

A Project Report on

Ruchira : An Assistive Platform to Empower Home Sellers

Submitted in partial fulfillment of the requirements for the award
of the degree of

Bachelor of Engineering

in

INFORMATION TECHNOLOGY

by

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Approval Sheet

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CERTIFICATE

This is to certify that the project entitled “*Ruchira : An Assistive Platform to Empower Home Sellers*” submitted by “*Anuja Apte*” (17104029), “*Sakshi Jain*” (17104041), “*Mayuri Deshpande*” (17104062) for the partial fulfillment of the requirement for award of a degree *Bachelor of Engineering* in **INFORMATION TECHNOLOGY**, to the University of Mumbai, is a bonafide work carried out during academic year 2020-2021.

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Declaration

We declare that this written submission represents my ideas in our own words and where others' ideas or words have been included, We have adequately cited and referenced the original sources. We also declare that We have adhered to all principles of academic honesty and integrity and have not misrepresented or fabricated or falsified any idea/data/fact/source in submission. We understand that any violation of the above will be cause for disciplinary action by the Institute and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been taken when needed.

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Abstract

Self employed businesses who manage business of homemade products such as food items, beauty products, selling electronics, catering, clothing and many more will be benefited from the use of this application. This study aims to determine the factors that motivate entrepreneurs through online business to obtain convenience and comfort. To obtain convenience , comfort and increase precise in living and living life and modern life, humans always needs products that are better quality or new products from the business world. So the results show that there are 7 factors in motivating entrepreneurship through online business namely ,Experience and facility Factor ,self Actualization Factor , Reward and Opportunity Factor ,Individual Potential factor , Family Factor , Unemployment factor.

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Chapter 1

Introduction

Being stay at home businessman/woman, have unique skills which are seen in products made and which can be made at home and sold online by making a E-commerce website, one of the best ways to make money at home by selling products online. The selling of products online is fast growing and now-a-days people prefer buying products online rather than going out and buying them. Selling homemade products online includes two benefits, one is as mentioned above people can sit at their house and order and another is they can enjoy the benefit of homemade products which many people find prefer over factory products.

Handmade goes deeper than retail. Handmade pieces show the power of the human spirit and its propensity to create. When you support artisan-made pieces, you also support the craft skill they practice. Hand crafted Products Help Communities. Studies have shown that locally owned independent businesses —many of which sell wares produced by hand— return a higher percentage of their revenue to their communities than chains. That means the people who make money off sales at independent businesses, owners and employees, are more likely to spend their salary at places in the same area where they work. Handcrafted Products Are Easier to Buy and More Popular Than Ever. The Internet is packed with a burgeoning industry of handmade marketplaces – more and more people are embracing handcrafted goods. Some handcrafted sites saw a 71 percent increase in sales in just one year from 2010 to 2011. Buying handmade goods online allows you access to the skills of artisans around the world. Handcrafted Products Support a Tradition of Skilled Work. We have seen that supporting your local artisan is good for the community, but it's also good for the art. As technology makes it possible to replace skilled workers with machines it's important to keep hand-making goods a financially feasible career choice.

A Handmade Item Cannot be Duplicated No two handmade items are exactly alike. Variations in color, shading, texture, shape and grain are inherent in a handmade item. No two items are alike, so that every single one is one-of-a-kind. This means that every handmade item you purchase is also one-of-a-kind. What's not to like about that? Buying handmade products can also create jobs and strengthen the economy. Handmade goods are typically created by small businesses, and small business growth is good for everyone.

Advantages, Benefits – Handicrafts or Hand Made Crafts

Reusability of waste materials: We can create and make a new products and articles from the waste material, this is a low investment process.

Improves the creativity and skills: These motivate skills such as creating articles from clay and also many other material which are naturally available.

Availability of raw materials: The raw material in our country are abundant, so we can use it an ample of amount.

Make money with self employment: These leads to employment factor which will further be benefitted in the development of the country.

Strengthens the economic growth: The money made from such businesses help to strengthen the economy of our country and can be an opportunity to common people to find the job.

Minimum investment: Such type of small scale businesses need minimum investment and the outcome can be maximum profit out of it.

Environment friendly: The handicrafts products and also the products made from that are natural and organic are environment friendly.

Good quality and uniqueness: The products are of good quality and also the quantity is also quite good and uniqueness in shape and taste of the products.

1.1 Objectives

If you plan to establish an online presence for your online business ,you have to consider the objectives and the main purpose for your new website.

- To have multi-lingual support in application.
- Promoting various businesses online.
- Providing product support or customer service

1.2 Scope

- Major scope of selling homemade products is more work and lesser commute time.
- There is low risk rate as market risk is low because there is no market dependency, and it requires lower monetary investment. The business depends solely on the taste of the customers and the new trends in the handmade product market.
- Another scope of this project is flexible working hours. The best thing about selling homemade product business is that you can start the business from your home at your own pace and schedule time according to your convenience.

Chapter 2

Literature Review

Sr no.	Name of the existing application	Purpose of the application	Advantages	Disadvantages
1.	Home Minister	Empowering women entrepreneurs by supporting home based, small scale, medium or large scale businesses.	It helps women to earn a living by staying at home.	It has registration fee to register your business. It is an app only for business women. It does not have multi-lingual support and voice detection.]
2.	Big Basket	It is India's supermarket app with many trusted users. BigBasket is the India's largest online grocer that receives over 100,000 orders per day.	This app helps people buy groceries online and saves the effort of going outside.	Should add new more categories as Amazon, Flipkart are biggest competetors.
3.	Nykaa	Another app made in India which allow* you to choose from over 1 Lakh beauty products and 850+ brands.	Various brands available and products within pocket friendly range.	Few customers receive their orders very late and are unhappy with customer care service.

Figure 2.1:

Chapter 3

Project Design

Proposed System Architecture

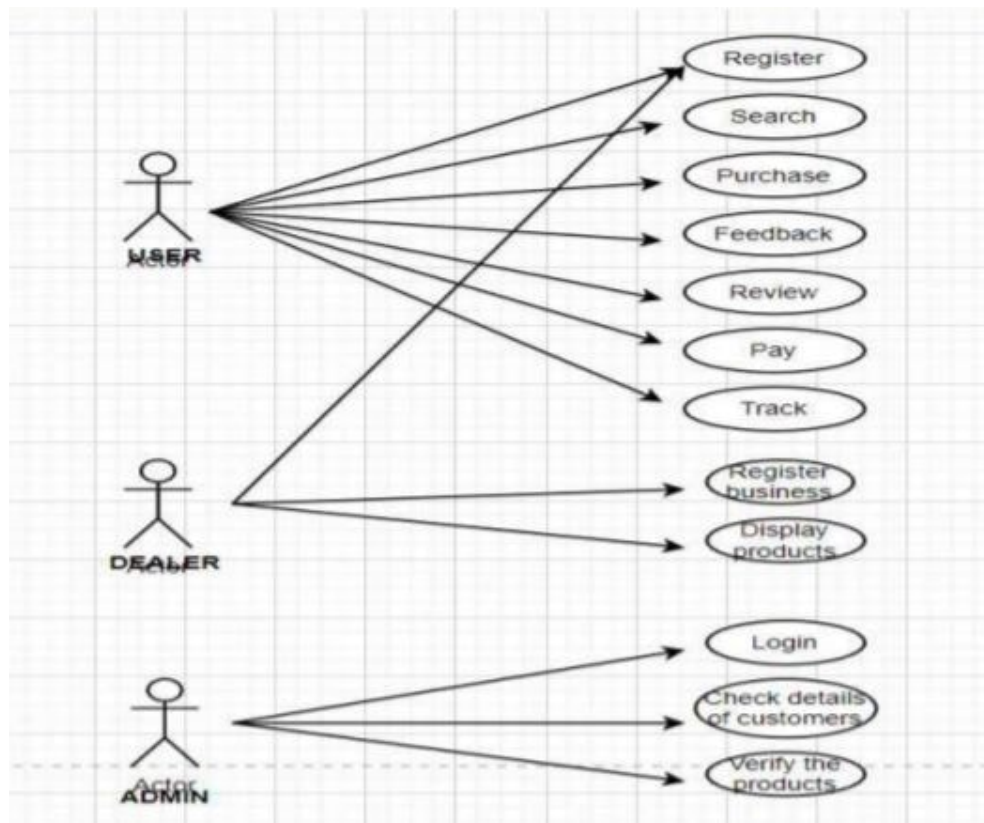


Figure 3.1:

The proposed system that i am going to deploy here is to speed-up the database response by using a Cloud Server platform rather than a local database and to reduce the time complexity by using multi-user environment. Because of this multi user environment, we can reduce the burden on single person. The proposed system will have three main factors that are the admin the seller and the customer. The customer and the seller needs to be registered on the portal and it should be verified by the admin for for the business deals. Admin duties are to verify the accounts of the sellers and customers and make sure that there are no fraudulent. The duties of the seller are the seller is registered on the portal he can verify and add his business or we can add multiple business to the portal. Business will be for the verified and analysed by the admin. The customer can buy products of various brand from this app. The customer can search any types of products because there are many categories available, also there is offer on many products.

Chapter 4

Project Implementation

To implement our system we are using a basic Technological Stack:

- Andriod studio
- XML
- MySql

These languages will be used to develop the neccesary modules which are required in order to built a proposed application system.

- Testing devices: Ubuntu, windows.
These are the devices which can be used to access the application,which will be developed.
- Multilingualism: NLP
Through these we can make use of multiple languages for better user understanding

Design and Flow of Modules

The flow of modules is in such a way that includes login and authentication, cataloguing and order fulfillment.

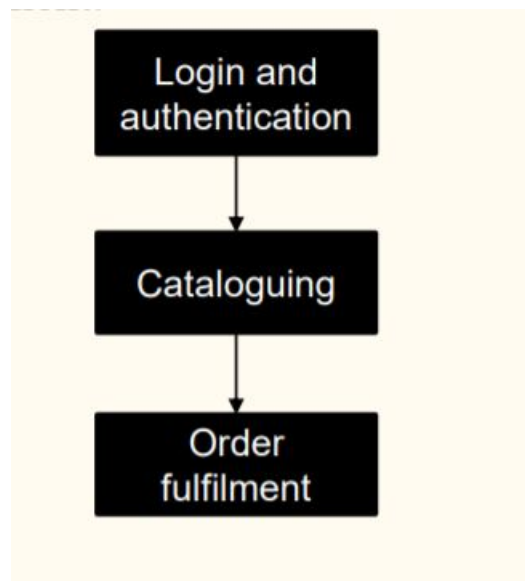


Figure 4.1:

Use Case Diagram

This is diagrammatic representation of use case. It states various steps that customer can follow to go through various products.

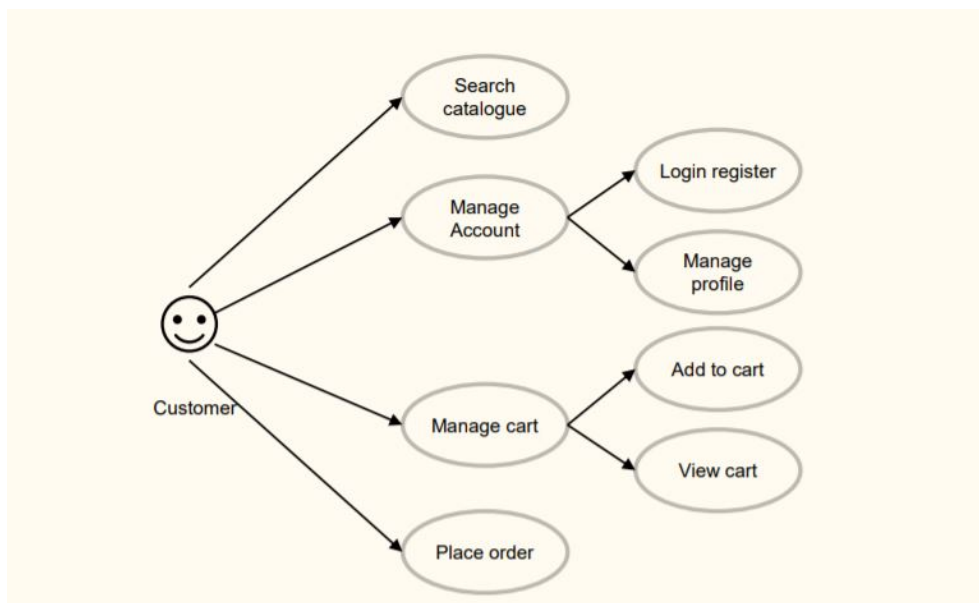


Figure 4.2:

Activity Diagram

This is diagrammatic representation of activity. It states various steps that customer can follow to go through various products.

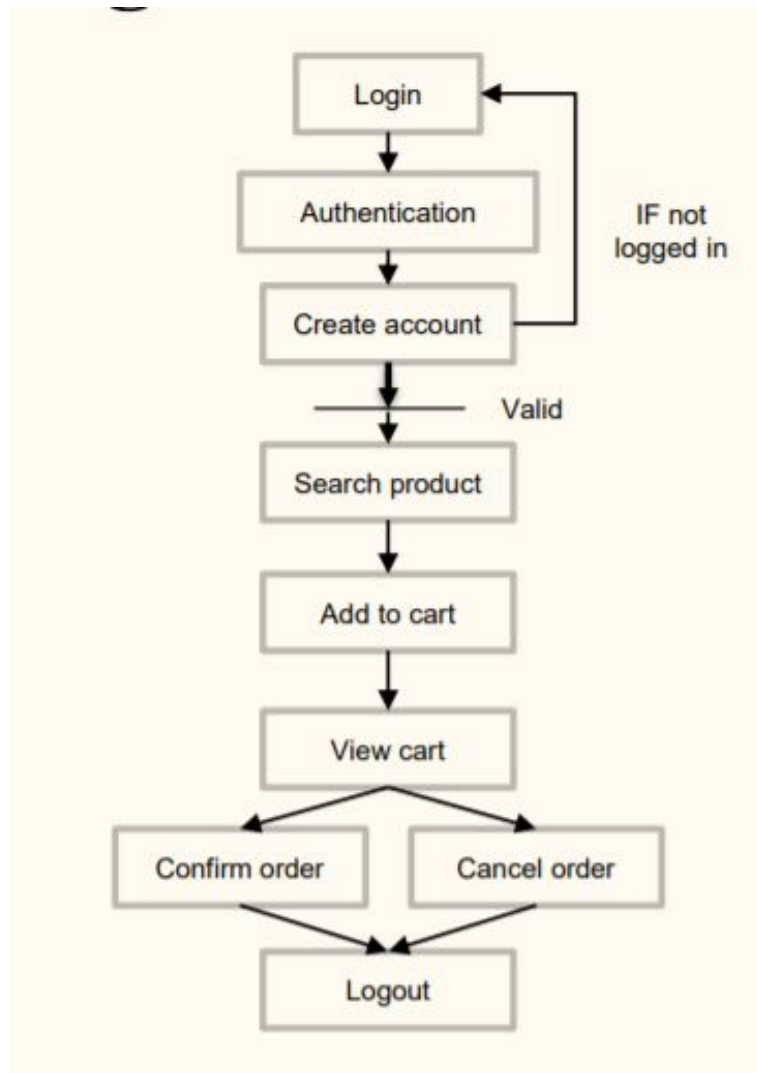


Figure 4.3:

Snapshot of our application

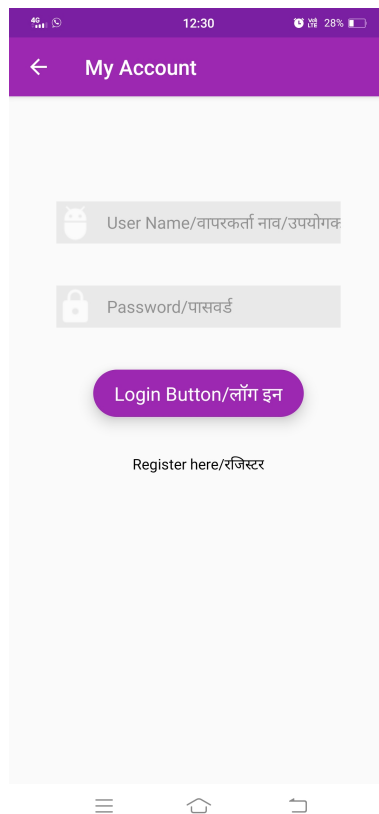


Figure 4.4: Login page

These is the login page where you can login and further buy the products

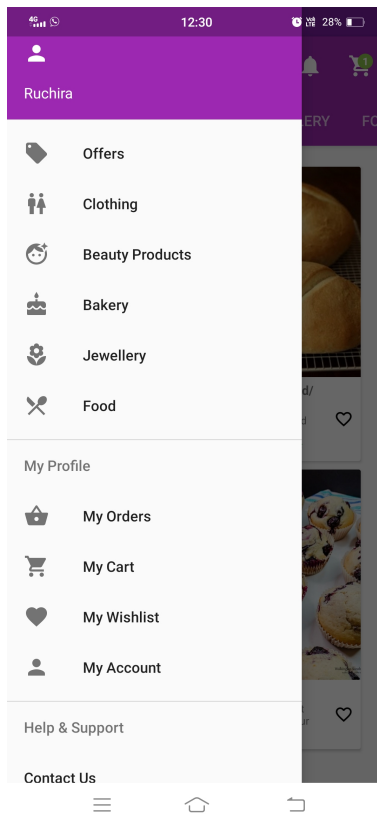


Figure 4.5: Menu page

These is the Menu page where you can view all the options of the application.

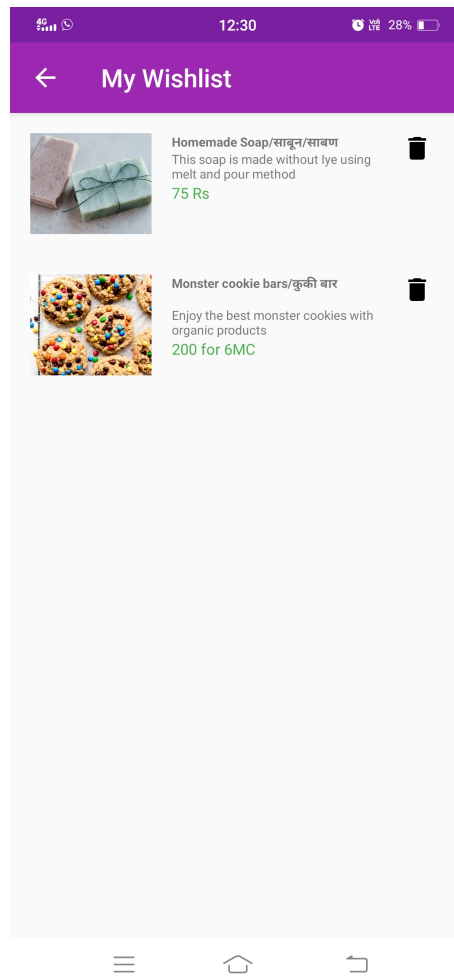


Figure 4.6: Wishlist Page

These is the Wishlist Page where you can add the favourite product in wishlist that if you wish purchase later on.

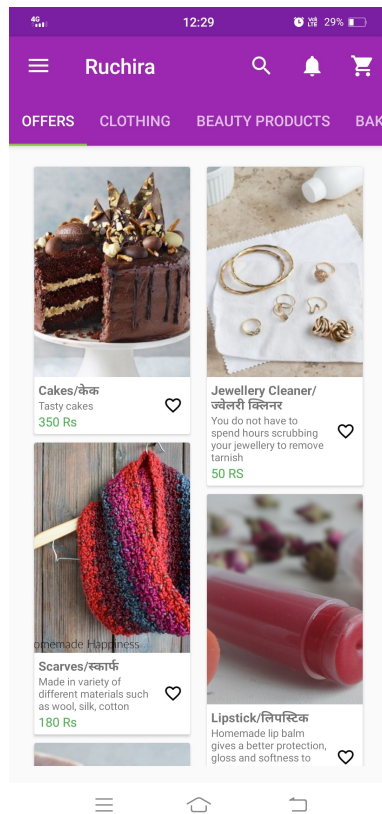


Figure 4.7: Home Page

These is the homepage of our application,here offers on different products are displayed.The customer can check offers related to a particular products.

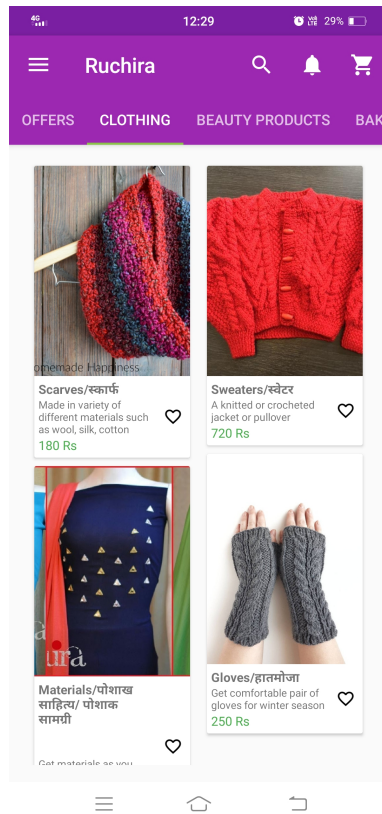


Figure 4.8: Clothing Page

These is the Clothing Catalogue,here you can find any kind of dresses. And also utilities likes gloves also you can purchase.

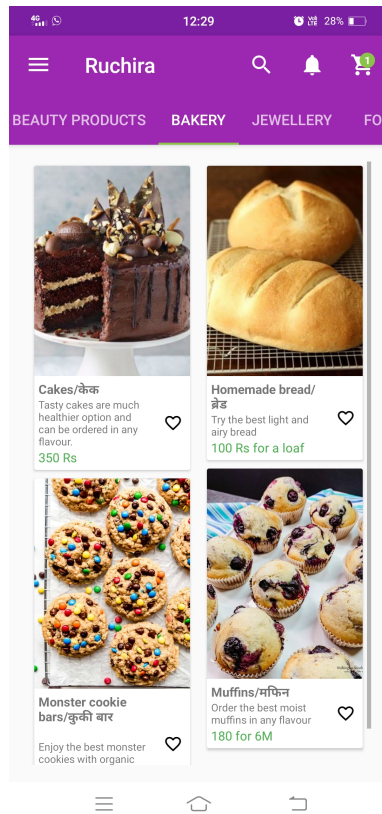


Figure 4.9: Bakery Catalogue

These is the Bakery Catalogue,here you can find any kind of Bakery Products. The purchase items are also shown in the cart.

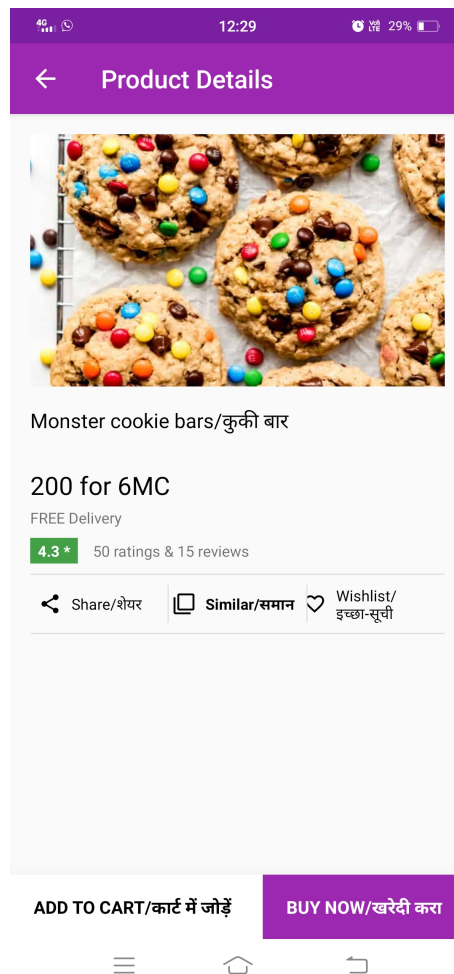


Figure 4.10: Product Details

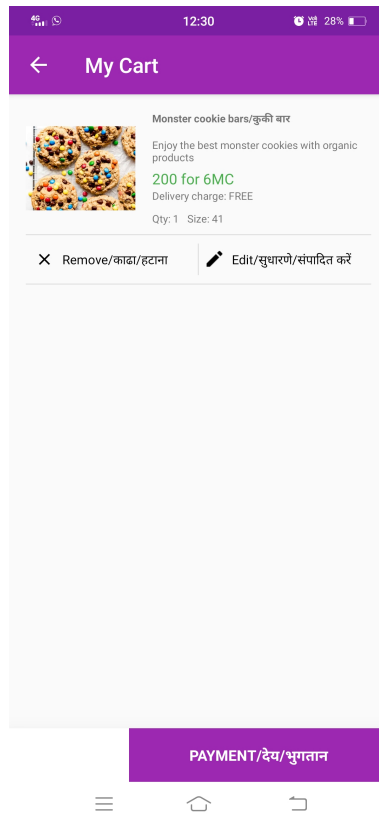


Figure 4.11: Cart

Chapter 5

Conclusions and Future Scope

The Internet has opened so many opportunities for doing business online, and E-commerce is one of the most popular ones. Not only does it require low investment, it actually is a type of business that does not require a full time commitment, especially if you are selling limited number of products. You just make an online presence and promote the business using both free and paid methods. However, as each business has its positive and negative sides. If you want to achieve success, you will have to create an organized strategy which is based on realistic goals and comprehensive analysis of the market.

Bibliography

- [1] www.homeminister.com
- [2] www.nykaa.com app-nykaa
- [3] www.bigbasket.com

Appendices

Appendix 1: Implementation We need to build an efficient application first for the front end. Also we need to create a Android app. We will be using Java, XML, and Android studio for coding.

Following are the steps:

- 1. User login interface i.e the Home Page. This is the first point of entry into the software.
- 2. If You are not a user then go to register page and register yourself and then login.
- 3. We need to select the products from various categories you want to purchase.
- 4. We need to add the products in to the cart and if you purchase later then you can add them in my whislist.
- 5. There are various Offers present in the application.

Publication

Paper Draft on **Ruchira : An Assistive Platform to Empower Home Sellers** is ready
. Plagarism checking is done.