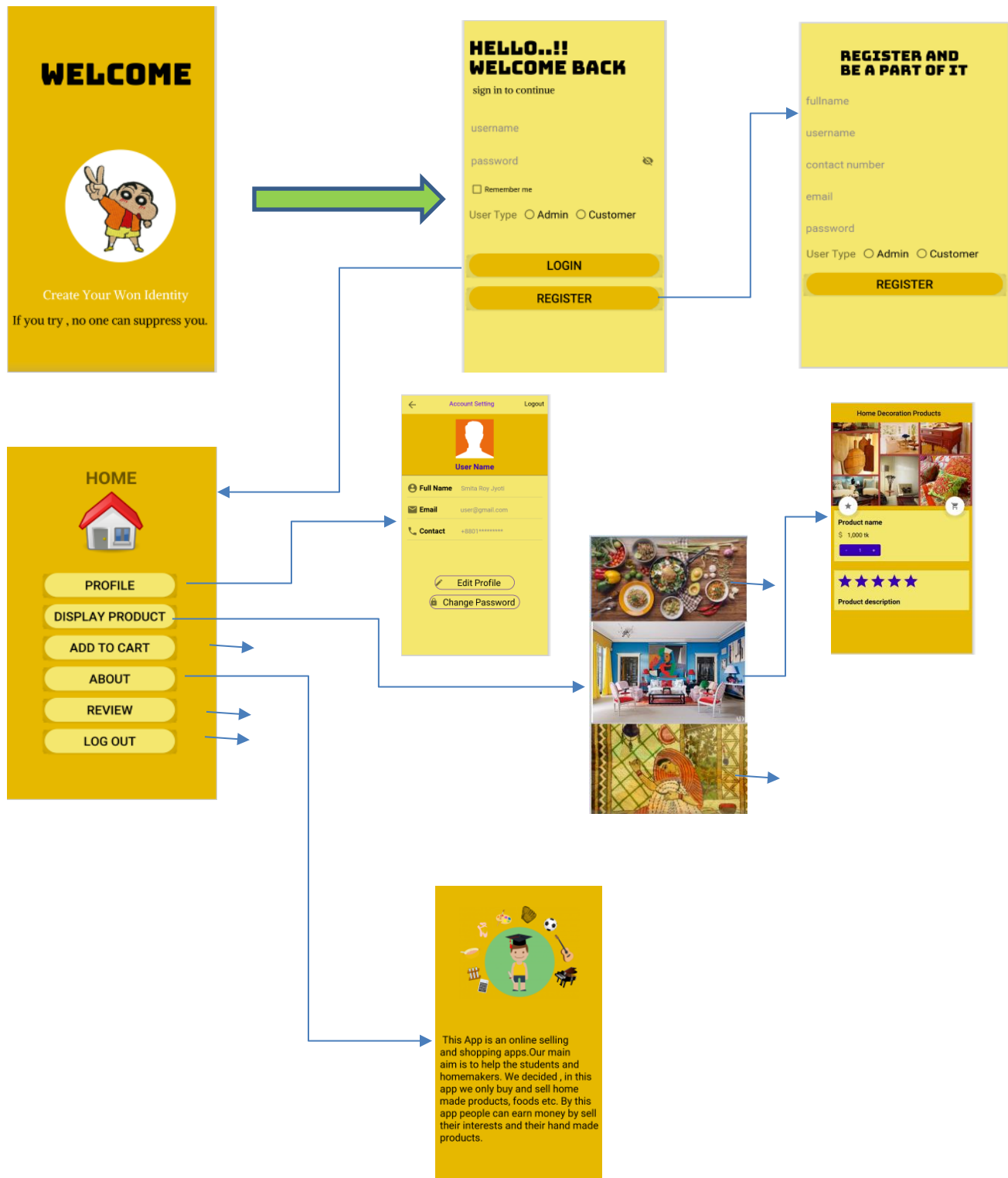
Then using android studio we design all page which the user will see when they will use the application. We made the connection among the pages using android studio and java programming language.

After finishing all the frontend design we started to do backend database work in firebase. We connected our project with firebase and write code in android studio with java language to do the work properly what we want.

Some fetchers of our app are given below:

- <u>Admin :</u> They can send selling post for their products.
- <u>Customers:</u> They can see the sell post and make choice from them. They can search their product category. They can add product to cart and make online payment.
- <u>Registration:</u> Every one have to sign up for access the app with proper details and set a password.
- <u>Log in :</u> for access this app first need to log in by their id and password.
- <u>Add Products:</u> Admin can add products.
- <u>Display Products:</u> Admin can display products.
- <u>Add to Cart :</u> Customers can view all the product and can able to add the product in carts.
- <u>Pay Bill :</u>Customers can pay bill through online .
- <u>Exit :</u> Both customers and Admins can easily exit the app by pressing exit button.

User Interface :

Work Distribution :

- Weekly presentation 2,4,5,8   (smita)

- Weekly presentation 1,3,6,7   (shawon)

- Project Proposal (smita)

- Project Proposal Report (Shawon)

- Login ,Registration (Smita)

- Use case Diagram (Shawon)

- Homepage (smita, Shawon)

- Home Decoration product details and display (Smita)

- Food details and display (shawon)

- User Senario (Smita,Shawon)

- Backend (Smita)

- Final Report (Smita)

- Final Presentation (shawon)

Reference:

1. https://iopscience.iop.org/article/10.1088/1757-899X/662/3/032010/pdf
2. https://irmbrjournal.com/papers/1466711111.pdf