ABSTRACT

This project is a web based shopping system for an existing shop. The project objective is to deliver the online shopping application into android platform. This project is an attempt to provide the advantages of online shopping to customers of a real shop. It helps buying the products in the shop anywhere through internet by using an android device. Thus the customer will get the service of online shopping and home delivery from his favorite shop. This system can be implemented to any shop in the locality or to multinational branded shops having retail outlet chains. If shops are providing an online portal where their customers can enjoy easy shopping from anywhere, the shops won't be losing any more customers to the trending online shops such as flipcart or ebay. Since the application is available in the Smartphone it is easily accessible and always available. ..

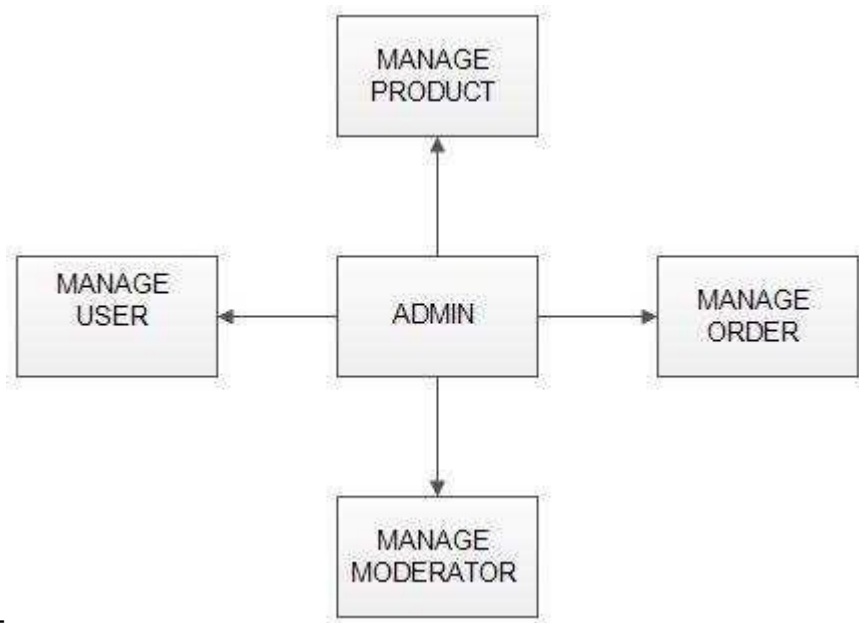## Requirement Analysis

List of Tables:

LOGIN TABLE

USER DETAILS

PRODUCT DETAILS

PRODUCT ORDERS

List of Attributes with their Domain Types:

Admin module

This module is divided into different sub-modules.

1. Manage Moderators
2. Manage Products
3. Manage Users
4. Manage Orders

MANAGE MODERATOR
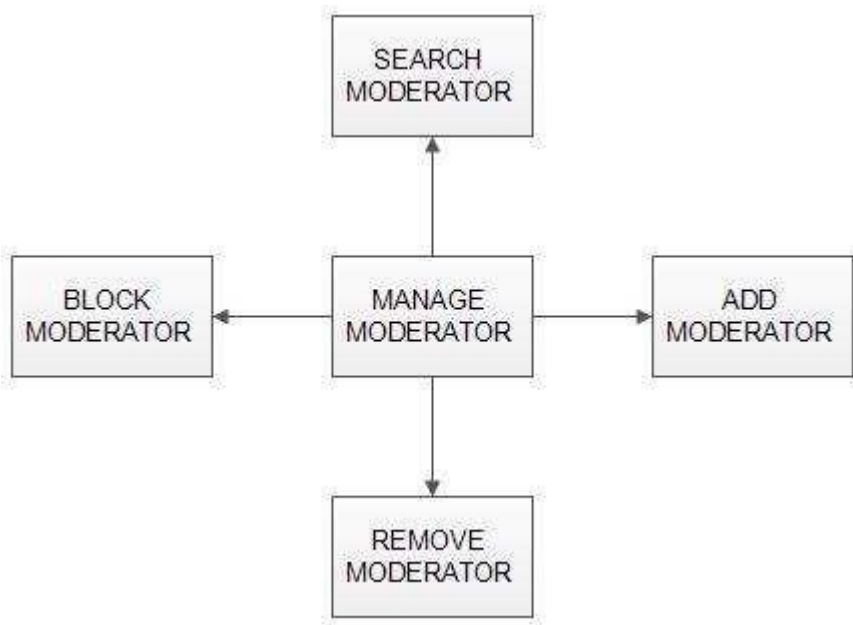
Add Moderator

Only admin is having the privilege to add a moderator. A moderator can be considered as a staff who manages the orders or owner of a group ofproducts.

Block moderator

Admin can restrict a moderator from managing the orders by blocking them. Admin can unblock a blocked user if needed

MANAGE PRODUCTS

```
┌──────────────┐        ┌──────────────┐        ┌──────────────┐
│   DELETE     │◄───────│   MANAGE     │───────►│     ADD      │
│   PRODUCT    │        │   PRODUCT    │        │   PRODUCT    │
└──────────────┘        └──────┬───────┘        └──────────────┘
                               │
                               ▼
                        ┌──────────────┐
                        │    VIEW      │
                        │   PRODUCT    │
                        └──────────────┘
```
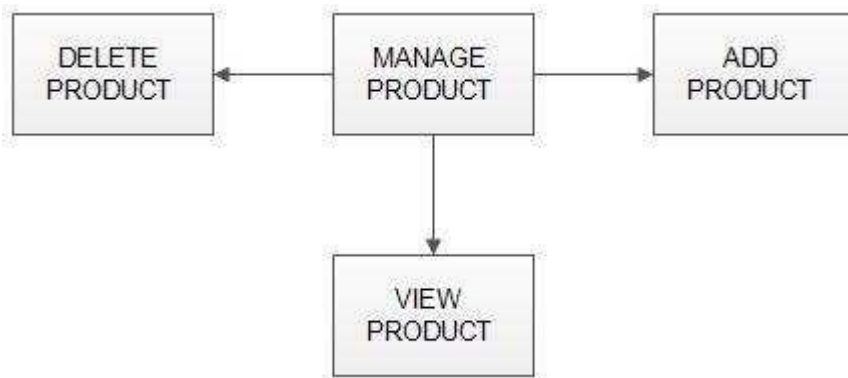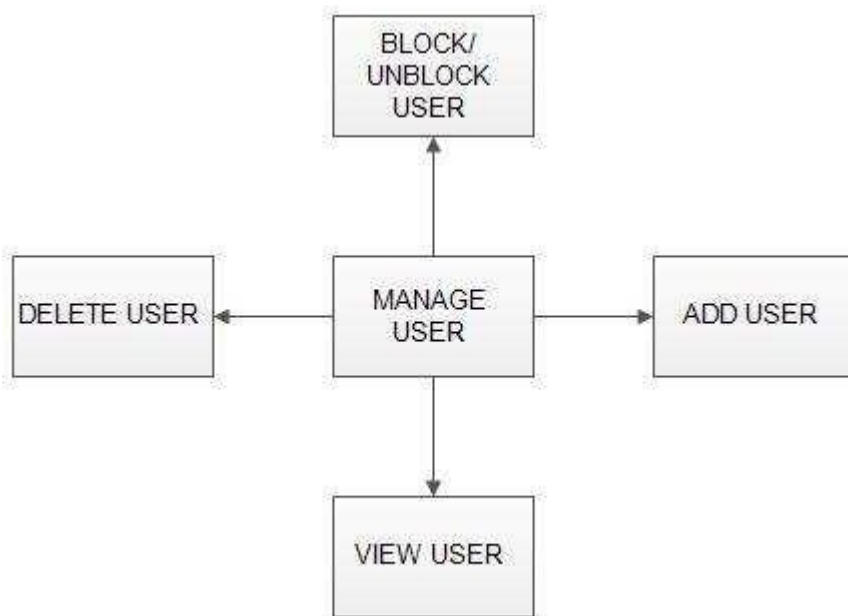
MANAGE USER

```
                        ┌──────────────┐
                        │   BLOCK/     │
                        │   UNBLOCK    │
                        │    USER      │
                        └──────▲───────┘
                               │
┌──────────────┐        ┌──────┴───────┐        ┌──────────────┐
│ DELETE USER  │◄───────│   MANAGE     │───────►│   ADD USER   │
│              │        │    USER      │        │              │
└──────────────┘        └──────┬───────┘        └──────────────┘
                               │
                               ▼
                        ┌──────────────┐
                        │  VIEW USER   │
                        └──────────────┘
```

MANAGE ORDERS

```
┌──────────────┐        ┌──────────────┐        ┌──────────────┐
│   DELETE     │◄───────│   MANAGE     │───────►│  VIEW ORDER  │
│    ORDER     │        │    ORDER     │        │              │
└──────────────┘        └──────────────┘        └──────────────┘
```
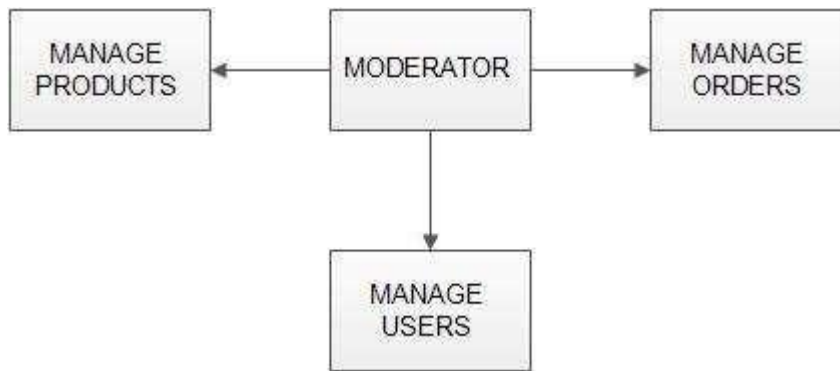
MODERATORS:

A moderator is considered as a staff who can manage orders for the time being. As a future update moderator may give facility to add and manage his own products . Moderators can reduce the work load of admin. Now moderator has all the privilege an admin having except managing other
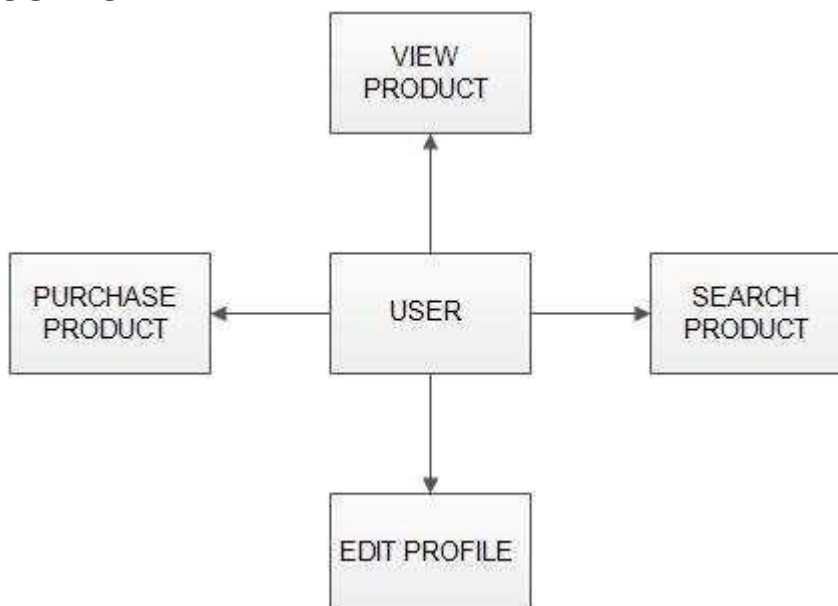
moderators. He can add products and users. He can also

check   theorders and edit his profile

Manage products

Manage users

Manage orders

USERS:

LOGIN:

login

Field Name	Field Type	Default	AllowNull	PriKey	Extra
uid	int(11) FIRST		NO	YES	auto_increment
uname	varchar(50) AFTER `uid`		NO	NO	
upass	varchar(50) AFTER `uname`		NO	NO	
utype	varchar(20) AFTER `upass`		NO	NO	
enabled	varchar(10) AFTER `utype`		NO	NO	

Login table

USER DETAILS:

userdetails

Field Name	Field Type	Default	AllowNull	PriKey	Extra
uid	int(11) FIRST		NO	YES	
uloginname	varchar(50) AFTER `uid`		NO	NO	
uemailid	varchar(100) AFTER `uloginname`		NO	NO	
umobno	varchar(30) AFTER `uemailid`		NO	NO	

User details

product_details

Field Name	Field Type	Default	AllowNull	PriKey	Extra
id	int(11) FIRST		NO	YES	auto_increment
name	varchar(100) AFTER `id`		NO	NO	
description	varchar(500) AFTER `name`		YES	NO	
price	varchar(50) AFTER `description`		YES	NO	
photo	varchar(100) AFTER `price`		YES	NO	

Product details

product_orders

Field Name	Field Type	Default	AllowNull	PriKey	Extra
id	int(11) FIRST		NO	YES	auto_increment
product_id	int(11) AFTER `id`		NO	NO	
user_id	int(11) AFTER `product_id`		NO	NO	
deliver_address	varchar(500) AFTER `user_id`		YES	NO	

Product orders

E-R Relationship Diagram

```
                          ┌─────────────┐
                          │    Login    │
                          └─────────────┘
         ┌──────────────┬──────┼──────────────┬──────────────┐
         ▼              ▼      ▼              ▼              ▼
    ┌─────────┐  ┌───────────┐  ┌──────────┐  ┌───────────┐
    │ User id │  │ User name │  │ Password │  │ User type │
    └─────────┘  └───────────┘  └──────────┘  └───────────┘
                         ▼
                    ┌─────────┐
                    │ Status  │
                    └─────────┘

                          ┌──────────────┐
                          │ User details │
                          └──────────────┘
         ┌──────────────┬──────┴──────────┬──────────────┐
         ▼              ▼                 ▼              ▼
    ┌─────────┐  ┌────────────┐  ┌──────────┐  ┌───────────────┐
    │ User id │  │ Login name │  │ Email id │  │ Mobile number │
    └─────────┘  └────────────┘  └──────────┘  └───────────────┘

                          ┌─────────────────┐
                          │ Product Details │
                          └─────────────────┘
         ┌──────────────┬──────┴──────────┬──────────────┐
         ▼              ▼                 ▼              ▼
    ┌────────────┐  ┌──────────────┐  ┌─────────────┐  ┌───────┐
    │ Product id │  │ Product name │  │ Description │  │ Price │
    └────────────┘  └──────────────┘  └─────────────┘  └───────┘
                         ▼
                    ┌────────┐
                    │ Photo  │
                    └────────┘

                          ┌────────────────┐
                          │ Product Orders │
                          └────────────────┘
         ┌──────────────┬──────┴──────────┬──────────────┐
         ▼              ▼                 ▼              ▼
    ┌──────────┐  ┌────────────┐  ┌──────────┐  ┌─────────────────┐
    │ Order id │  │ Product id │  │ User id  │  │ Deliver address │
    └──────────┘  └────────────┘  └──────────┘  └─────────────────┘
```