

Software Requirement Specification (SRS) for Online Shopping System (OSS)

1. Introduction

1.1 Purpose:

The Purpose of this document is to define and describe the features of online shopping system. so as to serve as a guide to developers and also it can be used as a software validation document for developers the clients.

The online shopping system for smartphones shop is intended to provide complete solution for shopkeepers and customers as through a single gateway using internet. It enable the shop owners to set their shop on online and the customers can buy their desired smartphone by comparing to other smartphone and choose the better one. Thus the customers doesnot need to visit the shop, they can simply buy their desired product and the product is delivered to them on time. The admin of the system can ~~can~~

manage and maintain the shop owners and accept or reject their online shop request as well as make productive measures to manage the customer complaints regarding their purchases.

1.2) Scope

The document describes the requirements along with interfaces for the system. This aims to provide a guide to developers while developing the process and can be used by the clients to check whether their requirements are met in the final product.

1.3) Overall description

This system provides an easy solution for all types of customers who are searching for a new smartphone. Through this, they can get their smartphone in an easy way and reduce their effort for that. Also, the shop owners can easily market their products. The proposed system can

can be used by any kind of user without any specific educational or knowledge level. or this system doesnot require any technical expertise or technical knowledge. the only thing needed is that they only need a basic knowledge browsing and surfing on the web.

1.4) Definitions

OSS - online shopping system,

SRS - software requirement specification.

GUI - Graphical user interface.

1.5) References

2) Overall Description

The online shopping system for smartphones allows the shop owners to sell their products and setup their shop online and customers to buy products through online platform. The all system is

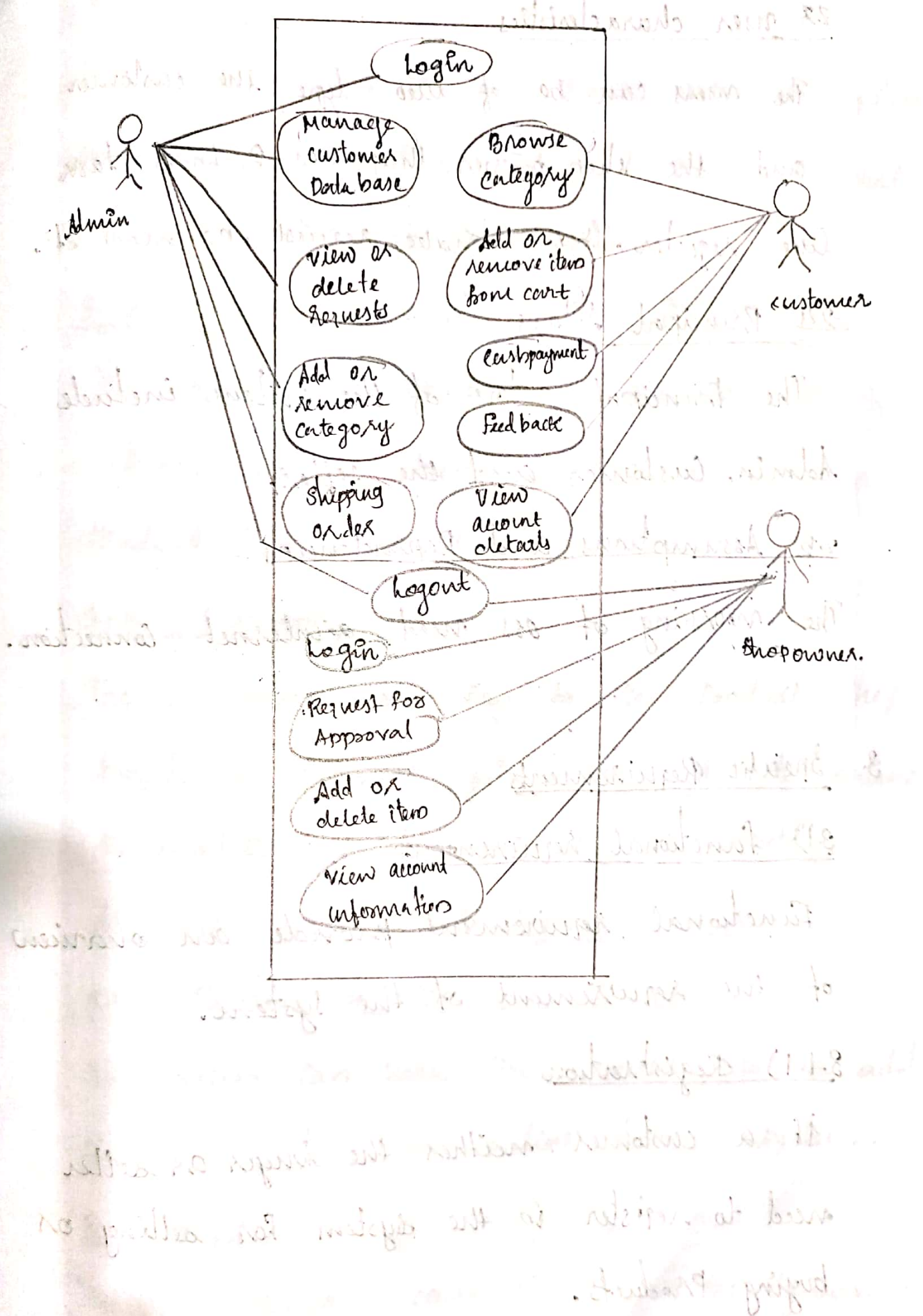
is governed by an admin. The admin can approve and reject the requests made by the smartphone shop owners and maintain them to different categories. Also it allows customers to select their desired products. Thus, the online shopping system acts as an intermediary between the shop owners and customers.

2.1) Product Perspective

The product aimed toward the customers who don't need to visit the shop and not interested and ready to face formalities for buying smart phone. In the online shopping system, it reduces the formalities and physical work.

2.2) Product Functions

The functions of the product can be divided into three module. First one is the Admin module, second is shop owners or seller and the third one is customers or buyer.



2.3 user characteristics

The users can be of two type the customer and the shop owner they can perform task like register, login, make request, payment etc.

2.4 Principal Actors

The Principal actors of the system include Admin, Customer and the seller.

2.5 Assumptions and Dependencies

The working of oss need internet connection.

3. Specific Requirements

3.1) Functional requirements

Functional requirement provide an overview of the requirement of the system.

3.1.1) Registration

if a customer, neither the buyer or seller need to register in the system for selling or buying products.

3.1.2) Login

The buyer and seller can login into the system by using a valid user id and password that is provided during registration.

3.1.3) changes to cart

This function is performed by the user or customer, thus the buyer can add or remove product from their shopping cart.

3.1.4) Payments

The customer can pay for the product they bought. The payment system can set to online payment or buy mode of cash on delivery.

Also use Epayment facility.

3.1.5) Request for approval

The seller can make their requests to add their product to the online shopping system.

3.1.6) Logout

The customer, seller can logout from the system whenever they desire.

3.1.7.) Report or invoice generation

After buying a smartphone the system sent an Email regarding the product bill invoice to the customers to the registered Email id. Also copy of the bill and invoice is keep in the system data base.

3.2 Non Functional Requirement

The non functional requirement include the customer privacy and security. Ensure the 24x7 availability of the system. The non functional requirement also include Reliability, maintainability, portability, compatibility etc.

3.3) Performance Requirement

In order to run the system with many users at a single time the system will comprise of stable and fast connection to server and based on the attributes of users such as his location and server and ^{24x7} working of the it.

3.4) Technical Issues:

The system will work on client server architecture it will require an internet server and must be able to run the application.

4) Interface Specification/Requirement

The various interface included in this system are,

- 1) Login Page
- 2) Registration form
- 3) Screen for displaying the Product for sale
- 4) Shopping Cart Page.
- 5) Payment interface

4.1) Software Interface

1) Operating System : windows 7 which support networking

2) Java development tool kit (JDK)

4.2) Hardware Interface

Processor : Dual core

RAM : 2GB

Hard disk : 300GB.

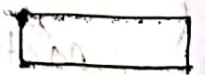
5) System design specification.

5.1) Architecture Design

5.1.1) Data flow diagram (DFD)

Way of representing system requirement in graphical form. DFD describe the overall data design and its controls. Also include how the data is processed and passed to the system. A DFD is a structured analysis tool ~~and~~ design tool that can be used to identify the data processing steps. It is also considered as ~~the~~ an abstract of the logic of information oriented or process oriented system flow chart. The four basic symbols used to create DFD are,

A rectangle represent data source →



A directed line represent data flow →



An oval represent a process →



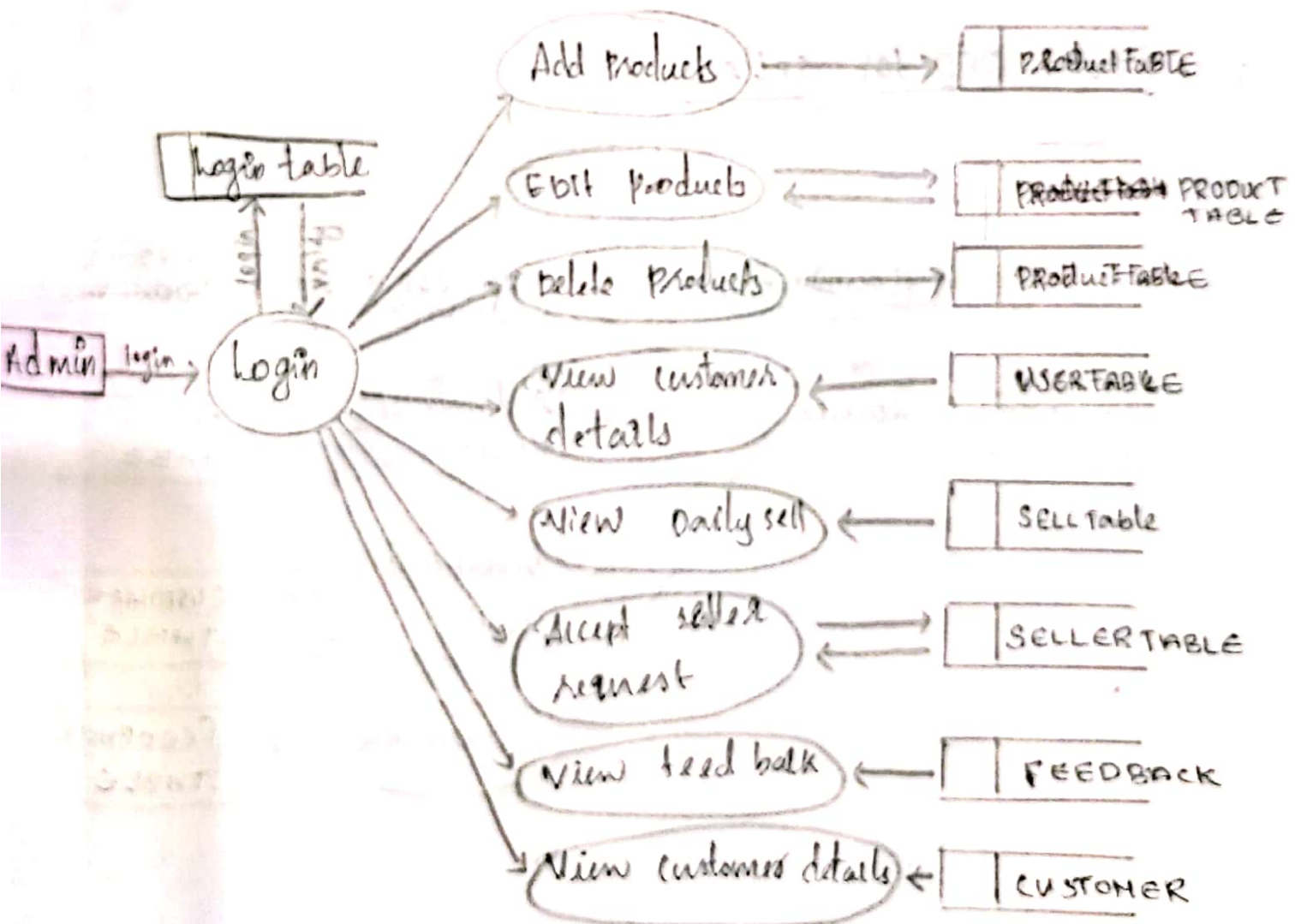
An open rectangle represent database. →



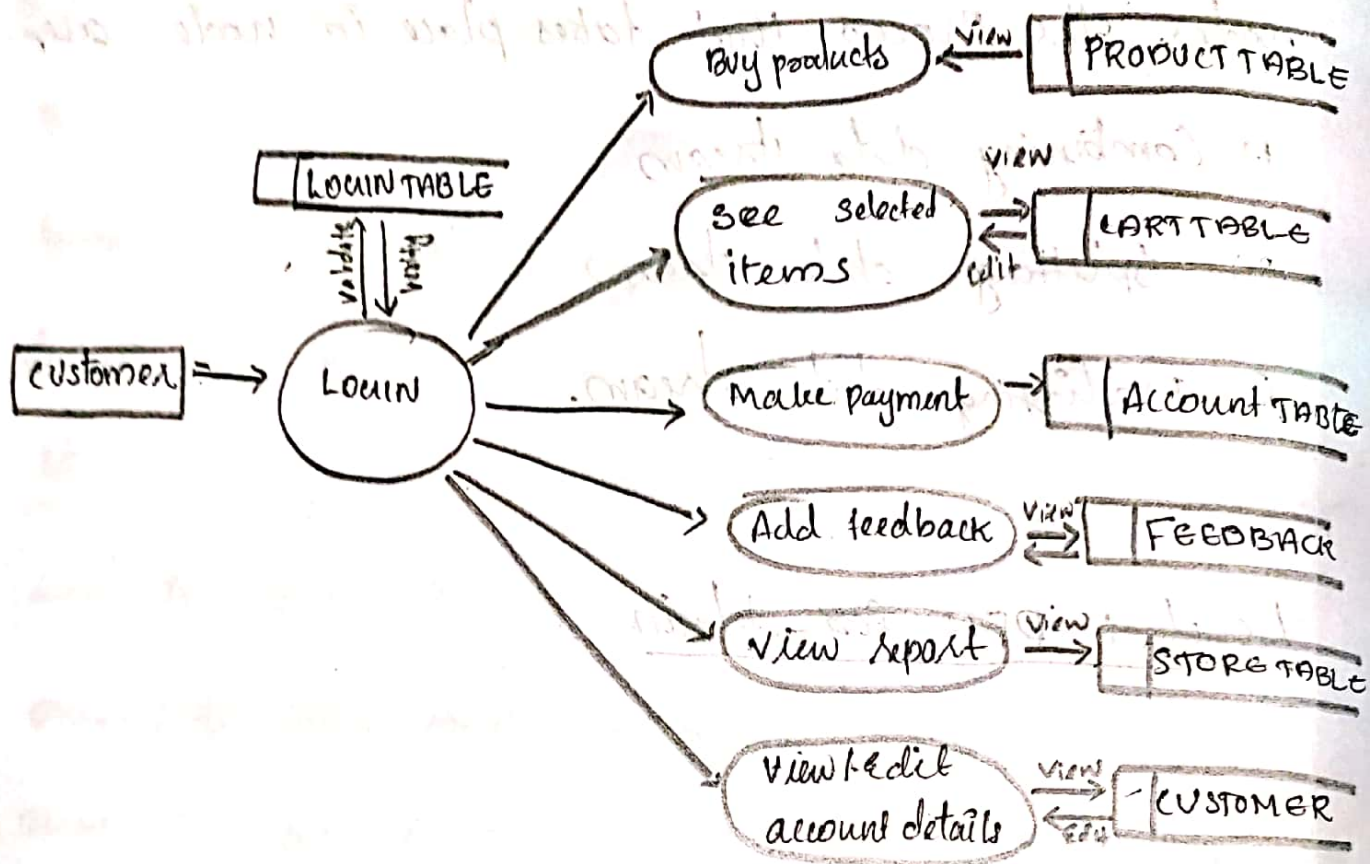
The point at which data is transferred is called nodes. The process that takes place in node are,

- 1) Combining data stream
- 2) Splitting data stream
- 3) modifying data stream.

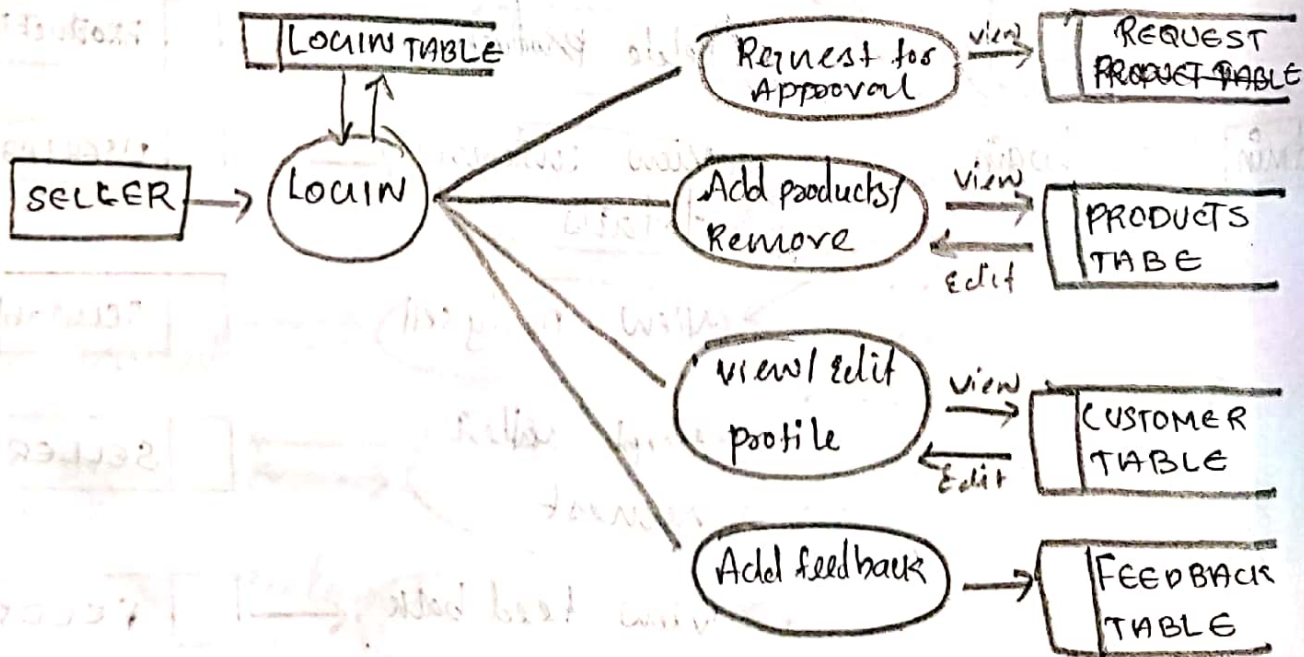
Level 1 DFD for Admin



Level 1 DFD for customer (buyer)



Level 1 DFD for seller



6.2 Operational Scenario

if a customer want to buy a smartphone, the system will shows all enailable smart phone and the customer can choose the desired one. the payment can be done through e payment system. Similarly the seller can sell their smartphones through the oss to customers. Both the customer and system is able to keep an detailed invoice about the product they buyed.

7.1 Appendices & references

This ~~prop~~ SRS is prepared by reffering various site related to software Engineering. They comprise of slideshare.net, geeforgets etc.