



globsyn

Taking People To The Next Level

Globsyn Skills, G

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Online Shopping Cart

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Acknowledgement

I take this opportunity to express my profound gratitude and deep regards to my faculty Mr. **Anindya Banerjee** for his exemplary guidance, monitoring and constant encouragement throughout the course of this project. The blessing, help and guidance given by him/her time to time shall carry me a long way in the journey of life on which I am about to embark.

I am obliged to my project team members for the valuable information provided by them in their respective fields. I am grateful for their cooperation during the period of my assignment.

*Debjyoti Pandit
Hariom
Abhishek Kumar
Kinjal Kr. Roy*

Project Objective

- Online shopping or e-shopping is a form of electronic commerce which allows consumers to directly buy goods or services from a seller over the internet using web browser. This will let consumer to view and order products online from any part of the world.
 - This project is aimed at developing a web application that describe online shopping of mobile.
 - Using this software, companies can improve the efficiency of their service.
 - Online shopping is one of the application to improve the marketing of the company's product.
- To develop an Interactive Android app which provides:
 - Online Shopping.
 - Our first-rate delivery experience brings smiles to our customers' doorsteps.
 - Leverage our volume consistently and steady income.
 - Free replacements.

Project Scope

The broad scope of the e-shopping project includes:

- Shopkart is an online application, which provides the online facility available for everyone.
- Shopkart application concentrates more on user friendly interface and promotes to user to purchase faster and easier.
- Security issue pays major importance today, extra attention towards security is done in shopping application.
- Online shopping is provided with customer feedback page.
- The products will be sorted and categorized according to price & user ratings.
- It will help the customer to find products which has a good rating & which is liked by many customers.

Requirement Specification

Domain Description:

The project aims to make an online shopping application. It will be used by net users so that they can order products and make deals at the click of a mouse. In this Android Application has facilities for buying goods, posting queries & feedback about products, and discussion. The users of the system are the nets hoppers who use the consumer interface and the Products Manager who uses the developer interface to make changes to the underlying database system such as changing the policy engine.

Relationship with other products and principal interfaces

The interface will be in 2 basic parts

1. The developer interface for data deletion, entry and the management of the policy set. The above encompasses all Managerial functions such as changing the item information, managing the dispatch time-table are all?

2. The consumers interface for buying goods and querying. This will also include consumers own account which will serve as a platform for selling goods, and by extension thereby, auctions. The interface will provide for an easy search so that the customer will be able to locate the product of his choice easily. The products in the shop will be organized in sorted manner called category which hold similar products. The category are themselves have sub-category. We are using a tree data structure for the same.

Both of the above interfaces shall make changes to the same underlying database structure which in totality shall constitute an online shop.

Problem Definition:

This project provides the software for Online Shopping. The purpose of this project is to provide an easy shopping facility online and easy selling facility to the merchants of all categories.

The customers register with their details and get authentication for an authorized Login.

The software provides the following facilities to the customer:

- Facilities easy shopping online from anywhere with free shipping (conditions apply)
- Provides information about products in categories
- Customers are provided with up to date information on the products available.

The objective of this software is to provide easy assistance to both the customer as well as the merchant with proper database and information.

Functional Requirements:

CONSUMERS DOMAIN

1. Browsing Through Items: The consumer will be given a web interface which allows easy browsing through the different rooms. Basically the items in the shop are well organized and well-presented so that a user can understand his required item easily.
2. Item Selection: When a consumer selects an item authorization takes place he will be prompted for password or if he is an unregistered user he/she must register to the account then he/she proceed to purchase products online.
3. Cart Remitt
cart with di
sent to the

pdate/change/add to his
art and the products are



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4. Queries and feedback: The customer is allowed to post queries about products available and can give feedback about sold online product.

PRODUCTS MANAGER/Developer's DOMAIN

1. Shop Modification: He has an interface to add items to his shop and make modifications to items like prices etc.
2. Easy configurator: The Products Manager must be able to configure his shop.
3. Graphical view tool: The Products Manager must be able to graphically view the sales list and other statistical reports in form of pie charts/bar diagrams etc. so that he can make business decisions.

Hardware /Software Requirements:

- ✓ Hardware requires:

Client Side:

- RAM: minimum 512MB RAM
- MEMORY: minimum 100MB space

Server Side:

- RAM: minimum 2GB
RAM
- Hard disk: minimum 100GB
- Cellular networking: GSM, EDGE,3G,4G (Hardware dependent)
- LAN: Bluetooth and Wi-Fi (Hardware Dependent)

- ✓ Software requires:

Client Side:

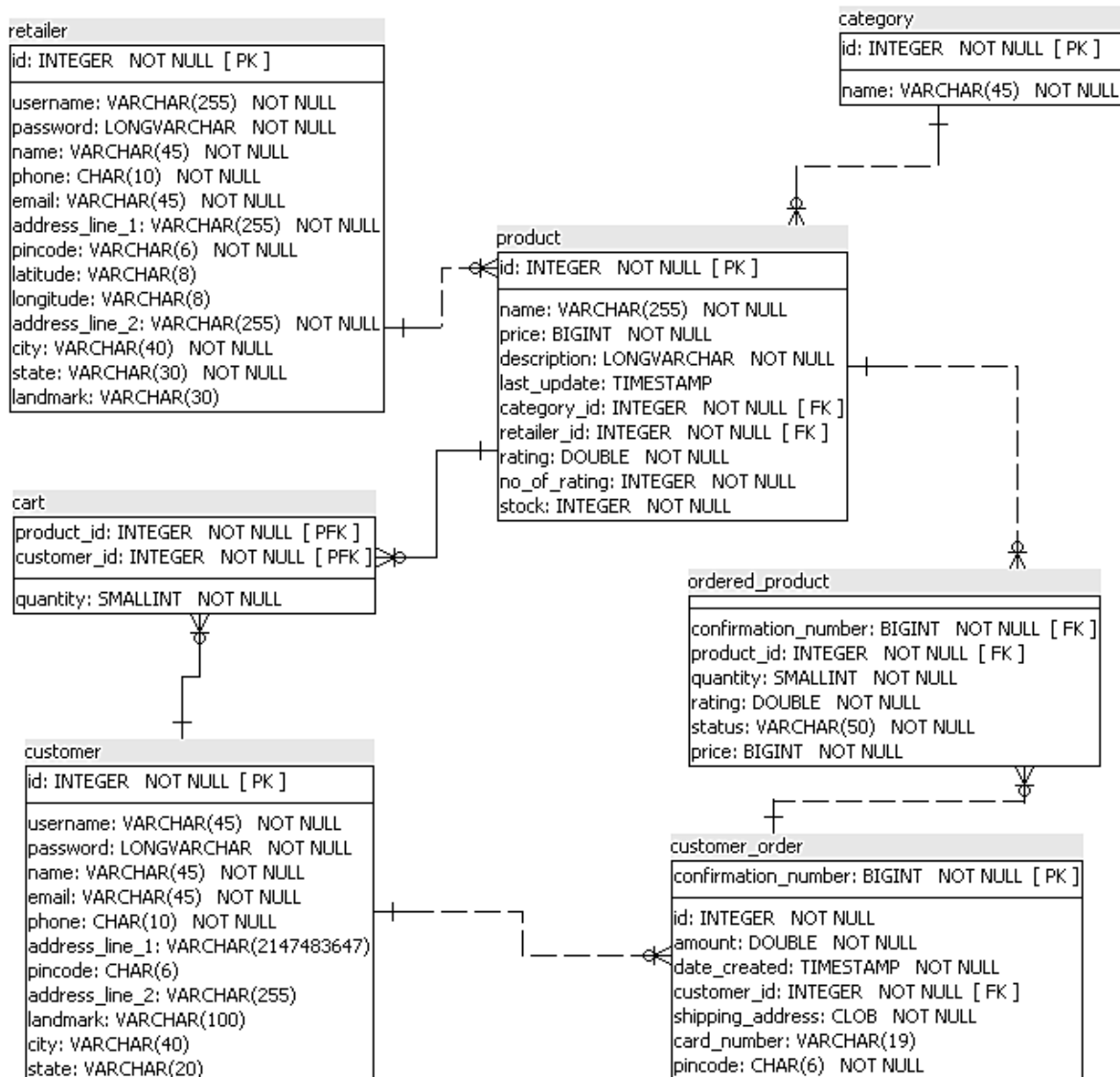
- OS: API 19(KitKat or higher version)

Server Side:

- **Android Studio** for App development
- **Dalvik Virtual Machine** optimized for mobile services.

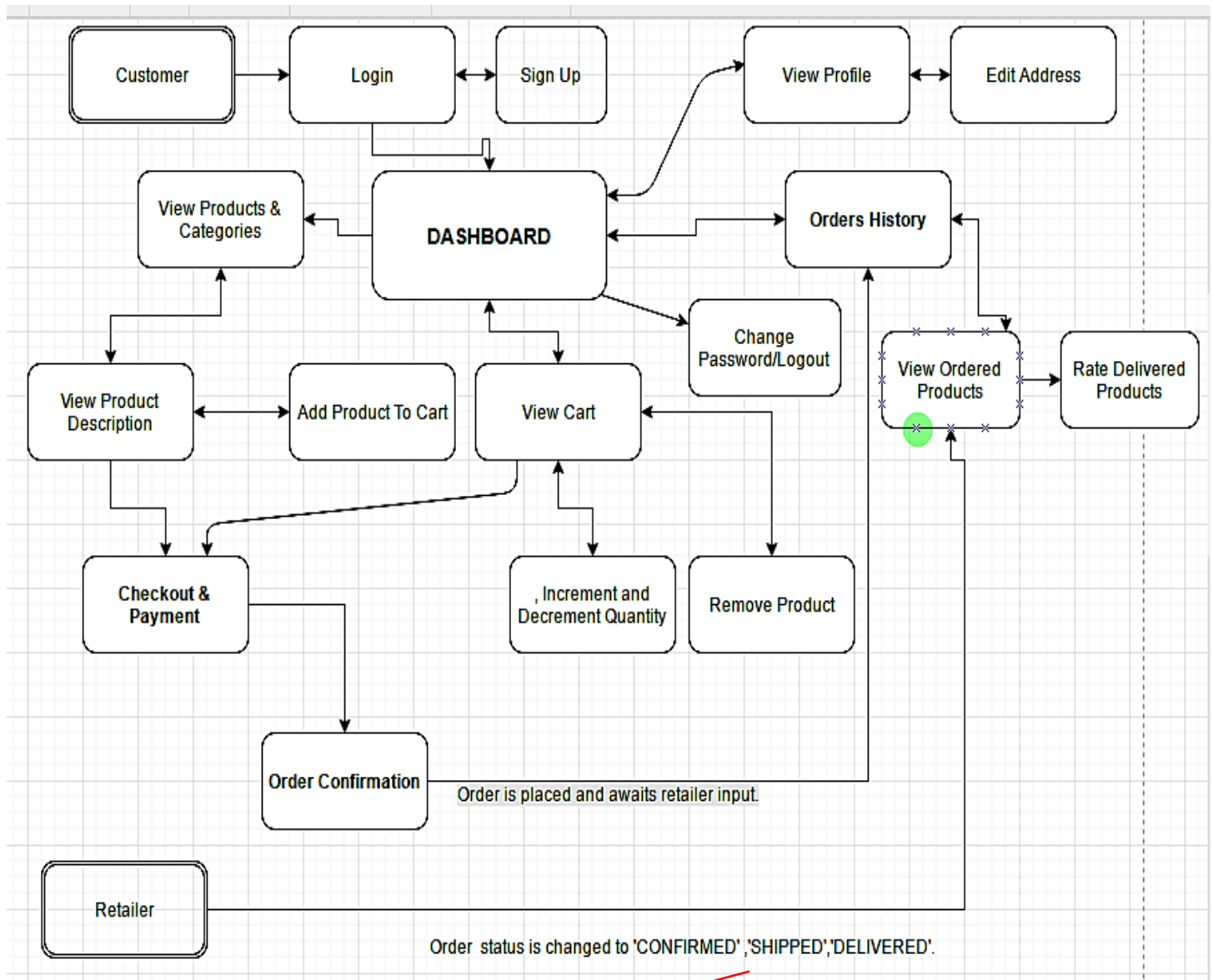
Database Design

(This section describes the Entity Relationship (ER) Diagram and description of the table structure)



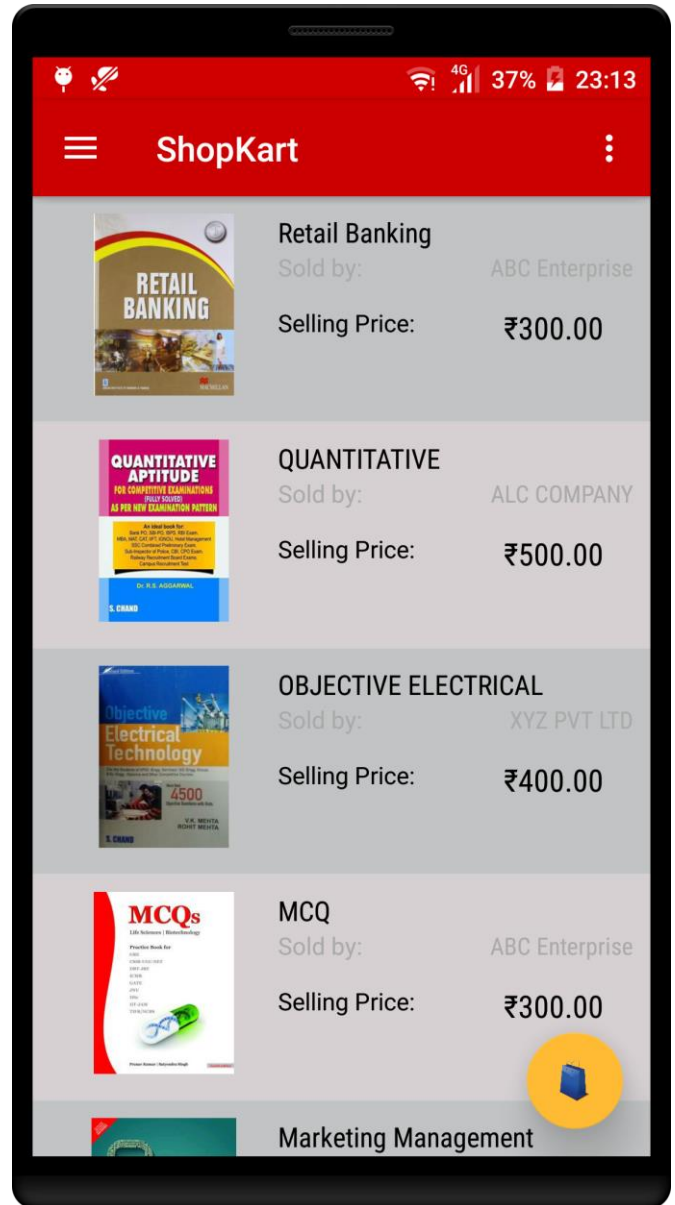
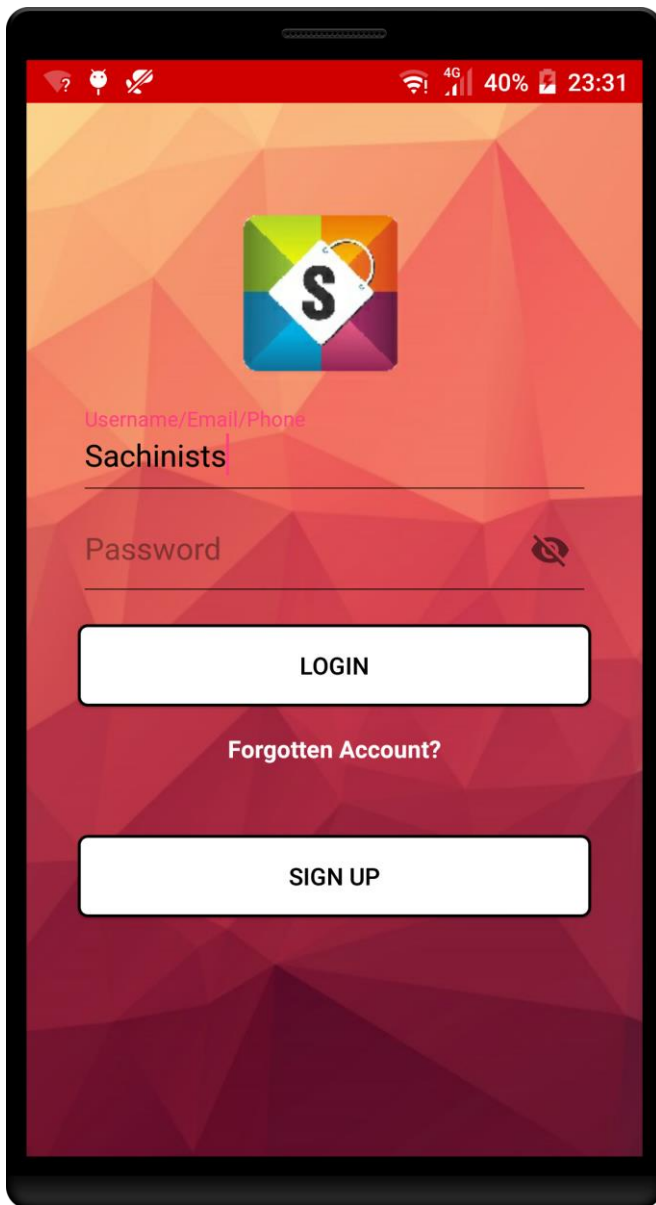
Application Work Flow

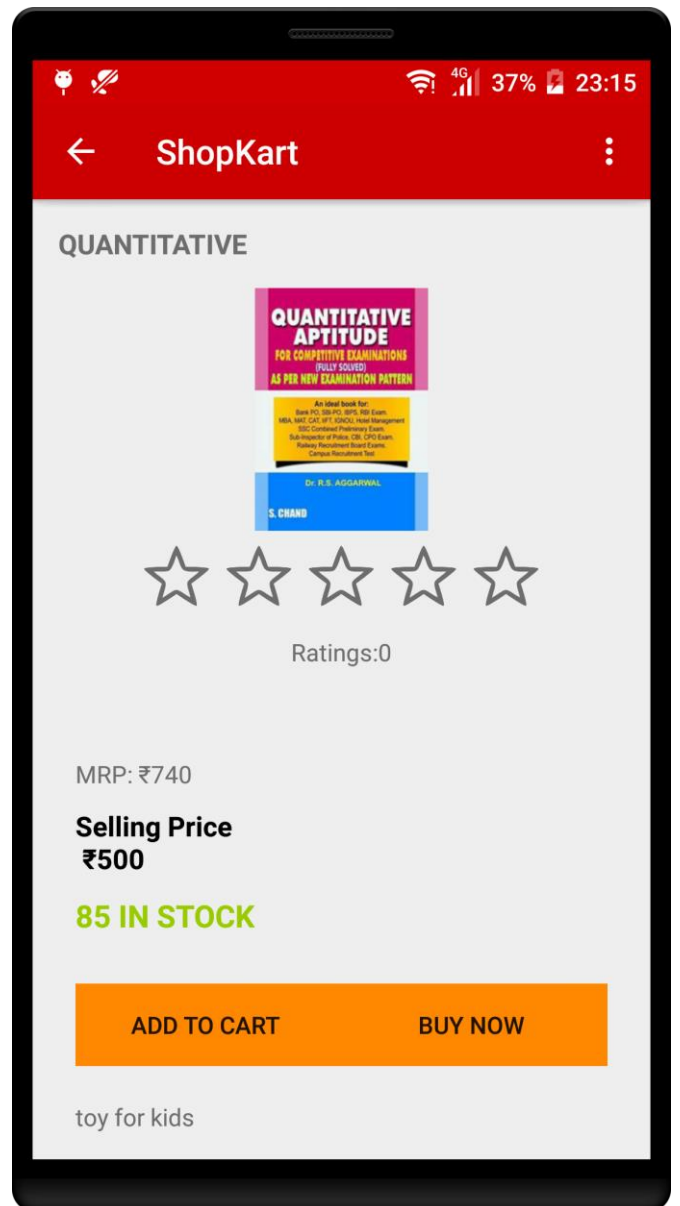
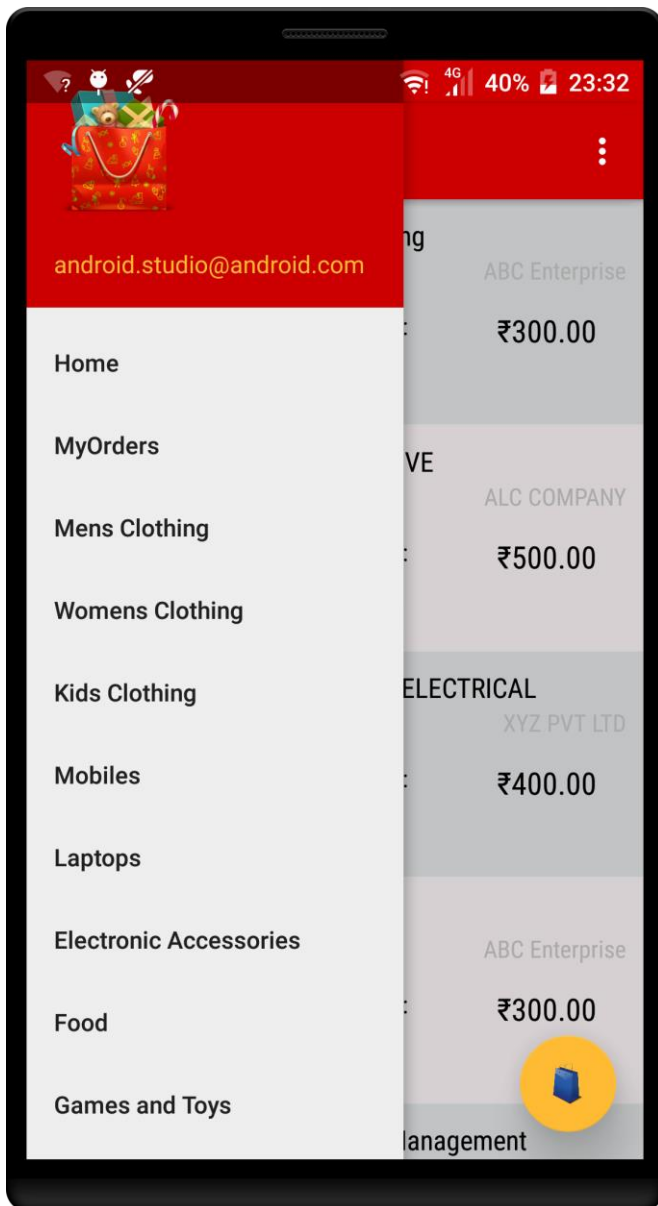
(This section displays the flow of information in the application)



Screenshots

(This section contains the important screenshots of the application)





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←

MyOrders

⋮

Reference ID: 89470225

Shipping Address:
ujhhh jhhhj jhhh jjhh jhhh

Pincode:632569

Order Placed On: Feb 14, 2017 5:47:00 PM

Order Amount: ₹500.0

Mode Of Payment: Cash On Delivery

Reference ID: 44751002

Shipping Address:
rtyhff DF gg fgggg dfghj dghjj

Pincode:123456

Order Placed On: Feb 13, 2017 9:03:00 PM

Order Amount: ₹800.0

Mode Of Payment: Cash On Delivery

Reference ID: 98789762

Shipping Address:
rtyhff DF gg fgggg dfghj dghjj

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←

Confirmation Page

⋮

Thank You For Your Order!

Your order has been placed and is being processed. When the item(s) are shipped, you will receive an email with the dtails. You can track this offer through My Orders page. Note down your reference number for future queries about this order.

PRICE DETAILS

Amount Payable

₹500.0

Delivery

₹+50

Reference Number

89470225

Delivery Address

ujhhh jhhhj jhhh jjhh jhhh

Pin code:-632569

You can manage your order from My Orders page.

MY ORDERS

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Future Scope of Improvements

1. There is no technique implemented to ensure that the user being registered is not a bot or the details provided for contacts like Email & Mobile number are valid.
2. While going through the list of products, a sorting action button can be added to sort the products according to users' demands.
3. A searching option can be added to search from the list of products. This can make things a lot easier for end user.
4. A user has to login to just browse the product list. Users might want to order products as guest.
5. Options for 'New Offers & Discounts', 'Share app' can help expand the number of Users and hence profit.

The future of Shopkart is Ambitious, Diverse, and Expensive. We want to make Shopkart world's largest online retailer, a master of logistics, an oracle of computing power, a wrangler of digital content, a beacon of customer service and reviews, and even innovative when it comes to conceiving handheld electronic devices.

Code

The source code for the application is present at <https://github.com/hlbhariom/shopkart> .

Certificate

This is to certify that Mr. **Debjyoti Pandit** of **Haldia Institute of Technology**, registration number: **141030110031**, has successfully completed a project on **Online Shopping App** using **Android** under the guidance of Mr. **Anindya Banerjee**

[*Anindya Banerjee*]

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Certificate

This is to certify that Mr. **Abhishek Kumar** of **Haldia Institute of Technology**, registration number: **141030110004**, has successfully completed a project on **Online Shopping App** using **Android** under the guidance of Mr. **Anindya Banerjee**

[*Anindya Banerjee*]

Globsyn Finishing School
(a division of *Globsyn Skills*)

Anindya K. Banerjee



Certificate

This is to certify that Mr. **Hariom** of **Haldia Institute of Technology**, registration number: **141030110035**, has successfully completed a project on **Online Shopping App** using **Android** under the guidance of Mr. **Anindya Banerjee**

[*Anindya Banerjee*]

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Certificate

This is to certify that Mr. **Kinjal Kr. Roy** of **Haldia Institute of Technology**, registration number: **141030110038**, has successfully completed a project on **Online Shopping App** using **Android** under the guidance of Mr. **Anindya Banerjee**

[*Anindya Banerjee*]

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