Project Title

The Online Store Project

INTRODUCTION

The ability to run a business organisation in a pure profit earning manner is becoming crucial in today competitive market environment. It is more crucial if the business is of ladies wear such as ladies' kurtis as the trend now-a-days goes on changing within short time period. In such a repetitive changing environment, some of the retailer may remain unaware of what is the new trend in the market of various cities and states.

The business characteristics include the following:

- Adopt the latest business policy in order to earn profit.
- Do some innovations according to the market demand.
- The design style matches the product.
- To know effective and accurate product.
- Be aware of the most popular trend.

Organisation Profile

- Technopreneurs Technolabs provide a wide range of IT solution to both clients and alliance partners.It is all about accelerating the world's transition to better and more improved technologies.It has the required development facilities and infrastructure combined with quality assurance processes to ensure timely delivery of high quality and low maintenance web solutions.Technopreneures Technolabs also Developed Live web/mobile applications.

- Technopreneurs Technolabs has a deep understanding of proprietary & open source technologies with client centric and human friendly technology, specially addressing the small/medium business segment.

System Details

- Earning profit is the main objective of any of the business organisation. It can done by using various sources within the organisation. Such sources include variations in internal processes, knowing customers.
- As market change, the way of doing business evolves. In today's market environment many organisations implement different projects to deal with these changing environment. Project accumulates a lot of intellectual knowledge which can be later used by same organisation to add value, competitiveness and improve future projects performance.
- Retailer as well as wholesalers use some online business policies to ease their work, to make innovation, to reduce the cost of travelling in order to grow the business. However, as projects have specific goals and unique deliverables that are never the same this may lead to a difficulty in efficiently capturing project knowledge.
- The use of WHOLESALER RETAILER FOR KURTIS in the project is gaining increased importance as it helps to improve the chances of project success. The success and failure of project is highly dependent upon the ability and willingness of the people within the organisation.
- The characteristics is dependent on the culture and entire environment organisation create for wholesaler and retailer. Activities that are required for selling of kurtis include organising, refining and selling of latest kurtis according to the market requirement.
- The break down in the project is due to variety of reasons, which include the lack of time, insufficient resources, lack of the support of wholesaler and retailer.
- This lack can lead to project failures, as no documents may exist to support the implementation of current and future projects.

Existing System

Currently no such system exists for Mamta Collection.

Proposed System

- Wholesaler and retailer website for kurtis will give the solution of the major problem of any businessman in the field of kurtis, that needs to travel city to city and also in various states for purchasing latest kurtis.
- Even through this website, retailer can view many other options of kurtis they want to purchase, as the website will also give platform to number of wholesaler to upload their currently manufactured stock.
- As there would be the products of many number of wholesaler, the cost of the products will vary from wholesaler to wholesaler, thus the retailer can also select most feasible product to purchase which the retailer afford.

Scope of System

Users:

1. System Admin
    - Approval/disapproval request of wholesaler and retailer.
    - Add, update and delete
    - Manage stock both wholesaler and retailer.
2. Wholesaler
    - Add manufactured product
    - Advertise product
    - Manage quantity stock
3. Retailer
    - Purchase product
    - View product
    - Review product

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Objectives

The primary role of the website 'Wholesaler retailer for kurtis' is to create a business relationship between wholesaler and retailer, so wholesaler can easily sell their product in bunch and retailer can purchase the needed products in an affordable price andthe product having the best quality.

1. Communication:

   Through the website of 'Wholesaler retailer for kurtis', we provide a stage to improve the business communication between various wholesaler and retailer from different cities and states.

2. Efficiency:

   Another reason for 'Wholesaler retailer for kurtis', is to efficiently provide the way to sell kurtis not only in the limited area but also in the vast area even the whole nation.

3. Innovation:

   Capturing and sharing of updated information about the kurtis from different cities and states make the great innovation for selling and purchasing of products through the mean of website. Anything that facilitates and motivates those leaps of thinking should be encouraged and supported.

Proposed System & Requirement Gathering

Every Software project goes through a phase called Requirement Gathering. A successful project begins with difficult set of discussion on what should be done. It's the major responsibility of IT business analyst to gather the requirements from the clients. Getting the correct requirements from the clients can often be one of the biggest hurdles in any software projects. If business analyst gathers correct and complete requirements, the project will yield richer crops.

Stack holders of System

1. System admin:

A system admin is a person who is a responsible for the upkeep, configuration and reliable operations of computer system. The system administrator seeks to ensure that the uptime, performance, resources and security of the computers he/she manages meet the need of the users.

2. Wholesaler user:

A wholesaler user can use the system for selling their products in a bunch not only to limited area but also in vast area such as different cities and states.

3. Retailer user:

A retailer user can use the system for purchasing of products having the best qualities affordable cost from the wholesaler who supply the latest products. As there would be number of wholesalers the retailer will be having many options to choose what to purchase.

Requirement gathering technique used:

Requirements Gathering Techniques:

There are many techniques available for gathering the requirements. Each technique has value in certain scenario. Most of the time, it becomes necessary for Business Analyst to use multiple techniques to gather complete and correctrequirements from clients and stakeholders. Here are some of our favourite Requirements gathering techniques.

1: Shop-to-Shop interviews

2: Group interviews

3: Facilitated sessions.

4: Questionnaires

5: Various wholesaler interviews6: Following people around

7: Request for proposals (RFPs)

For our system we have used Questionnaires:

The Questions that were asked during Questionnaires:

1. Your opinion for selling kurtis through website?

   Ans: It is the best option to sell kurtis through website , as it would be much beneficialto wholesaler as well as retailer in terms of cost , time and efforts.

2. What you face problems for selling and purchasing kurtis in a shop?

   Ans: In real life not much problems are faced in selling or purchasing kurtis from shops , but in case if we want more options for selling or purchasing it would be better fordoing business.

3. How your front page should look like?

   Ans: Yes, the user view of the website is first and foremost priority, the front page will be such that it will be compatible to the user, and either the user be wholesaler or retailer.

4. How you purchase the collection?

   Ans: To purchase collection from the sellers, the retailer would first like to view the collection of many of the sellers, then only he will be deciding how to purchase the collection. The most preferred mode is to purchase collection through cash,as it will conduct face to face communication.

5. How advertisement will work?

   Ans: There would not be much advertisement for the website, but still as user will use the website and if it is comfortable using it , he will also suggest other users to use it.

6. How you can create business communication relationship?

Ans: As the product provided by the particular seller achieves the level of satisfaction of the particular retailer, it would create better relationship between both in real life also.

7. Any additional feature you want?

Ans: The features that satisfies all users needs are the best, all the user will be comfortable enough to use the website with the provided features.

System Management AndPlanning

Feasibility Study

A feasibility study is carried out to select the best system that meets performance requirements.

The main aim of the feasibility study activity is to determine whether it would be financially and technically feasible to develop the product. The feasibility study activity involves the analysis of the problem and collection of all relevant information relating to the product such as the different data items which would be input to the system, the processing required to be carried out on these data, the output data required to be produced by the system as well as various constraints on the behaviour of the system.

Technical Feasibility

The technical feasibility study compares the level of technology available in the software development firm and the level oftechnology required for the development of the product. Here thelevel of technology consists of the programming language, thehardware resources, other software tools etc. Internet is required to use the system.

Our system consists of,

- The facility to produce outputs in a given time.
- Response time under certain conditions.
- Facility to communicate data to distant locations.
- It just requires window operating system and normal browser to use our system.
- The organisation has already purchased required gadgets.

Hence, the proposed system is technically feasible

Economical Feasibility

The economic feasibility study evaluate the cost of the software development against the ultimate income or benefits gets from the developed system. There must be scopes for profit after the successful completion of the project.

- Our system is not much costly to develop.
- It is easy to use and understand therefor there is no need to appoint any operator to use the system.
- Organisation is ready to invest in proposed system because it is being developed in latest technology and will be very fast for the users to transfer or share the information using the system

Operational Feasibility

Operational feasibility is a measure of how well a proposed system solves the problems, and takes advantage of the opportunities identified during scope definition and how it satisfies the requirements identified in the requirements analysis phase of system development.

Hardware And Software Requirement

Software Requirement:

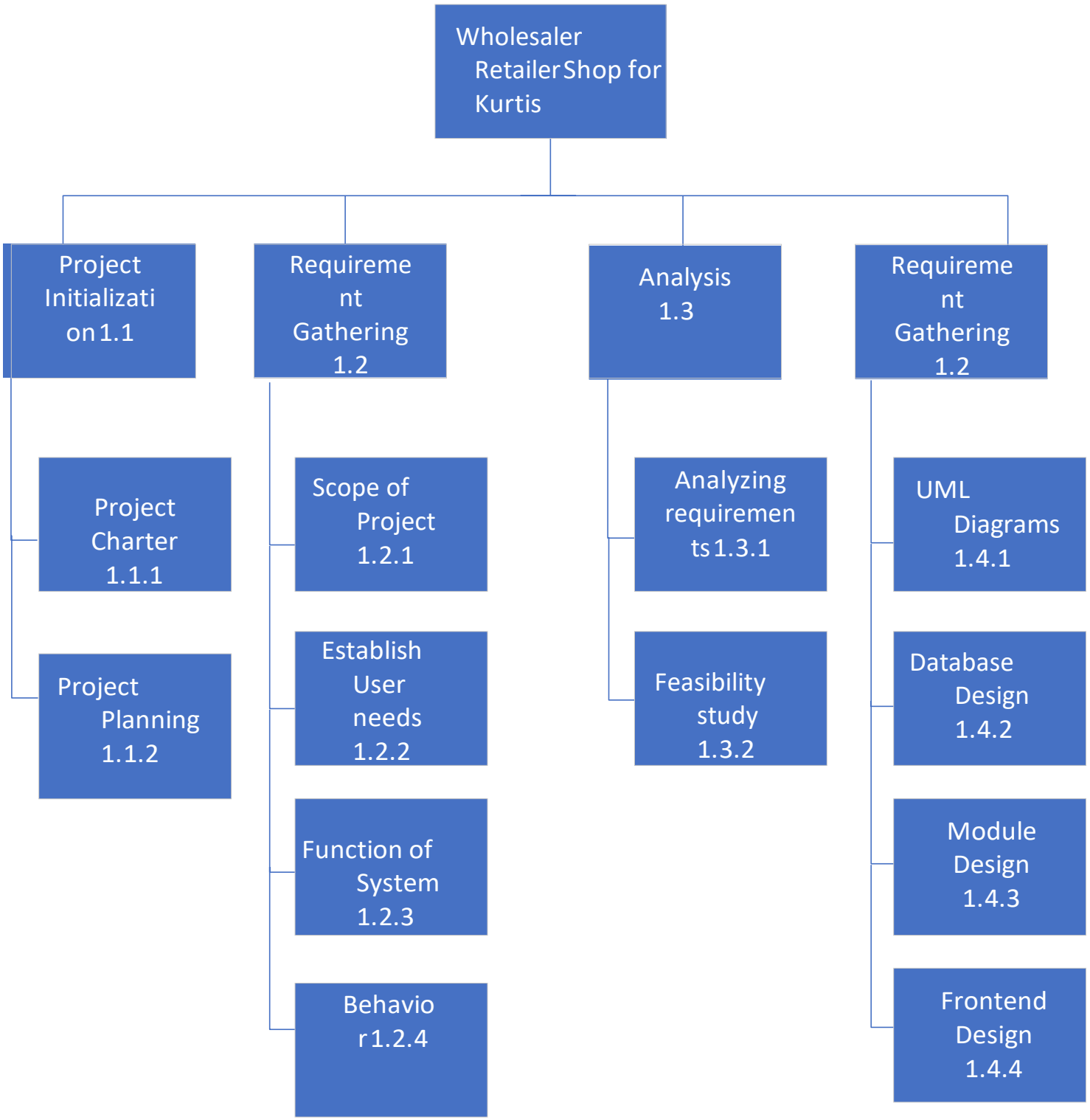
Platform	PHP Angular 6 IONIC
Frontend	• Sublime • Visual Studio Code
Backend	• My SQL • Node js
Tools	• JQuery • Google Docs API • Angular 6

Hardware Requirement:

Platinum microprocessor and above	4GB or above	512 MB ram or above
Processor	**Hard Disk**	**RAM**

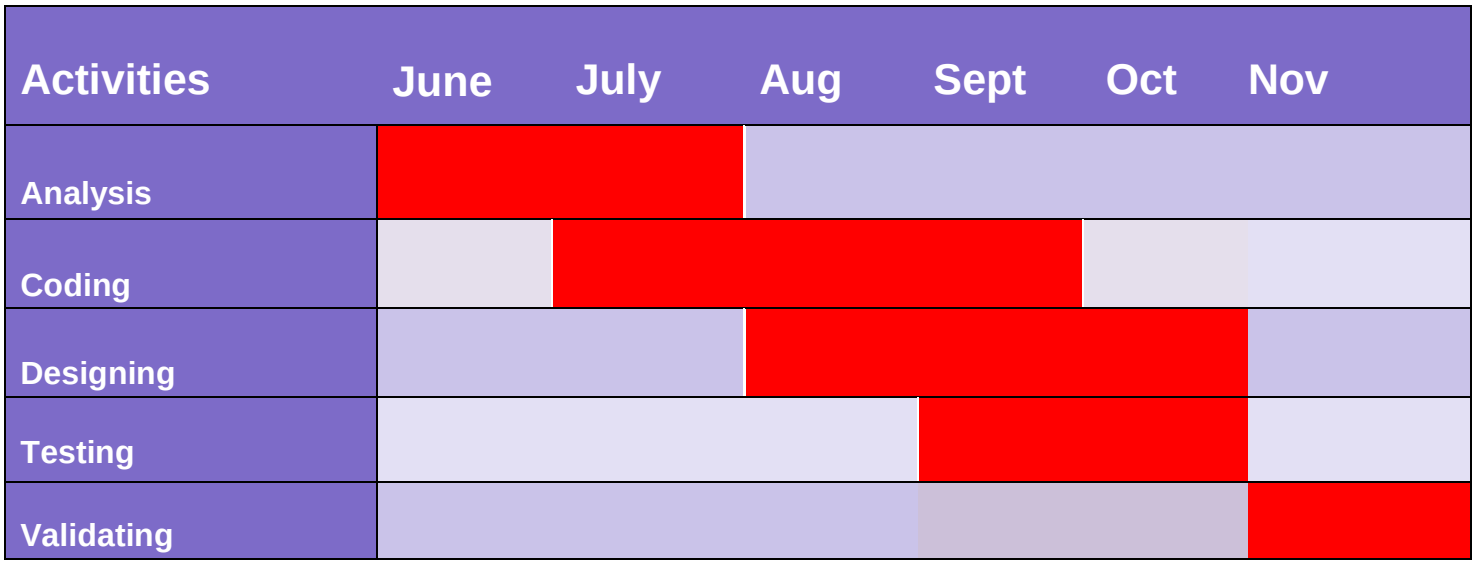
Project Planning

Work Background Structure



(Fig Work Background Structure)

Gantt Chart



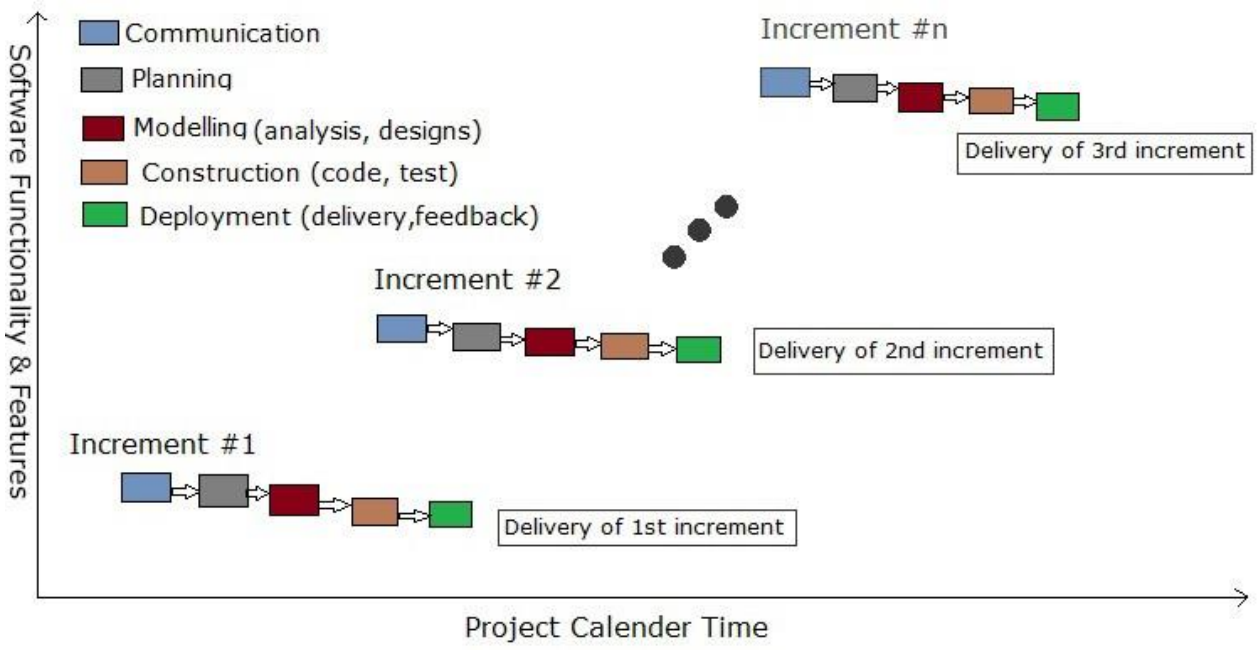
(Fig Gantt chart)

Process Model

We would be following the incremental model because the nature of this system as the requirements are not concrete. Many features can be added after the development of the product which can serves the main purpose. The hardware we use is a little costly for prototyping so we go iteration by iteration and develop the final product.

Incremental Model

- This model is more flexible – less costly to change scope andrequirements.
- It is easier to test and debug during a smaller iteration.
- In this model customer can respond to each built.
- Lowers initial delivery cost.
- Easier to manage risk because risky pieces are identified andhandled during it's iteration.



(Fig – Incremental Model)

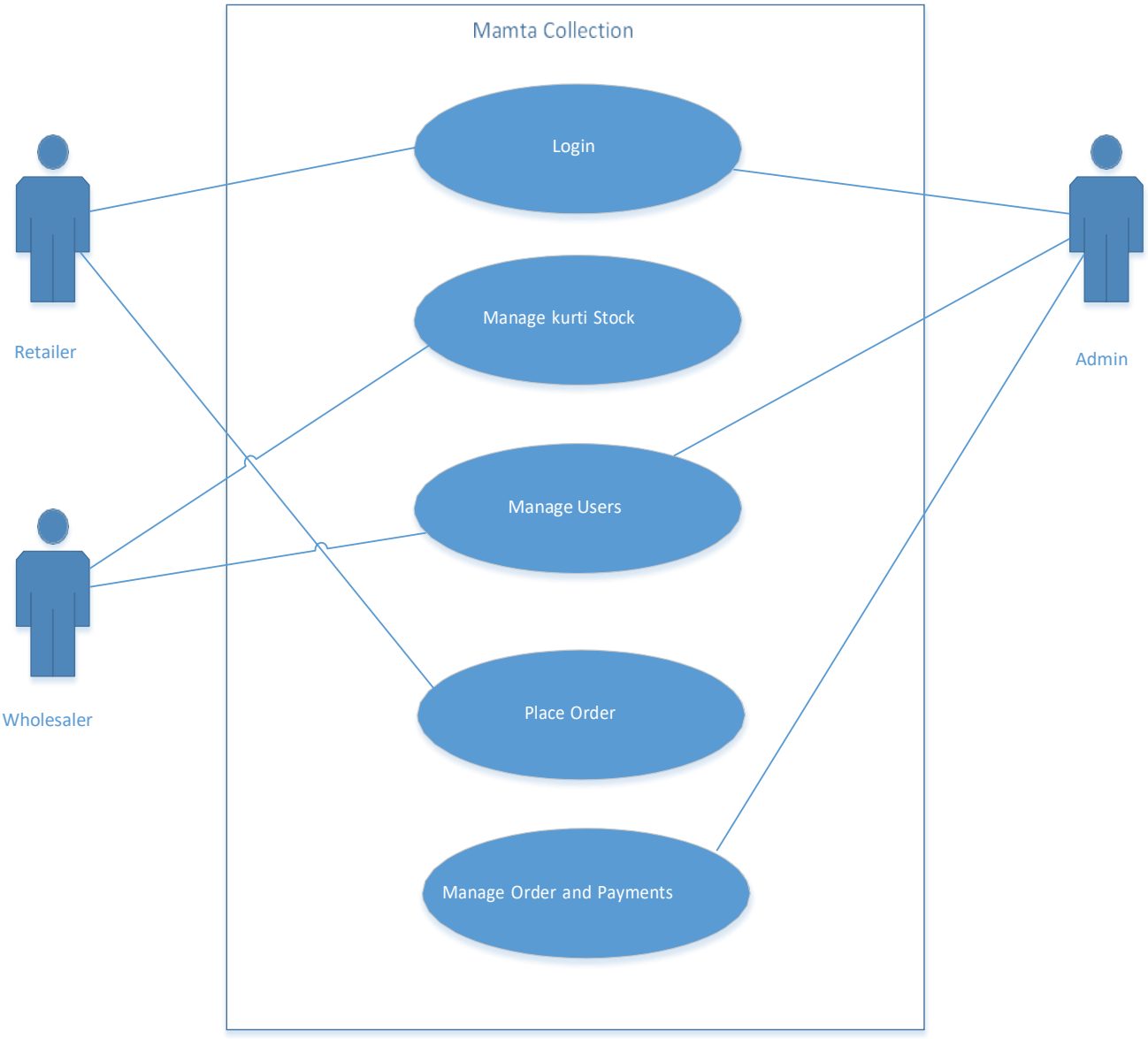
Why it is suitable for our system?

1. Requirement for the complete system are clear.
2. There are chances that some details can be evolved with time.
3. There is need to get the project in market quickly.
4. New technology is being used.

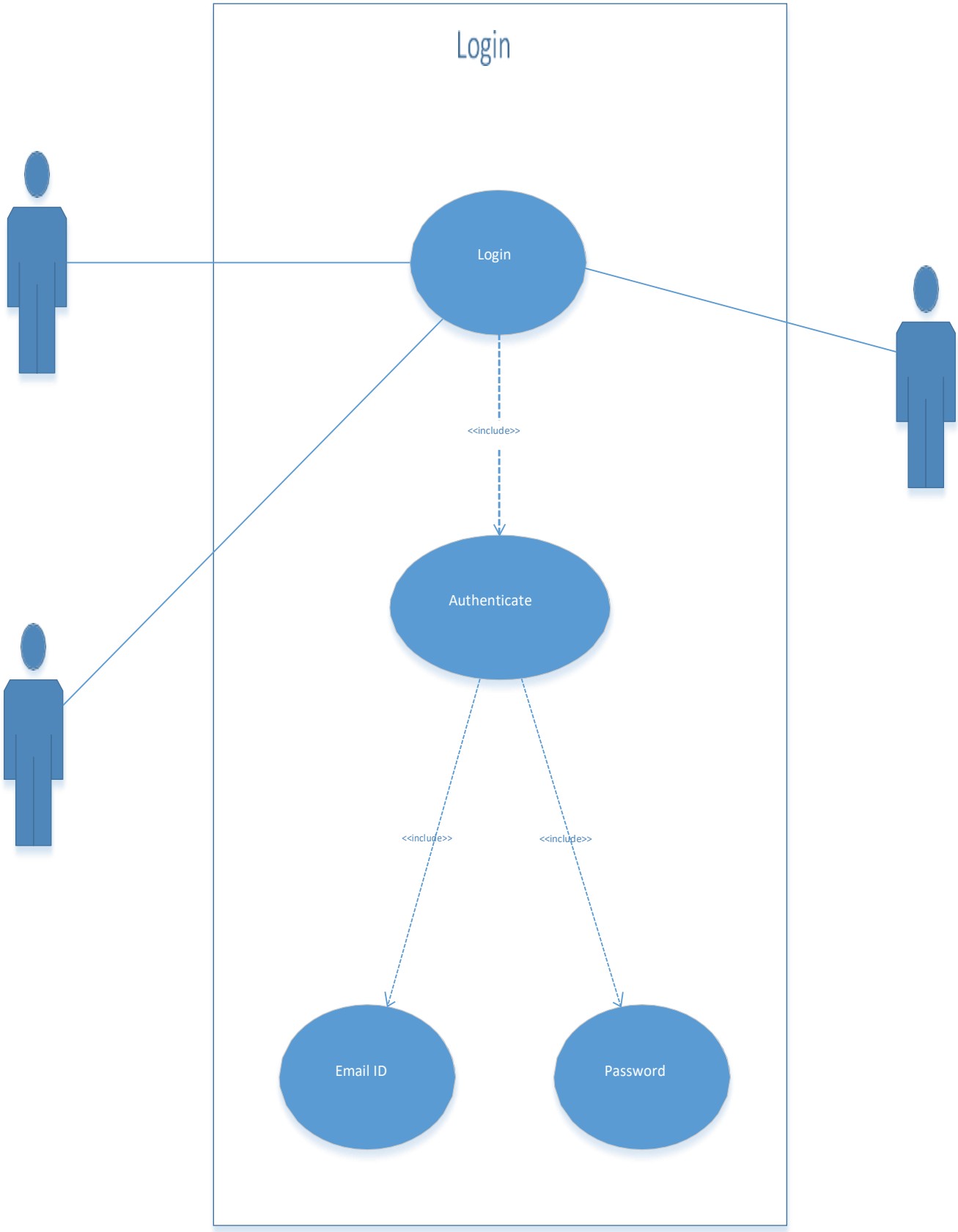
System Analysis And Design

UML Diagram

Use Case

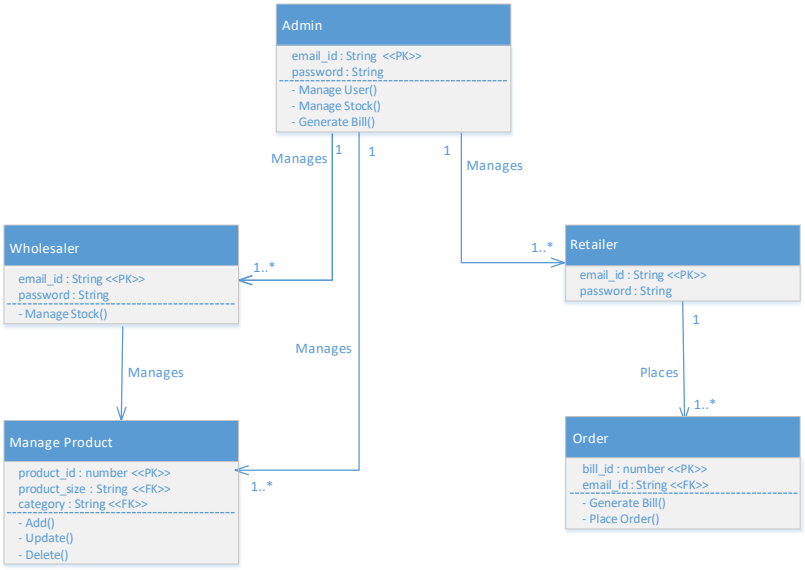


(Fig – Use case of system)



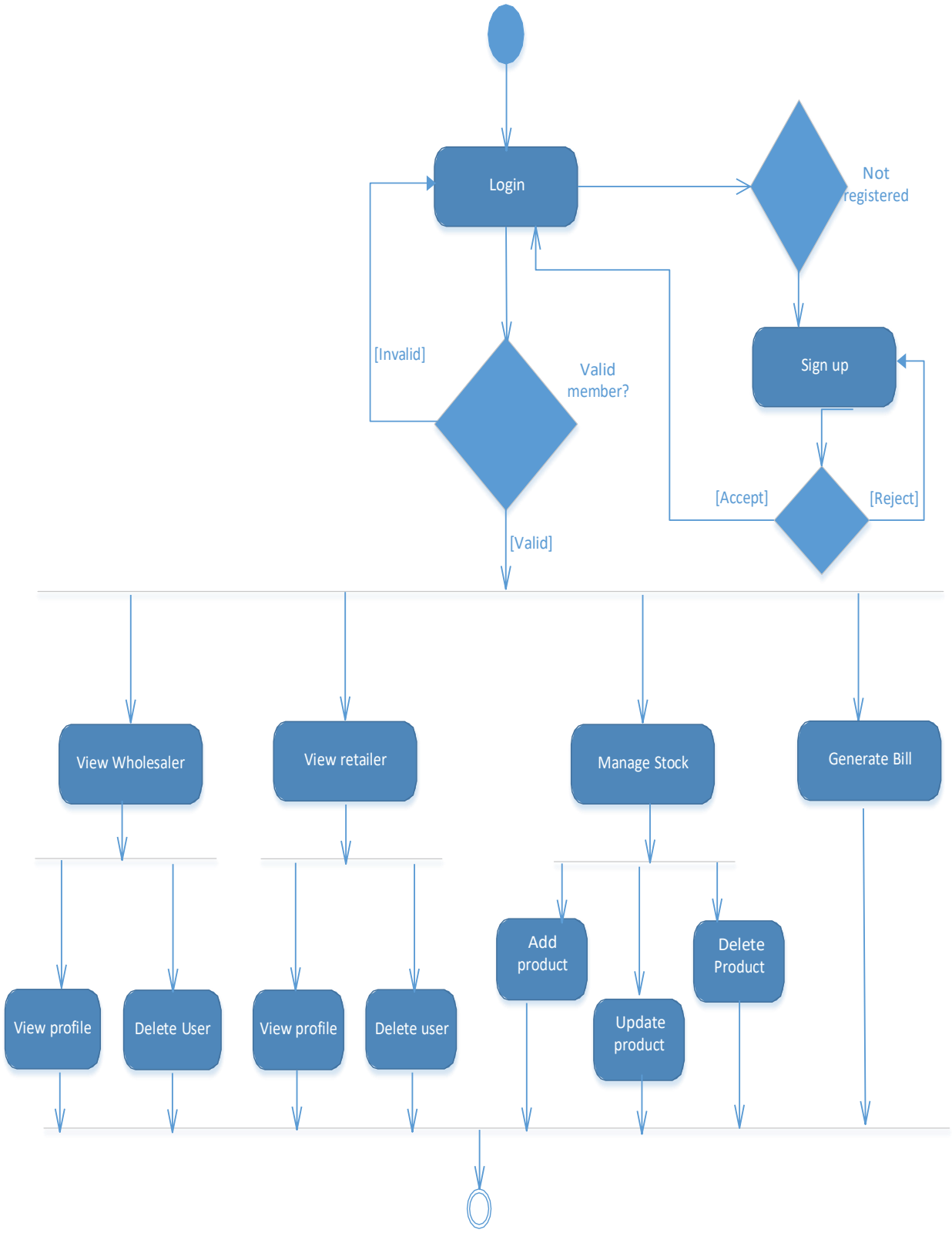
(Fig – Use case of Login)

Class Diagram

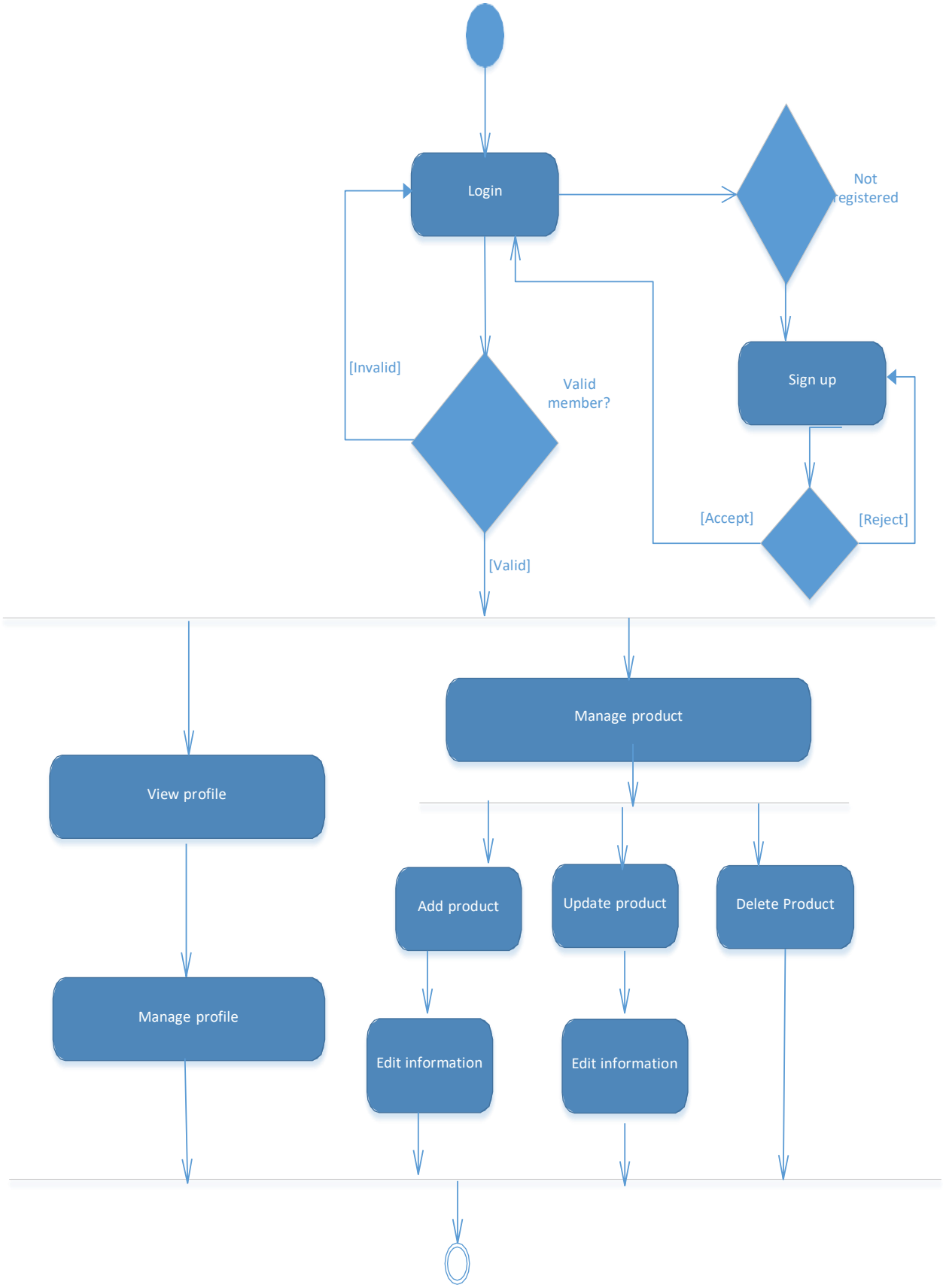


(Fig – Class Diagram)

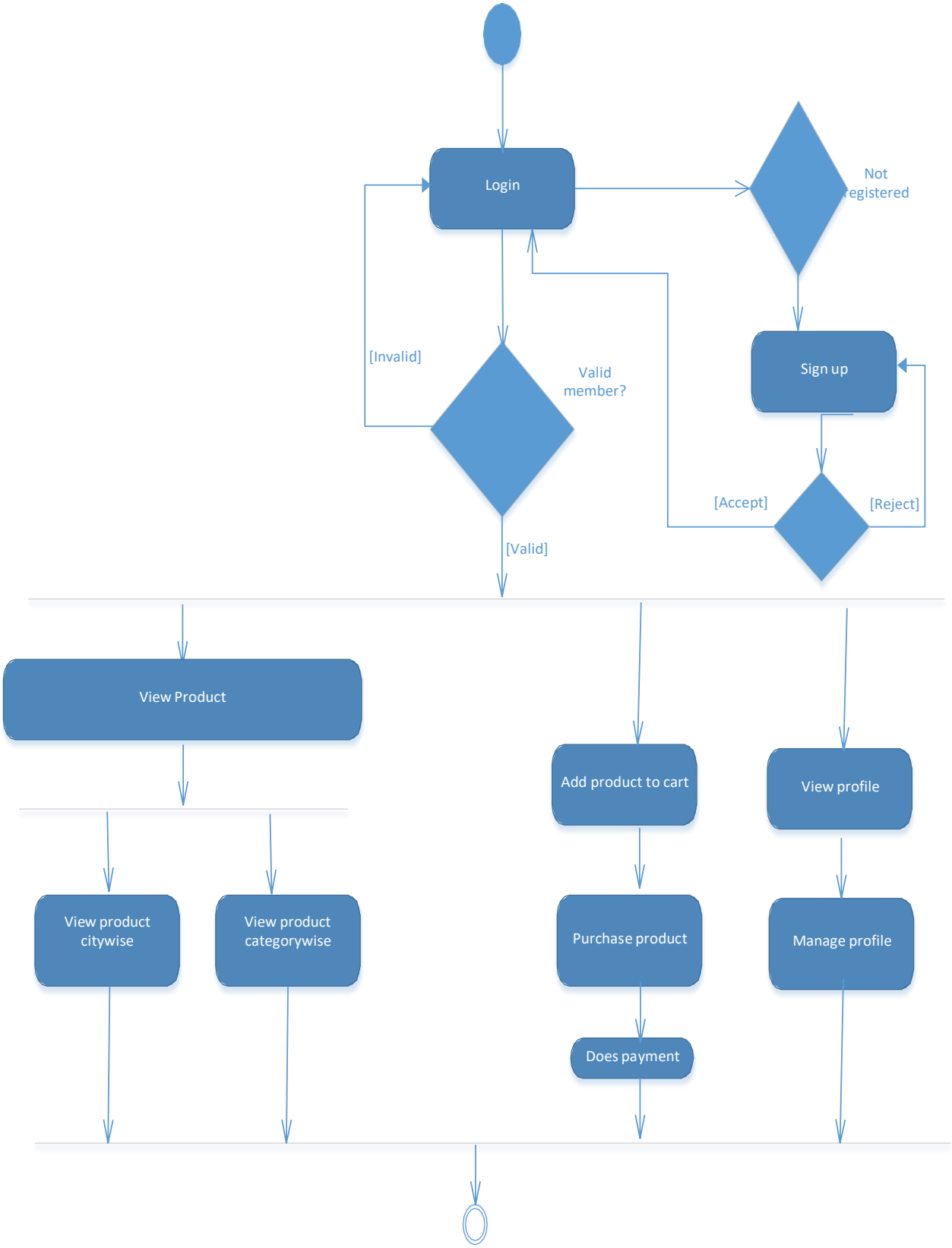
Activity Diagram



(Fig – Activity Diagram for Admin)

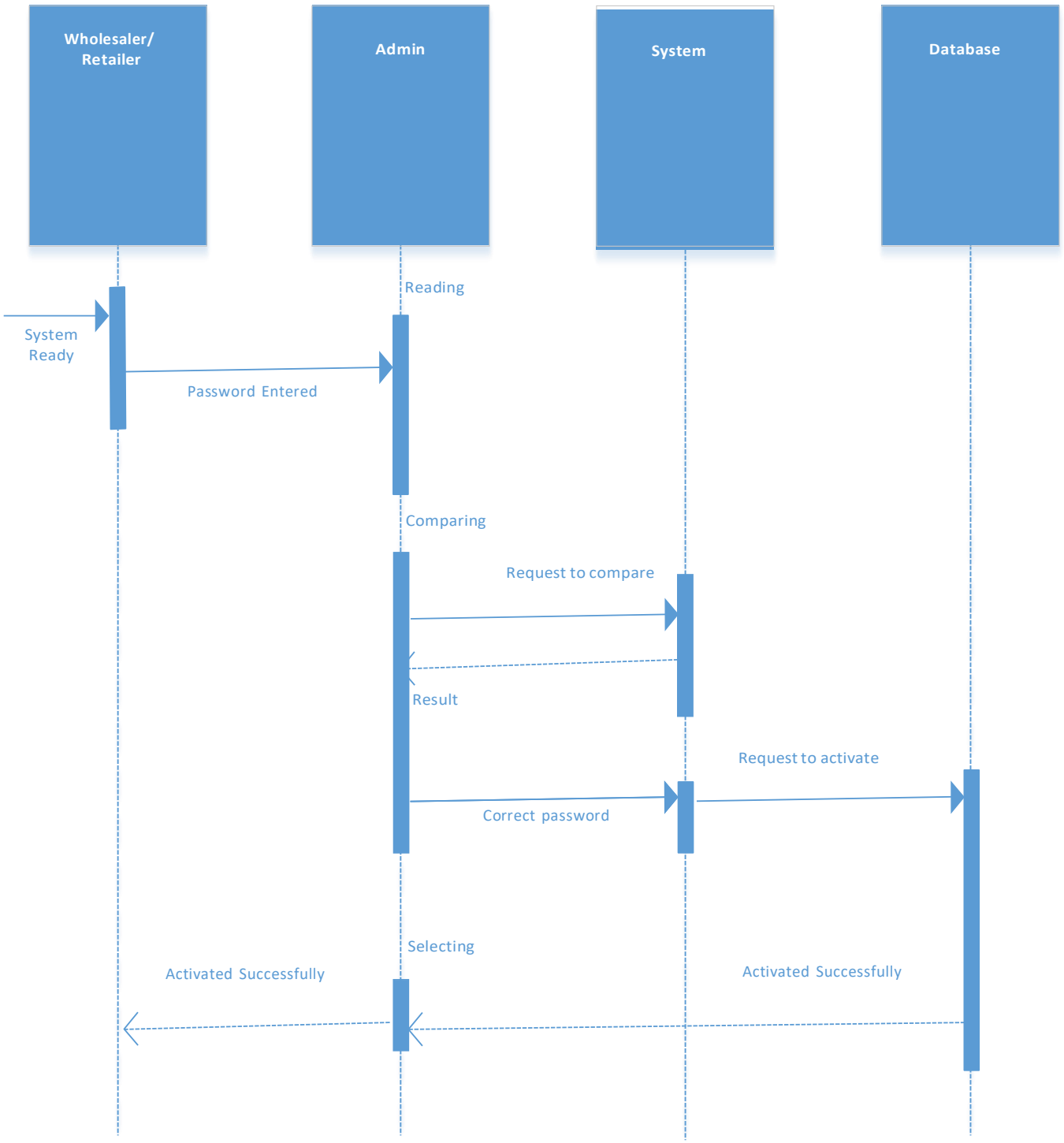


(Fig – Activity Diagram for Wholesaler)

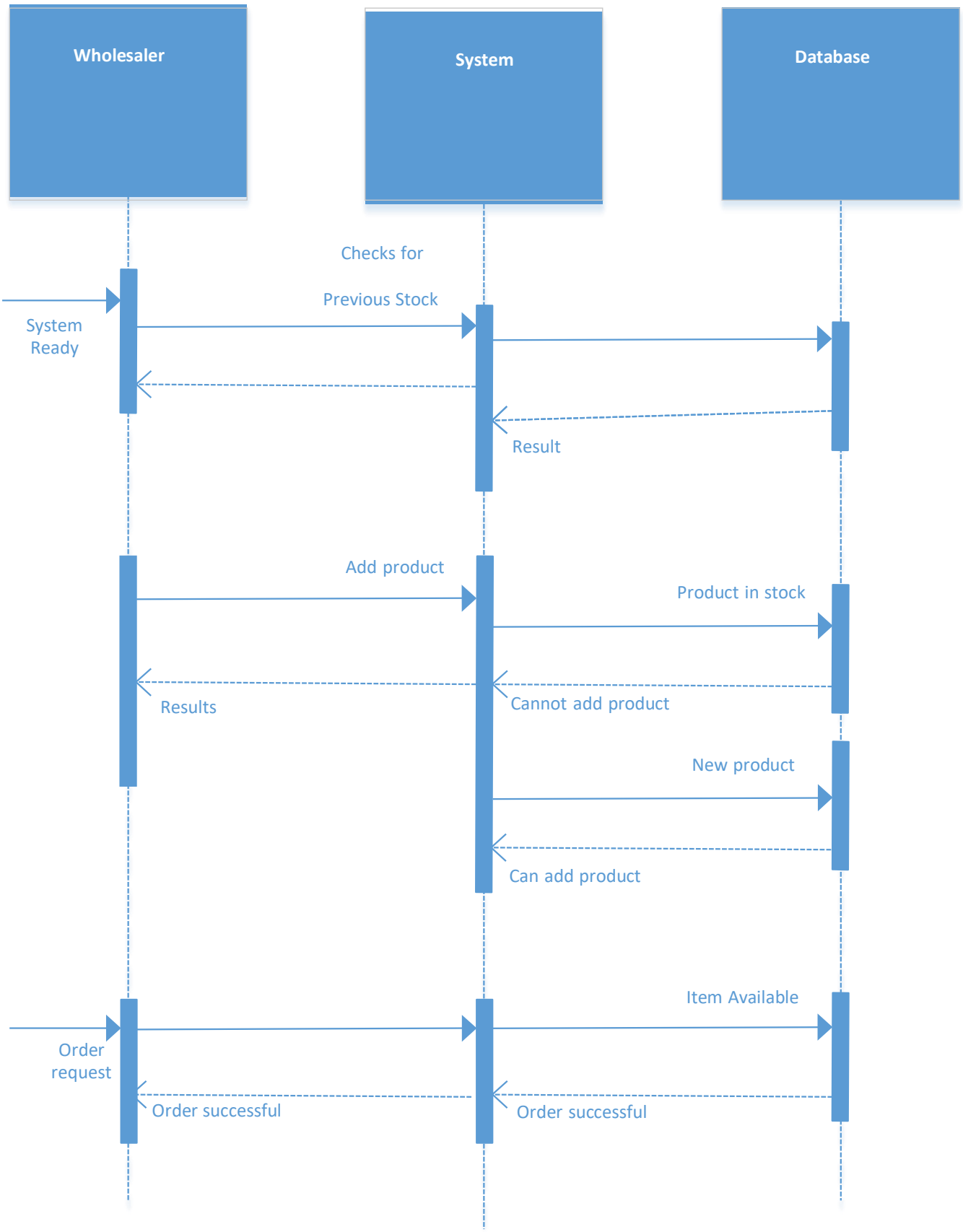


(Fig – Activity Diagram for Retailer)

Sequence Diagram

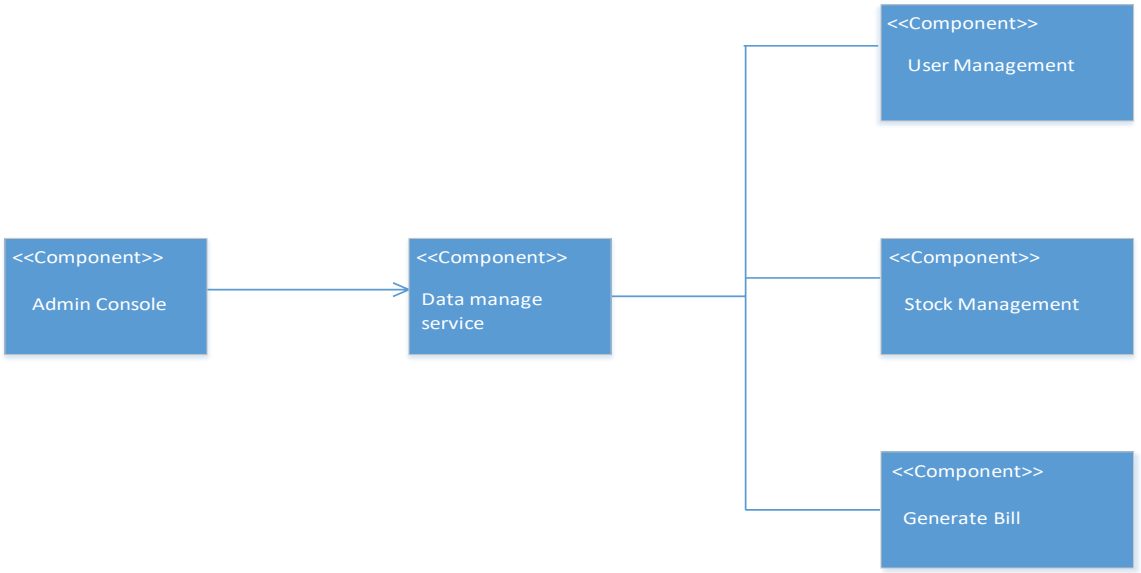


(Fig – Sequence diagram for Login)

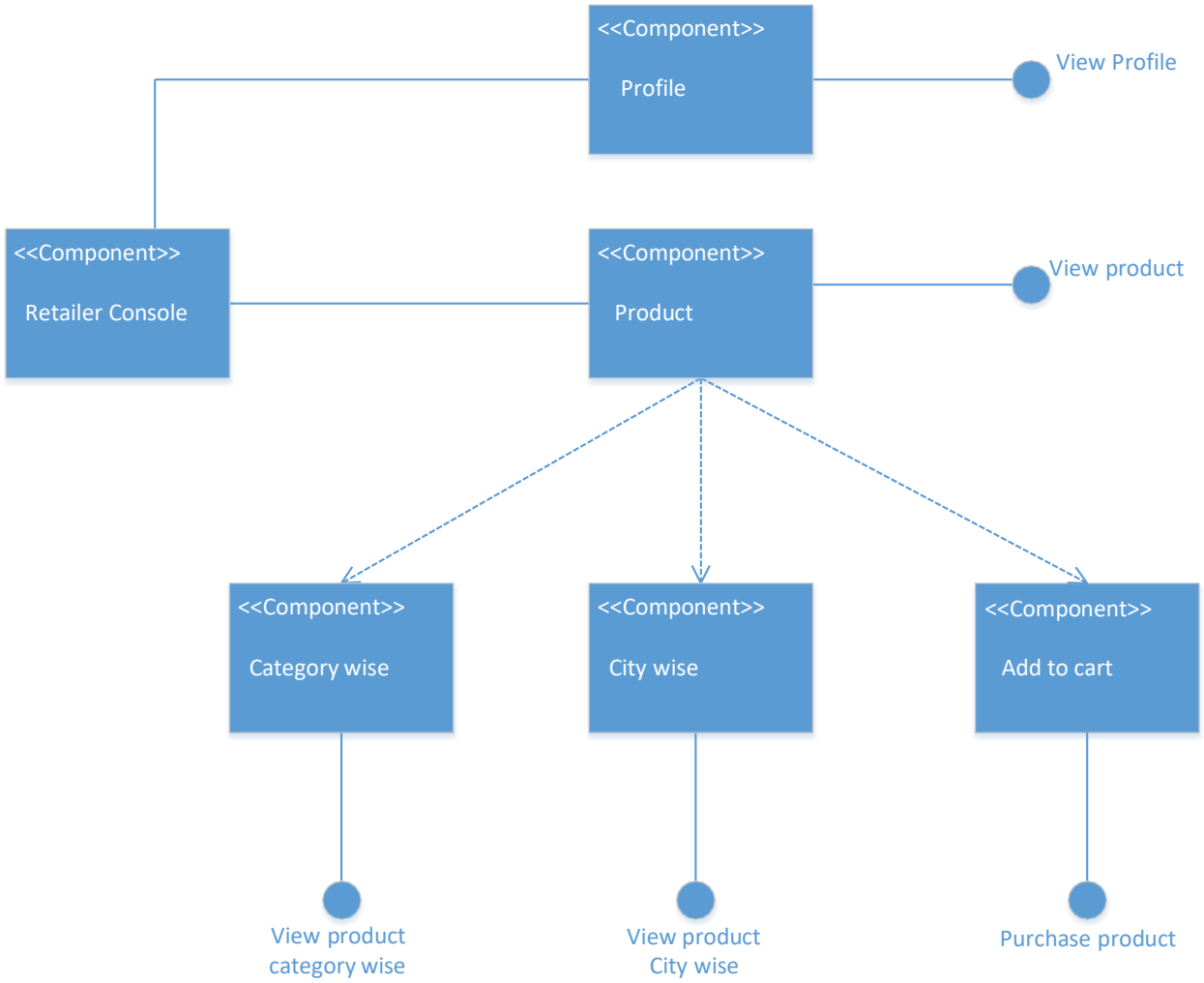


(Fig – Sequence diagram for add product and accept order)

Component Diagram



(Fig – Admin console)



(Fig – Retailer console)

Data Dictionary

User Table

Table name: User Table

Description: Information about users of the system

Primary key: User ID

Fields	Data-Type	Constrains	Remark	Description
Email_id	Varchar(255)	Primary Key	-	User's Email_id
Password	Varchar(50)	Not Null	-	User's Password
User_name	Varchar(32)	-	-	User's Name
Mobile_no	Varchar(13)	-	-	User's Mobile_no
User_type	Varchar(10)	-	-	User's Type
City	Varchar(32)	-	-	User's city
Address	Varchar(100)	-	-	User's Address

Product Table

Table name: Product Table

Description: Information about All Products

Primary key: Product_id

Fields	Data-Type	Constrains	Remark	Description
Product_id	Int(11)	Primary Key	-	Product's_id
Product_image	Varchar(200)	Not Null	-	Product's_image
Fk_cat_id	Int(11)	-	-	Product's Category
Fk_brand_id	Int(15)	-	-	Product's Brand Id
Product_qty	Int(11)	-	-	Product's Qauntity
Product_color	Varchar(30)	-	-	Product's Color
Product_size	Varchar(20)	-	-	Product's Size

Product_price	Number	-	-	Product's Price
Fk_user_id	Varchar(50)	-	-	Product User
Date	Date	-	-	Date

Temp_Product Table

Table name: Temp Product Table

Description: Its contain all wholesaler temporary products,than this product added into product_table with 2% discount.

Primary key: Product_id

Fields	Data-Type	Constrains	Remark	Description
Product_id	Int(11)	Primary Key	-	Product's_id
Product_image	Varchar(200)	Not Null	-	Product's_image
Fk_cat_id	Int(11)	-	-	Product's Category
Fk_brand_id	Int(11)	-	-	Product's Brand Id
Product_qty	Int(11)	-	-	Product's Qauntity
Product_color	Varchar(20)	-	-	Product's Color
Product_size	Varchar(20)	-	-	Product's Size
Product_price	Int(11)	-	-	Product's Price
Fk_user_id	Varchar(50)	-	-	Product User
Date	Date	-	-	Date

Category_Table

Table name: Category_table

Description: Information about category

Primary key: Category_id

Fields	Data-Type	Constrains	Remark	Description
Category_id	Auto_Number	Primary Key	-	Category's_id
Category_name	Varchar(50)	Not Null	-	Category's_name

Bill Table

Table name: Bill_table

Description: Information about All Bill

Primary key: Bill_no

Fields	Data-Type	Constrains	Remark	Description
Bill_no	Auto_Number	Primary Key	-	Bill's_no
Bill_Amt	Int(11)	-	-	Bill's_amt
Fk_user_id	Varchar(50)	-	-	User's_name
Date	Date	-	-	Date

Bill_Details Table

Table name: Bill_Details Table

Description: Detail description about all bill

Fields	Data-Type	Constrains	Remark	Description
Fk_bill_no	Int(11)	-	-	Bill's no
Fk_bill_amt	Int(11)	-	-	Bill's amount
Fk_product_id	Int(11)	-	-	Puchased Product id
Purchase_pro_qty	Int(11)	-	-	Product Quantity

Brand Table

Table name: Brand Table

Description: Information about All Brands

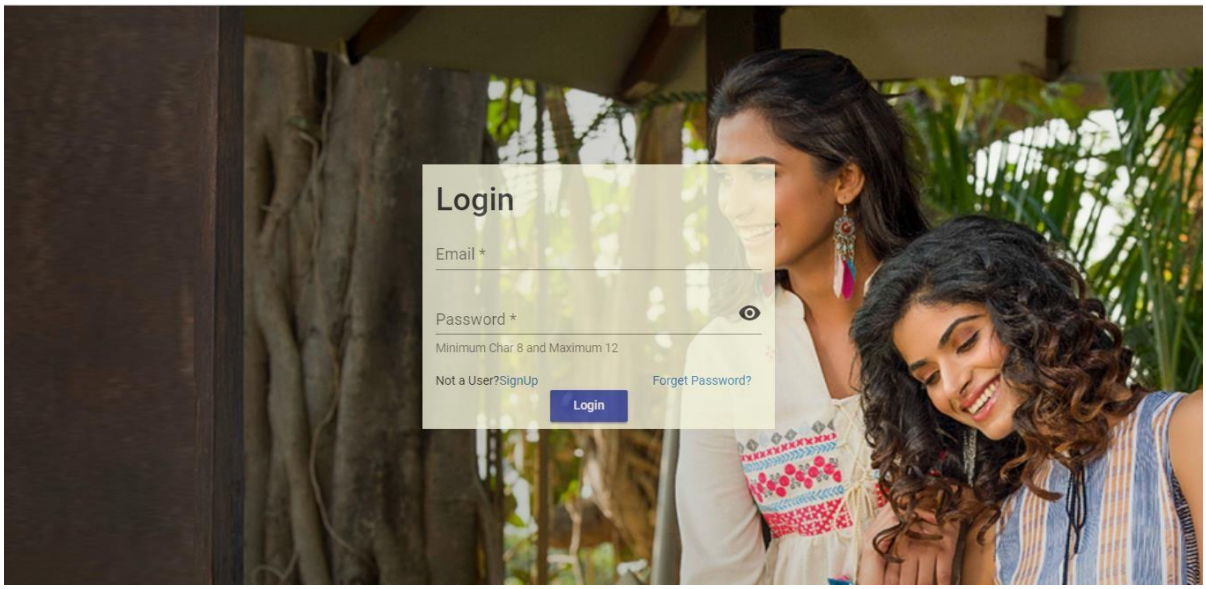
Primary key: Brand_id

Fields	Data-Type	Constrains	Remark	Description
Brand_id	Auto_Number	Primary Key	-	Brand's_id
Brand_name	Varchar(50)	-	-	Brand's_name
Brand_logo	Varchar(200)	-	-	Brand's_image

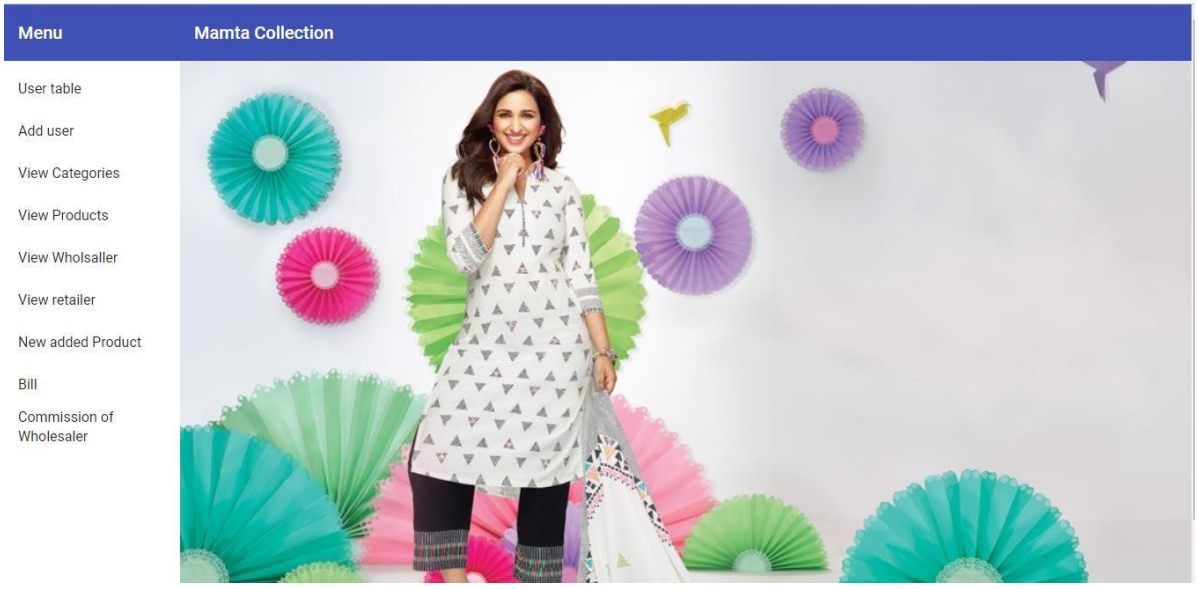
Input/Output Design

1.Admin Side

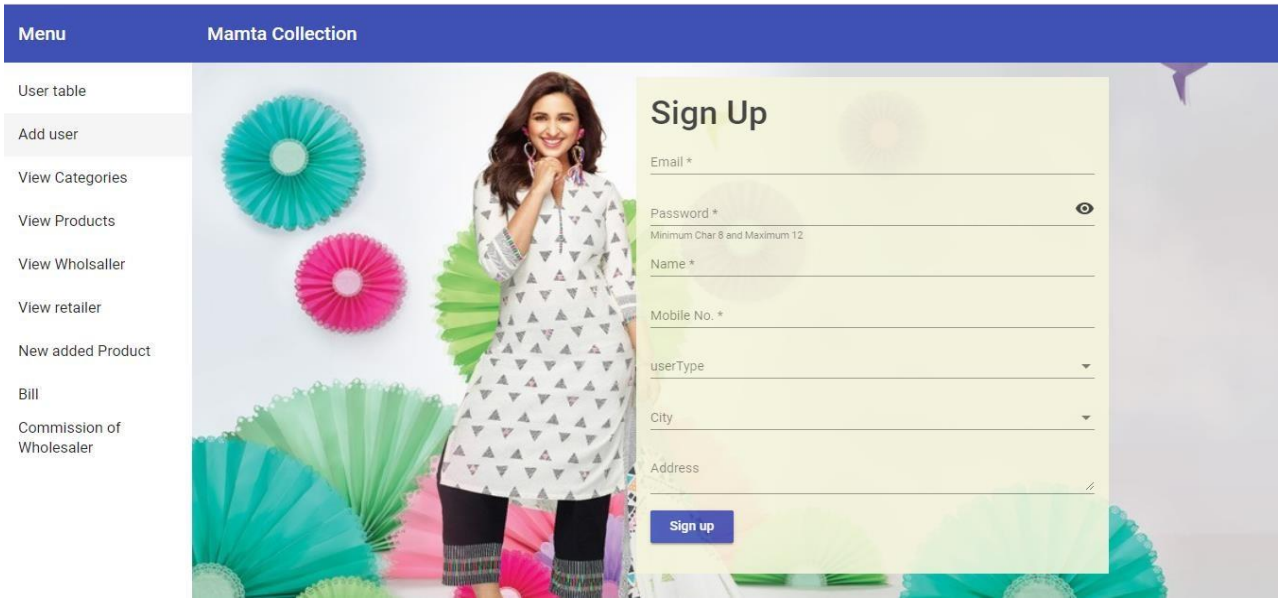
Description: This first page of the system is login.



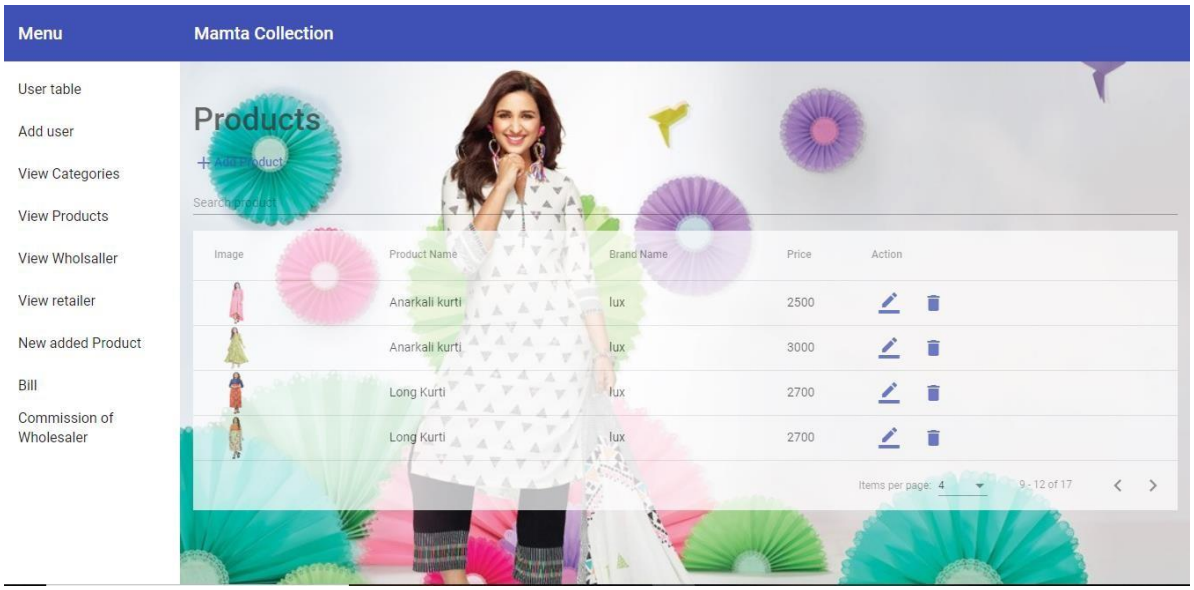
Description: This is the first page after the login page.



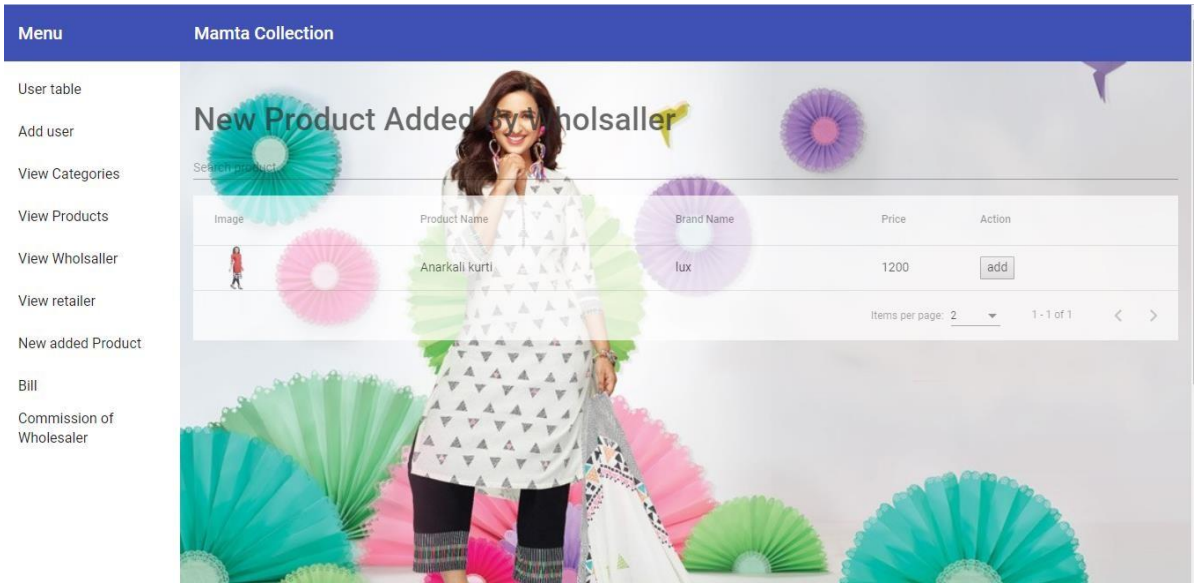
Description: This is the SignUp page.



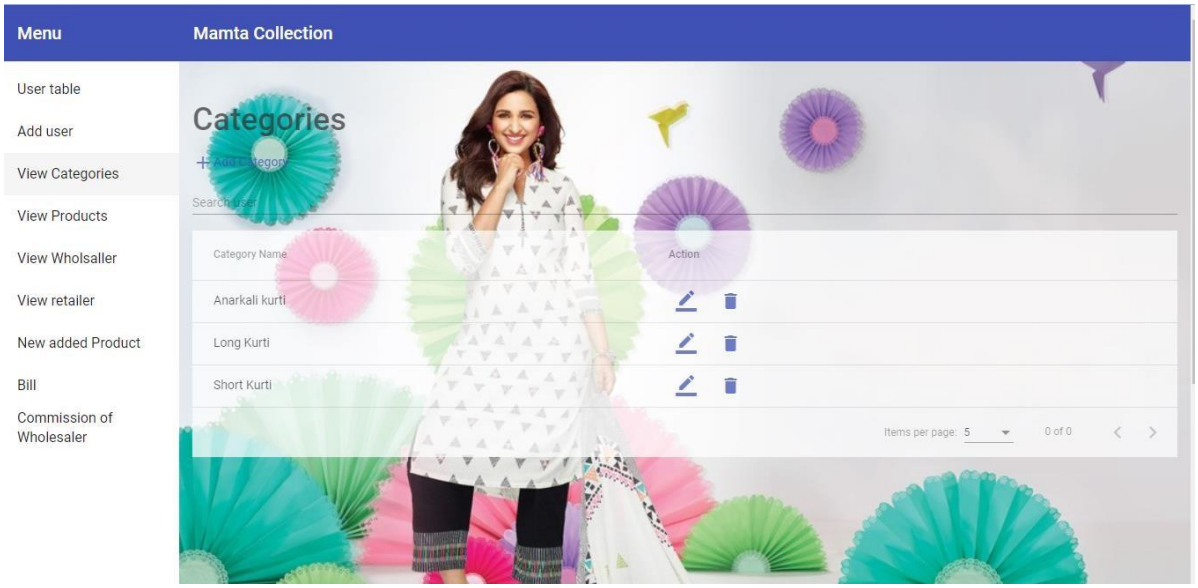
Description: This is the Product page.



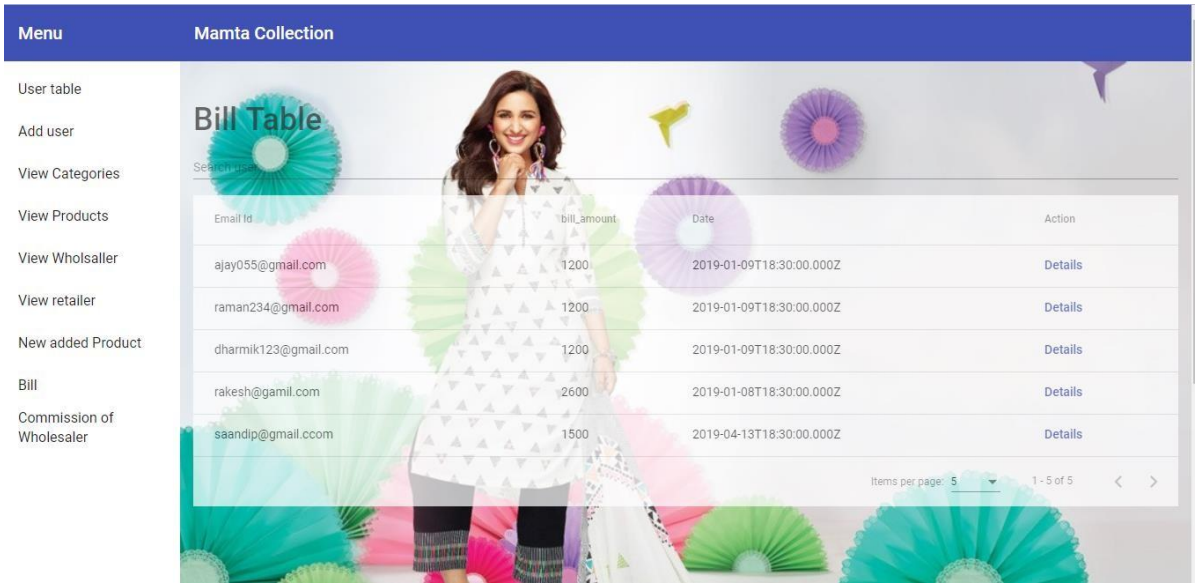
Description: This is the Newly added Product page by wholesaler.



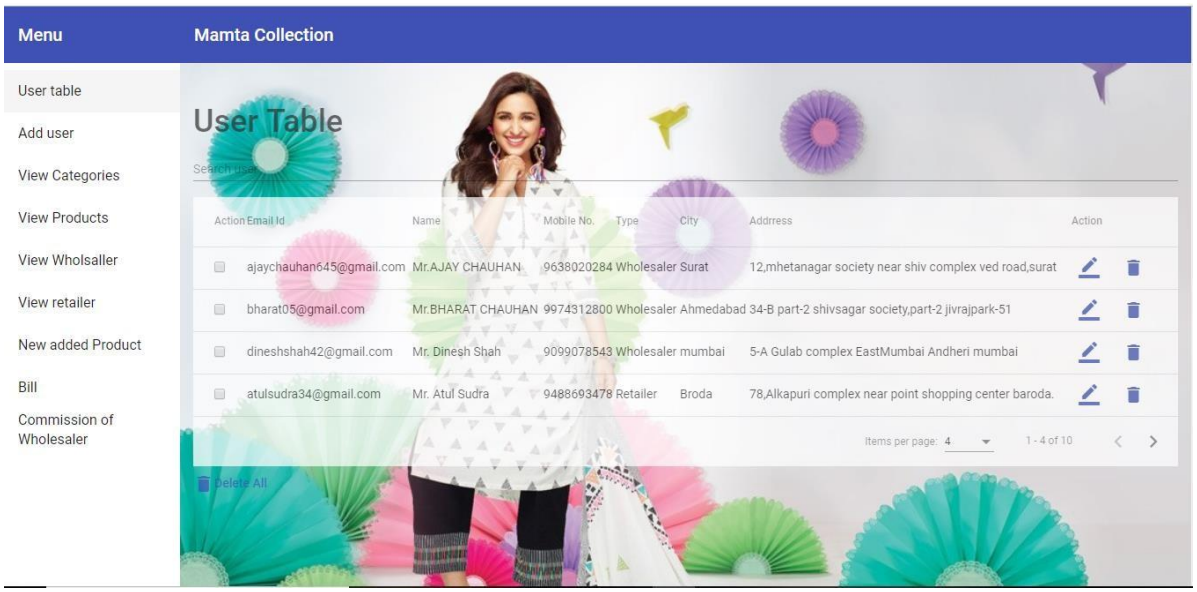
Description: This is the categories page.



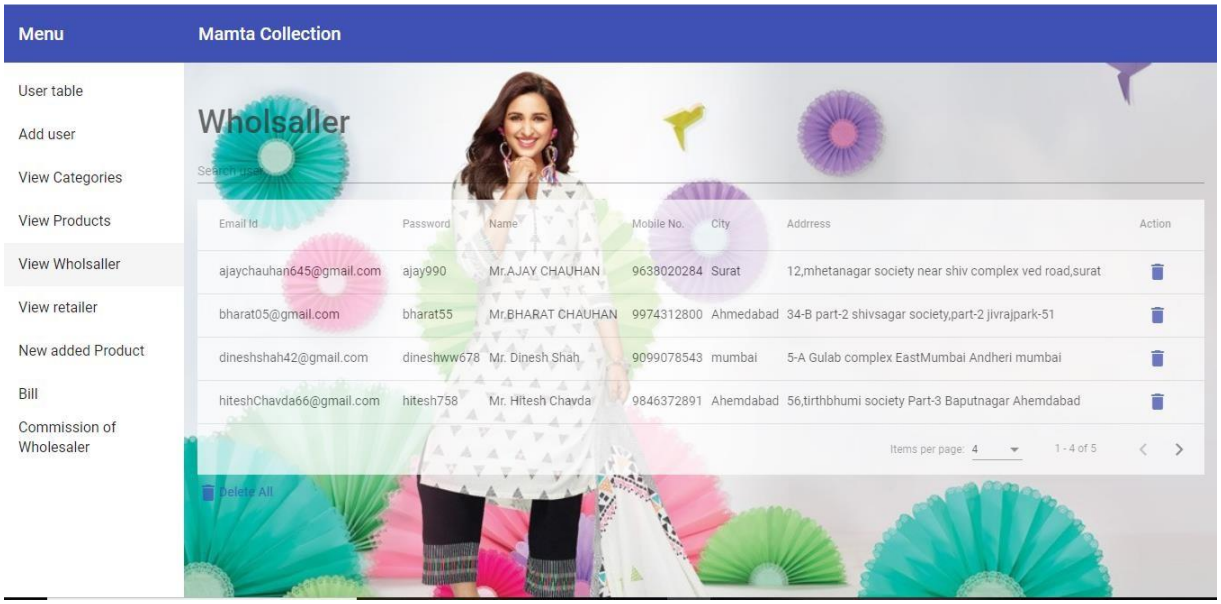
Description: This is the Bill display page.



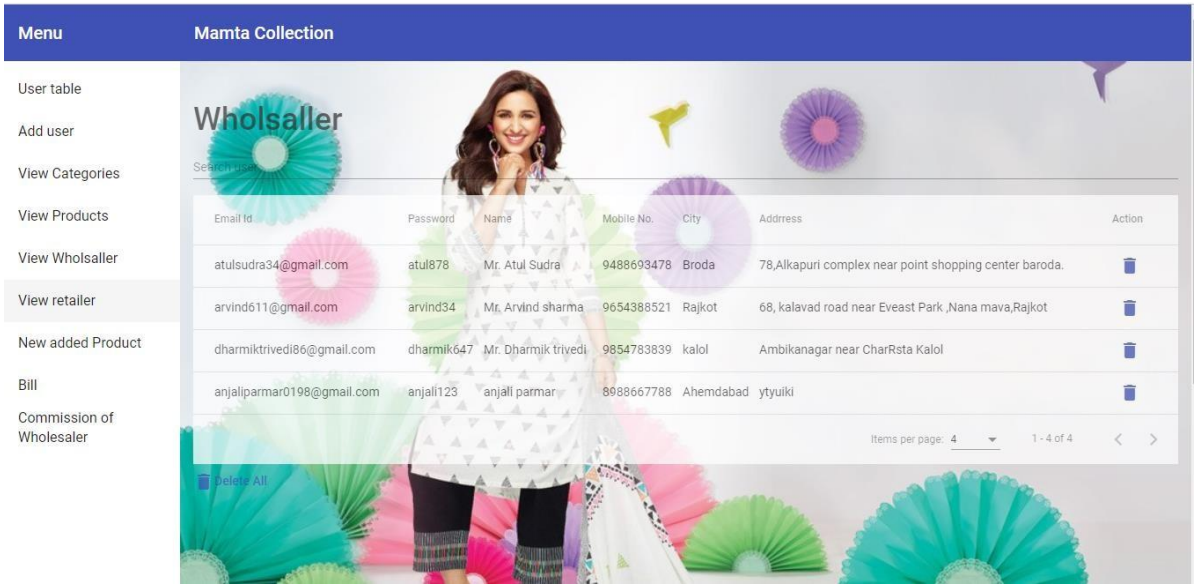
Description: This is the User display page.



Description: This is the Wholesaler page.

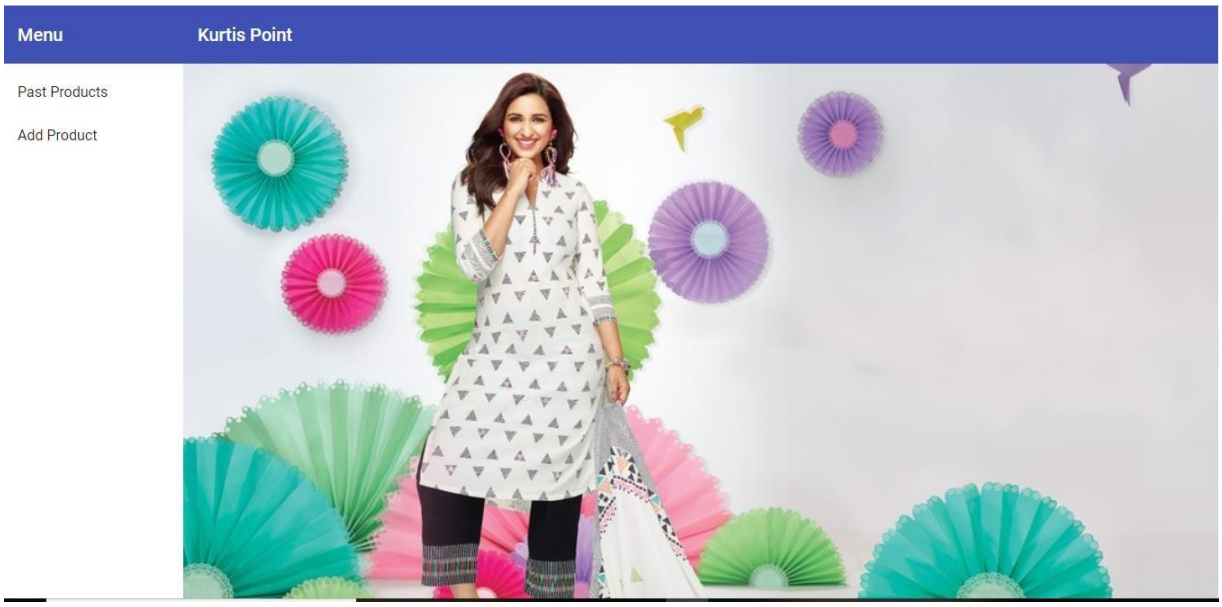


Description: This is the Retailer page.

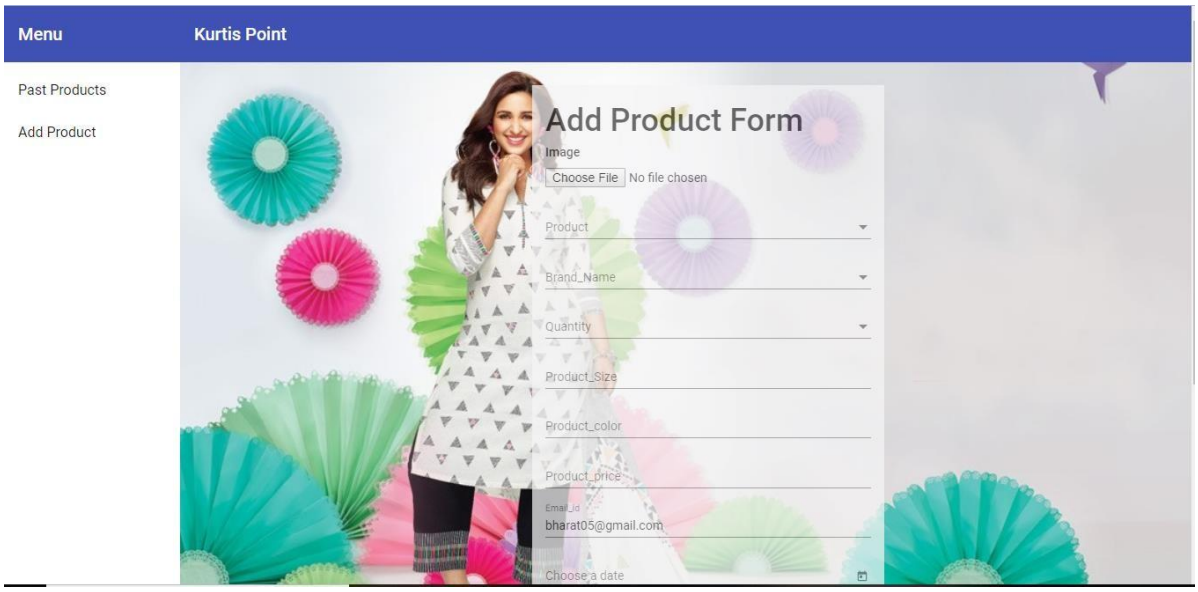


Wholesaler Side:

Description: This is the First page of wholesaler side.

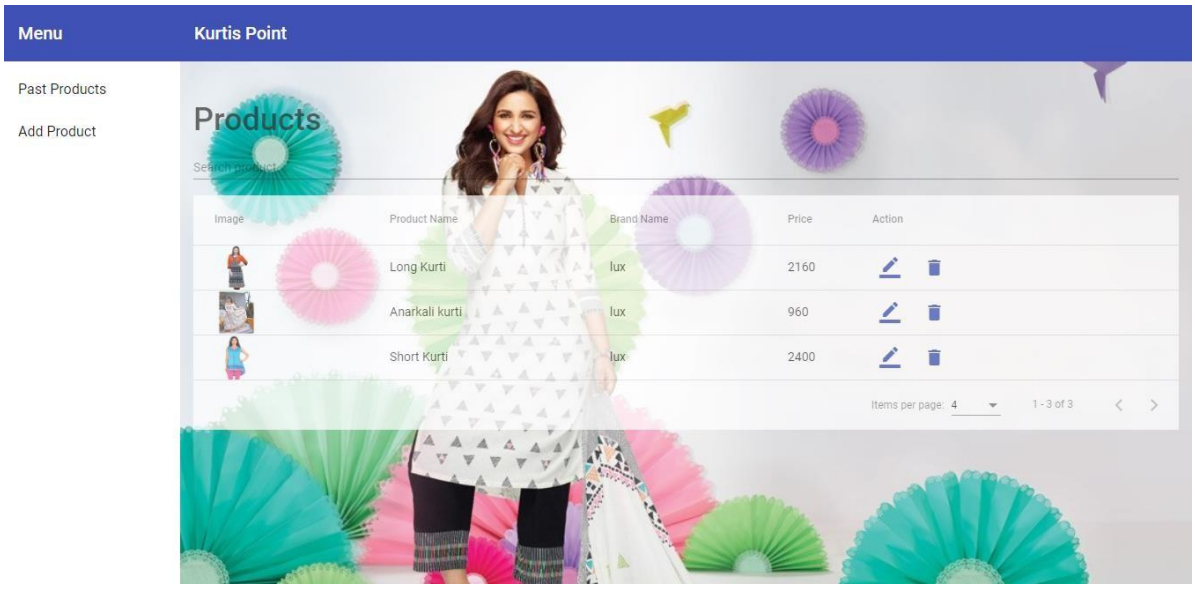


Description: This is the Add product of wholesaler side.



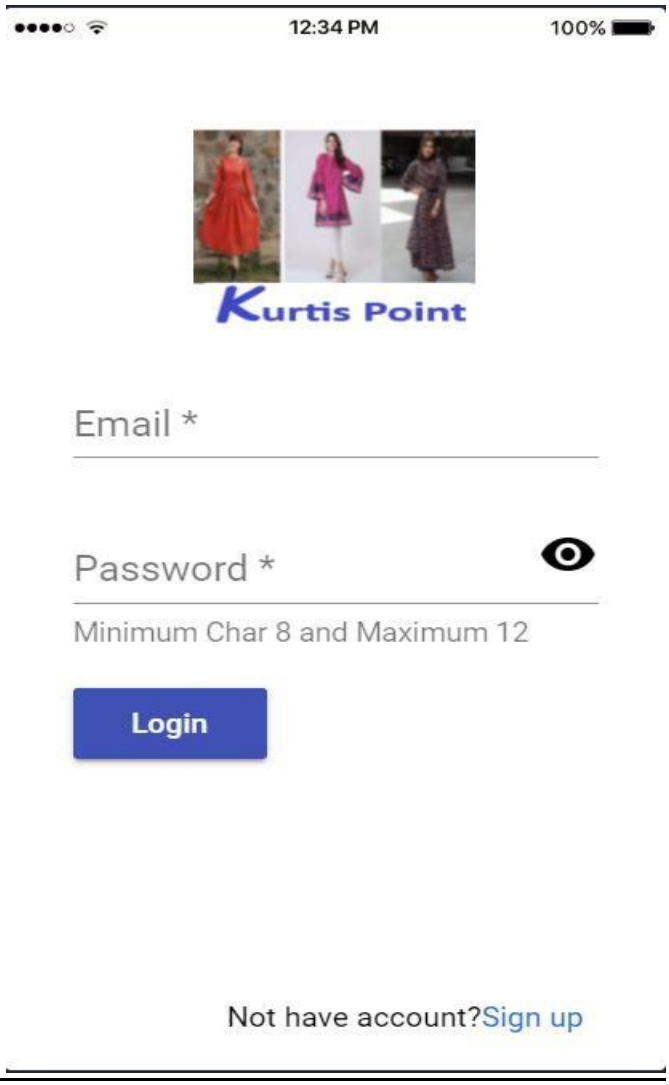
Description: This is the Edit product of wholesaler side.

Description: This is the Past product of wholesaler side.

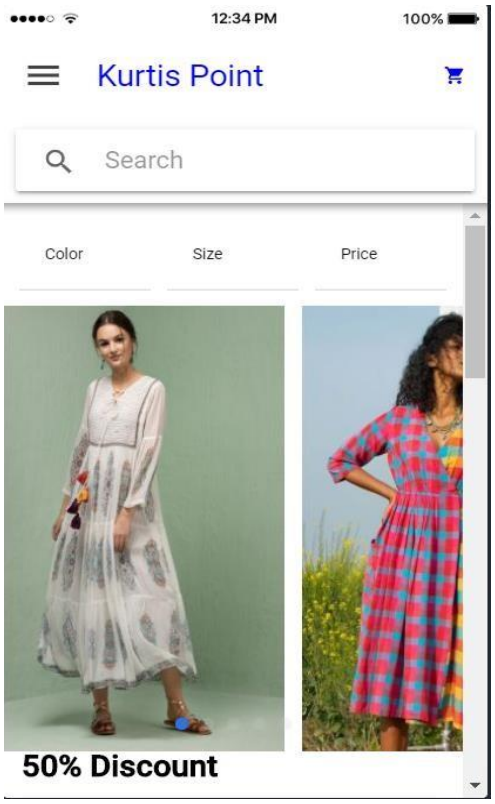


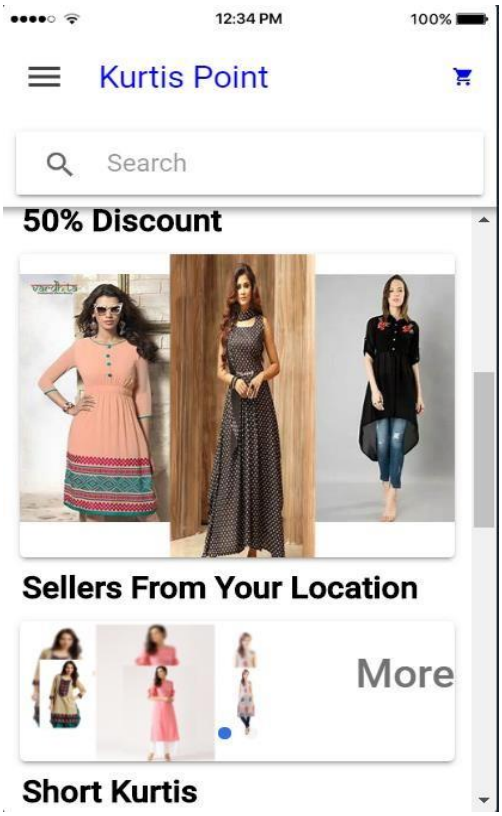
User Side:

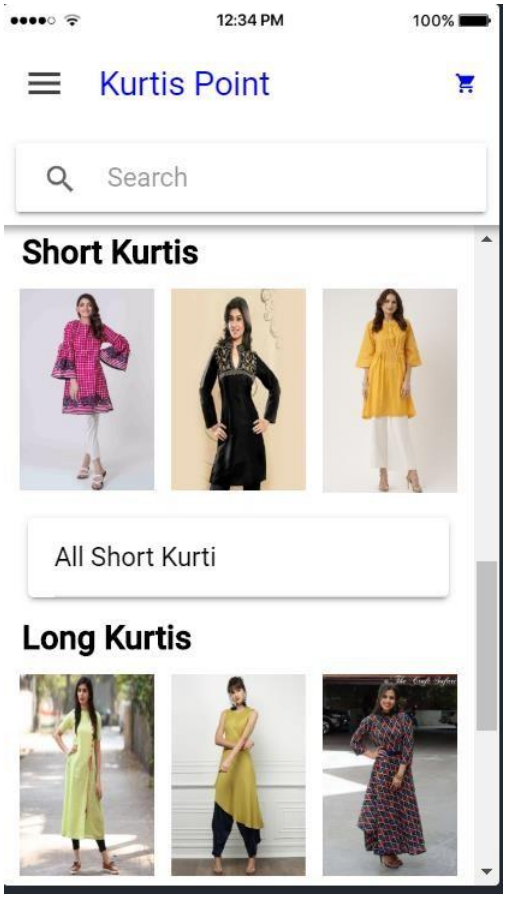
Description: This is the login page of user side.

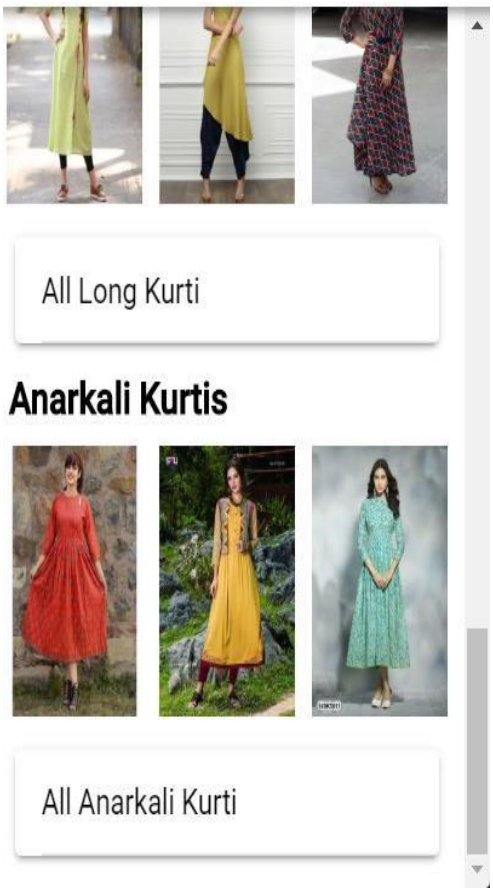


Description: This is the home page of user side.

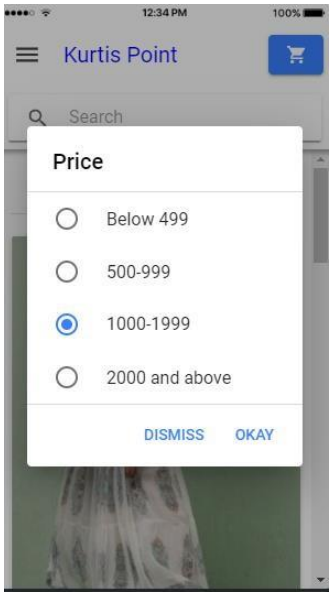




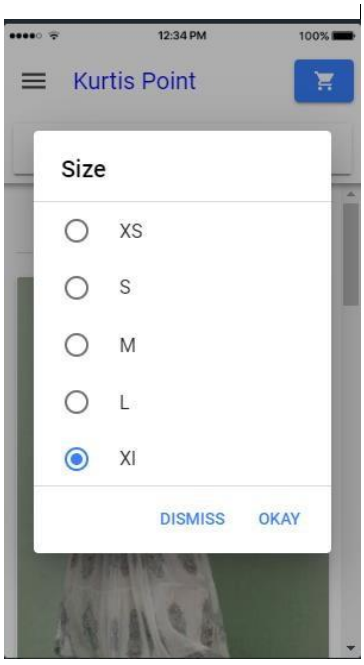




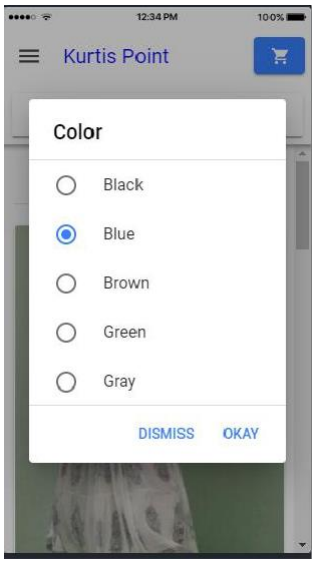
Description: This is the price page of user side.



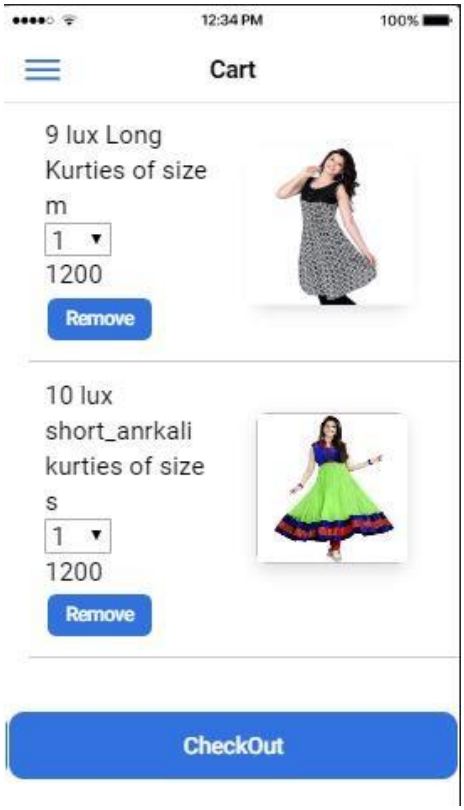
Description: This is the size page of user side.



Description: This is the color page of user side.

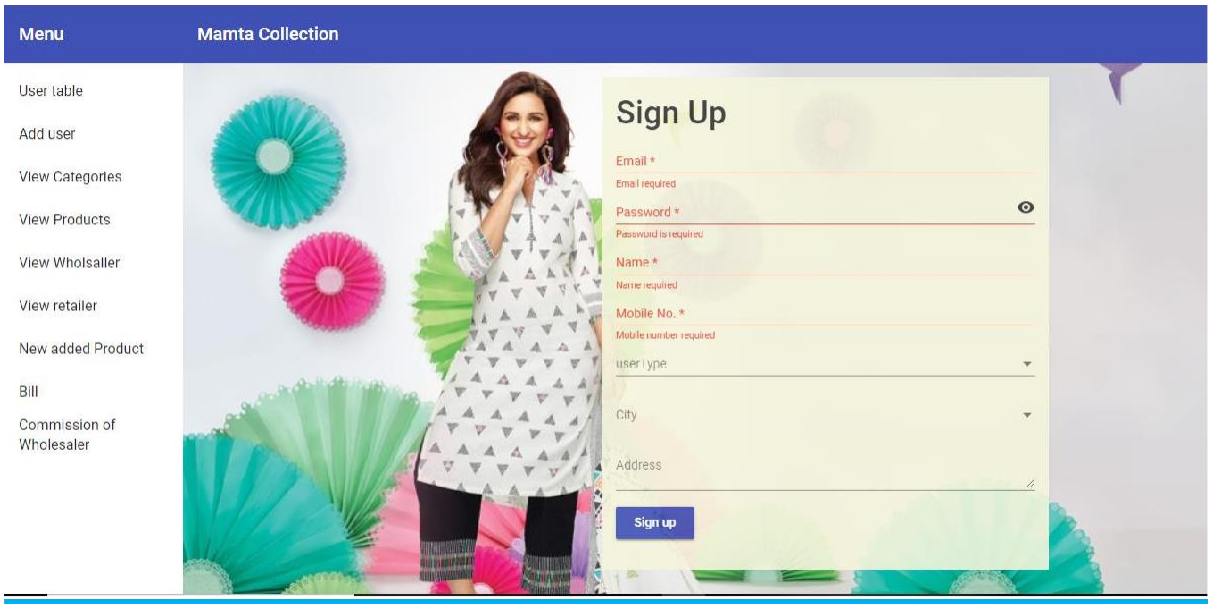


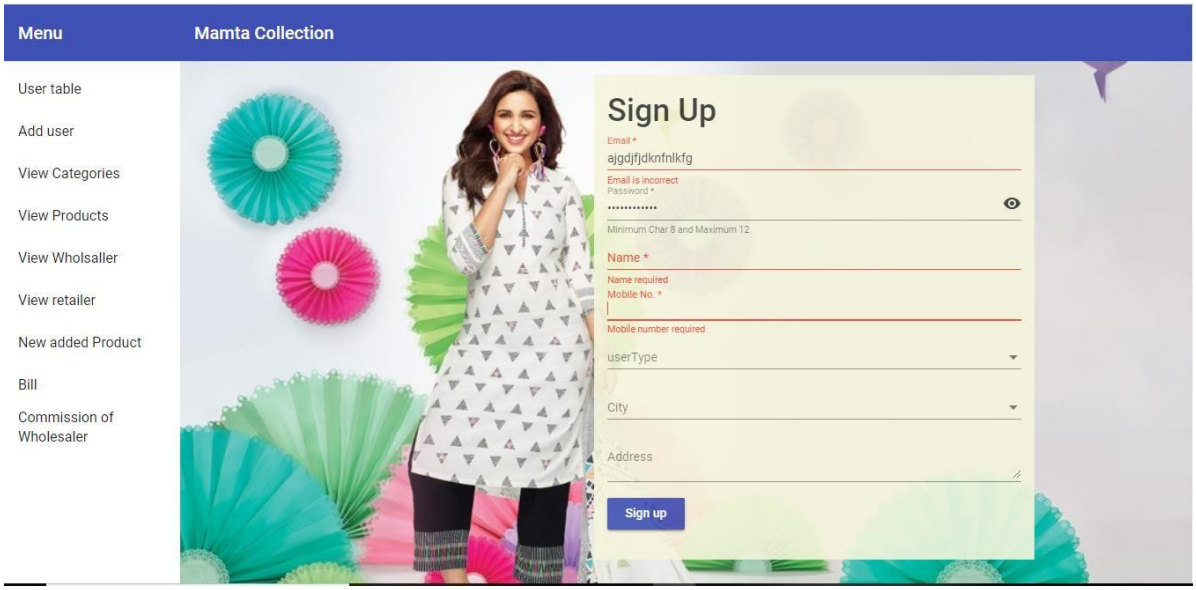
Description: This is the cart page of user side.



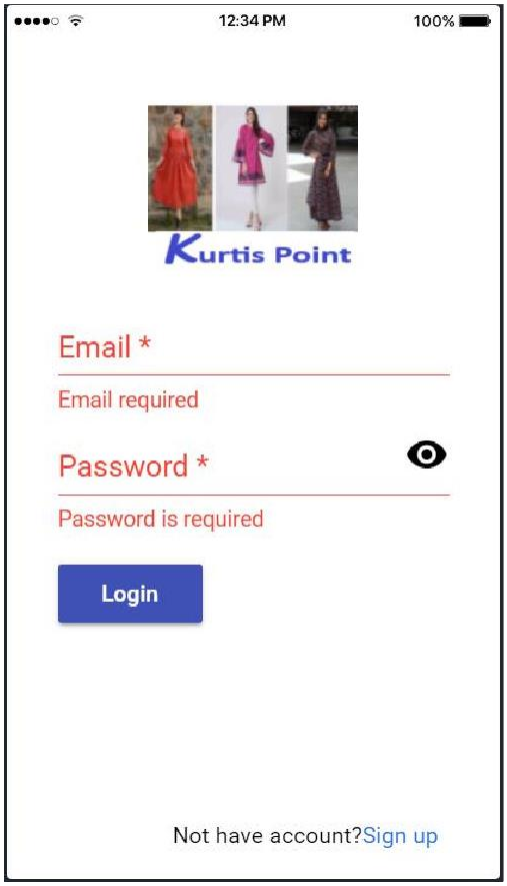
Testing

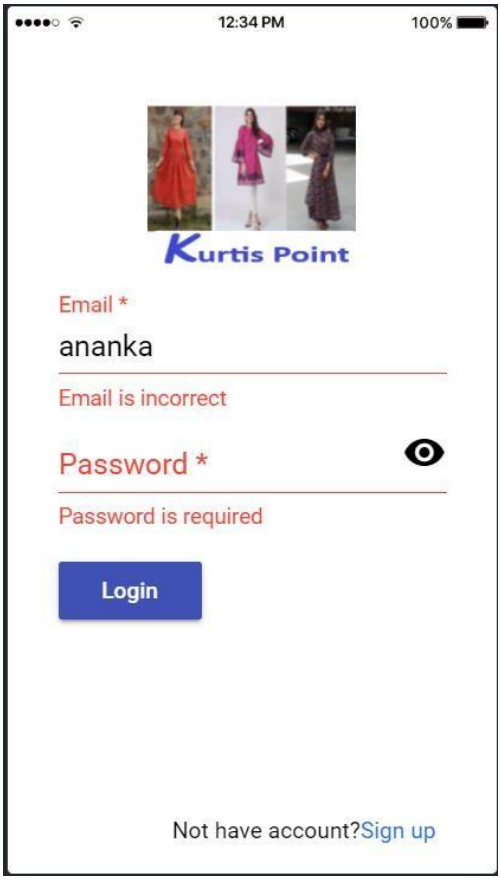
Description: This is the signup validation.





Description: This is the login validation.





Coding

```
var express = require('express');
var router = express.Router();

var cart=require('../models/cart_model');

router.get('/',function(req,res,next){
    cart.getAllItems(function(err,rows){
        if(err){
            res.json(err);
        }
        else{
            res.json(rows);
        }
    });
});


router.get('/:user_id',function(req,res,next){
    cart.getByUserId(req.params.user_id,function(err,rows){
        if(err){
            res.json(err);
        }
        else{
            res.json(rows);
        }
    });
});

router.post('/',function(req,res,next){
    cart.addToCart(req.body,function(err,rows){
```

Description: This is the category router module.

```
var product={
    getAllProduct:function(callback){
        return db.query("select * from product_table",callback);
    },

    getProductById:function(product_id,callback){
        return db.query("select * from product_table where product_id=?",[product_id],callback);
    },
    getProductNameOrBrandById:function(product_id,callback){
        return db.query("select p.*,c.*,b.* from product_table p,category_table c,brand_table b WHERE p.f
    },
    addProduct:function(item,filename,callback){
        var today=Date;
        today=new Date(today.now());
        return db.query("insert into product_table (product_img,fk_cat_id,fk_brand_id,product_qty,product
    },

    updateProduct:function(product_id,item,callback){
        return db.query("update product_table set fk_cat_id=?,fk_brand_id=?,product_qty=?,product_size=?,
    },
```

Description: This is the category product module

```
var mysql=require('mysql');
 var connection=mysql.createPool({

host:'localhost',
user:'root',
password:'',
database:'collegeproject'

});
 module.exports=connection;
```

.

Description: This is the database connection.

```
<ion-searchbar (ionInput)="getTopics($event)" (click)="onClickChange()" class="ion-searchbar" ></ion-se

<ion-list *ngIf="flag_search==true" style="background-color: white">
  <ion-item *ngFor="let topic of topics" (click)="onClick(topic)">
    {{ topic }}
  </ion-item>
</ion-list>

/ion-header>

ion-content class="card-background-page">
 <ion-grid>
   <ion-row>
     <ion-col size="4">
       <ion-item>
         <ion-label class="ion-label">Color</ion-label>
         <ion-select okText="Okay" cancelText="Dismiss" [(ngModel)]="product_color" (ionChange)="MoveCol
             <ion-select-option value="{{item}}" *ngFor="let item of colors" (click)="onColor()">{{item}
         </ion-select>
       </ion-item>
     </ion-col>

     <ion-col size="4">
       <ion-item>
         <ion-label class="ion-label">Size</ion-label>
         <ion-select   okText="Okay" cancelText="Dismiss" [(ngModel)]="product_size" (ionChange)="MoveSi
             <ion-select-option value="{{item}}" *ngFor="let item of sizes" value="{{item}}">{{item}}</i
         </ion-select>
```

Description: This is the IONIC home page.

```
  },
  {
    path: 'home',
    loadChildren: './home/home.module#HomePageModule'
  },
  {
    path: 'list',
    loadChildren: './list/list.module#ListPageModule'
  },
  { path: 'login', loadChildren: './login/login.module#LoginPageModule' },
  { path: 'product', loadChildren: './product/product.module#ProductPageModule' },
  { path: 'signup', loadChildren: './signup/signup.module#SignupPageModule' },
  { path: 'homeproduct', loadChildren: './homeproduct/homeproduct.module#HomeproductPageModule' },
  { path: 'detailproduct', loadChildren: './detailproduct/detailproduct.module#DetailproductPageModule' }
  { path: 'particlular-product/:product_id', loadChildren: './particlular-product/particlular-product.moc
  { path: 'size-page/:product_size', loadChildren: './size-page/size-page.module#SizePagePageModule' },
  { path: 'color-page/:product_color', loadChildren: './color-page/color-page.module#ColorPagePageModule'
  { path: 'price-page/:product_price', loadChildren: './price-page/price-page.module#PricePagePageModule'
  { path: 'discountproduct', loadChildren: './discountproduct/discountproduct.module#DiscountproductPageM
  { path: 'saller-location', loadChildren: './saller-location/saller-location.module#SallerLocationPageMo
  { path: 'shortkurti', loadChildren: './shortkurti/shortkurti.module#ShortkurtiPageModule' },
  { path: 'longkurti', loadChildren: './longkurti/longkurti.module#LongkurtiPageModule' },
  { path: 'anarkalikurti', loadChildren: './anarkalikurti/anarkalikurti.module#AnarkalikurtiPageModule' }
  { path: 'cartpage', loadChildren: './cartpage/cartpage.module#CartpagePageModule' },
  { path: 'serchpage', loadChildren: './serchpage/serchpage.module#SerchpagePageModule' },
  { path: 'pastorder', loadChildren: './pastorder/pastorder.module#PastorderPageModule' }
];

@NgModule({
  imports: [RouterModule.forRoot(routes)],
  exports: [RouterModule]
```

Description: This is the IONIC router module

```
export class ProductService {

  private product:string="http://localhost:3000/product/";
  private productnamebrand='http://localhost:3000/getproductnameorbrand/';
  private productsize="http://localhost:3000/sizepro/";
  private productcolor="http://localhost:3000/colorpro/";
  private productprice="http://localhost:3000/pricepro/";
  private progetsaller="http://localhost:3000/getsellerloc/";
  private shortproduct:string="http://localhost:3000/getshortkurti/";
  private longproduct:string="http://localhost:3000/getlongkurti/";
  private anarkaliproduct:string="http://localhost:3000/getanarkalikurti/";
  private brand_url:string="http://localhost:3000/brand/";
  private city_url:string="http://localhost:3000/citypro/";
  private cat_url:string="http://localhost:3000/getprocat/";
  private brandget_url:string="http://localhost:3000/getprobrand/";
  constructor(private _http:HttpClient) { }

  getAllProducts(){
    return this._http.get(this.product);
  }
  getAllBrands(){
    return this._http.get(this.brand_url);
  }
```

Description: This is the IONIC Product Service module

Testing & Security Features

- There are many types of testing are available in market but there are mainly three types of testing: those are unit testing, system testing and integration testing.
- During this first round of testing, the program is submitted to assessments that focus on specific units or components of the software to determine whether each one is fully functional. The main aim of this endeavor is to determine whether the application functions as designed. In this phase, a unit can refer to a function, individual program or even a procedure, and a White-box Testing method is usually used to get the job done.
- One of the biggest benefits of this testing phase is that it can be run every time a piece of code is changed, allowing issues to be resolved as quickly as possible. It's quite common for software developers to perform unit tests before delivering software to testers for formal testing.
- Integration testing allows individuals the opportunity to combine all of the units within a program and test them as a group. This testing level is designed to find interface defects between the modules/functions. This is particularly beneficial because it determines how efficiently the units are running together. Keep in mind that no matter how efficiently each unit is running, if they aren't properly integrated, it will affect the functionality of the software program. In order to run these types of tests, individuals can make use of various testing methods, but the specific method that will be used to get the job done will depend greatly on the way in which the units are defined.

- System testing is the first level in which the complete application is tested as a whole. The goal at this level is to evaluate whether the system has complied with all of the outlined requirements and to see that it meets Quality Standards. System testing is undertaken by independent testers who haven't played a role in developing the program. This testing is performed in an environment that closely mirrors production. System Testing is very important because it verifies that the application meets the technical, functional, and business requirements that were set by the customer.

SUMMARY

Assumption

- One should remember his ID & Password while login to the system.
- He has a primary knowledge of operating computer.
- He is able to run the system properly.
- He/she is having knowledge about what is collection/community.
- If user want to add advertisement for his/her organization/product thensome amount of revenue will be generated.

Limitations

- If user does not have knowledge about what is collection then he might getconfuse between them.
- If user upload/share his very important document then there is noprovision for security.
- User can add members who are registered user for the system in his Community.
- If the user might not able to deal with English language then user might notable to use the system efficiently.
- Collections will be added only by system admin.

Conclusion

The main concern after developing this website is to provide wholesalers and retailers with some new way to expand their business not only in a particular city but also nationwide.

Future Scope

- There are chances that system can cooperate with payment gateways togenerate revenue.
- Wholesaler should be given chance to create their own collection too.
- System can be made for the users from different countries.

THANK YOU.