

# Software Requirement Specification for

## E-SHOPPING

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### Introduction:

E-commerce is a web based application or mobile application implemented for easy to access product or services around the corner of world, buy, sell, chat, transact, get service and maintains records. Using record we can track customer and inform customize and future offers and discounts. Legal contract department prepare policy contract and sends to customer after payment has received from the customer

### Purpose:

Defining and describing the functions and specifications of the Book E-Commerce System is the primary goal of this Software Requirements Specification (SRS). This Software Requirements

Existing system for a society is based on our traditional way keeping records and details on paper and registers. Access of these details and papers are not granted to common member in absence of the authority. It is hard to manage all the society system with pen and paper

### Product Scope:

**Electronic commerce** draws on such innovations as electronic funds transfer, supply chain management, Internet marketing, online exchange preparing, Electronic Data Interchange (EDI), inventory frameworks, and computerized information assortment frameworks.

- J2EE Technology used for the development of the application.
- General customers as well as the sellers will be able to use the system effectively.
- Web-platform means that the system will be available for access 24/7 except when there is a temporary server issue which is expected to be minimal.

### Overall Description:

#### Product Perspective:

Existing system for a business is based on our traditional way keeping records and details on paper and registers. There were no online payment options . security was not there for selling and buying . All records of user were not kept effectively. Products sale and product buy by customer record were not properly maintained. The architecture of the existing system was basically manual oriented. The system was initially developed to cater for the products in the business area. The system was dimmed efficient during the initial stage of its establishment. The system caters for all the products owned by the business man. The objectives of the system were borne out of the fact that, business man .

### **Actors:**

- Admin
- manager
- User

### **Functional Requirements :**

E-shopping with the key features listed below:-

#### Admin:

- Admin can login to the system.
- Admin can add users ,managers.
- Admin can delete user ,manager
- Admin can update user, manager
- Admin can add category
- Admin can add products
- Admin can delete products
- Admin can delete categories

#### Manager:

- Manager can login to the system.
- View his/her details.
- Add categories.
- Delete categories.
- Update categories.
- Add/update/delete products.

#### Users:

- User can register.
- Users can login.
- Users can view products.
- Users can search products by category, all .
- Users can add products to cart .
- Users can buy products.

## **Non Functional Requirements**

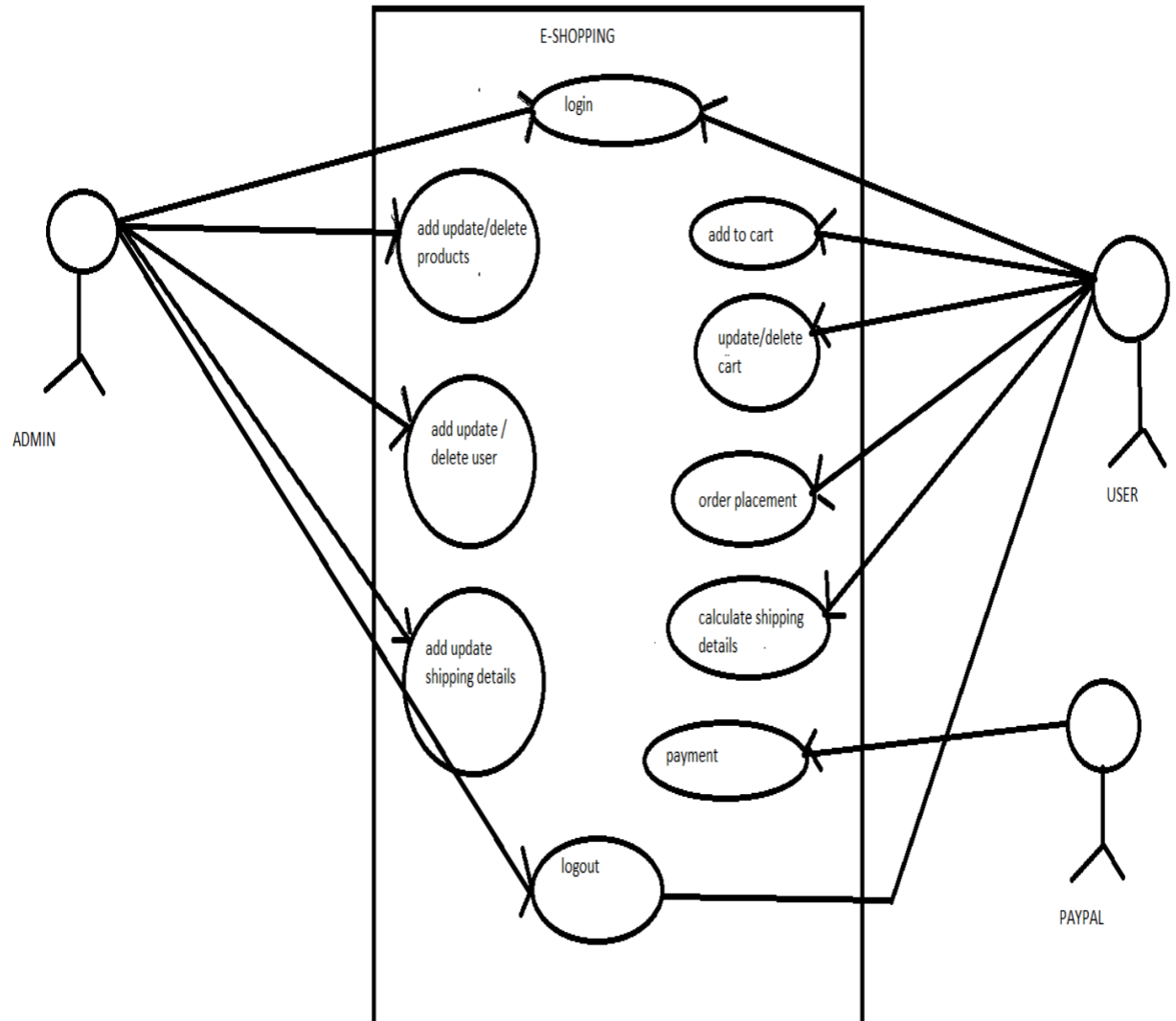
There are a lot of software requirements specifications included in the non-functional requirements of the E-COMMERCE which contains various process, namely Security, Performance, Maintainability, and Reliability.

## **Technologies used:**

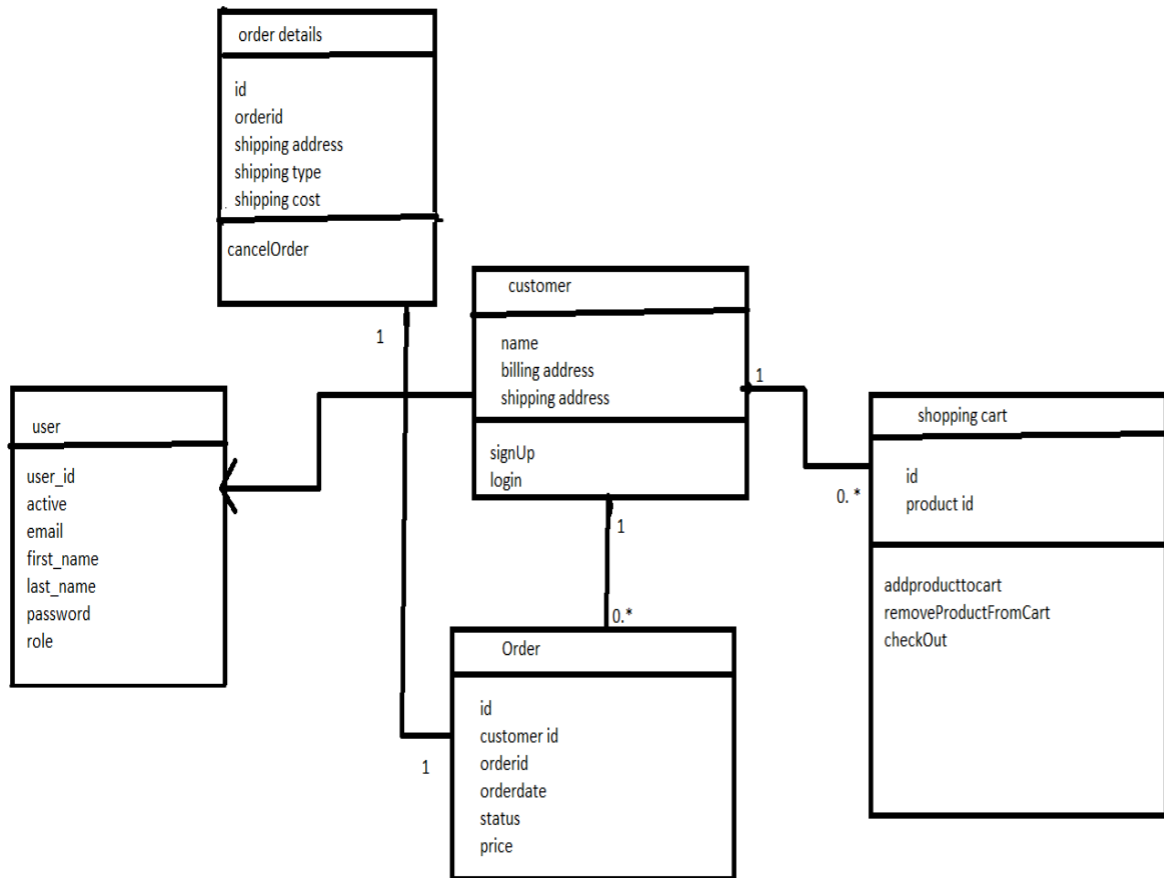
**Frontend :** HTML5,CSS3,thymleaf.

**Backend :** Spring Boot , ,MySql, spring security.

## Use Case Diagram:

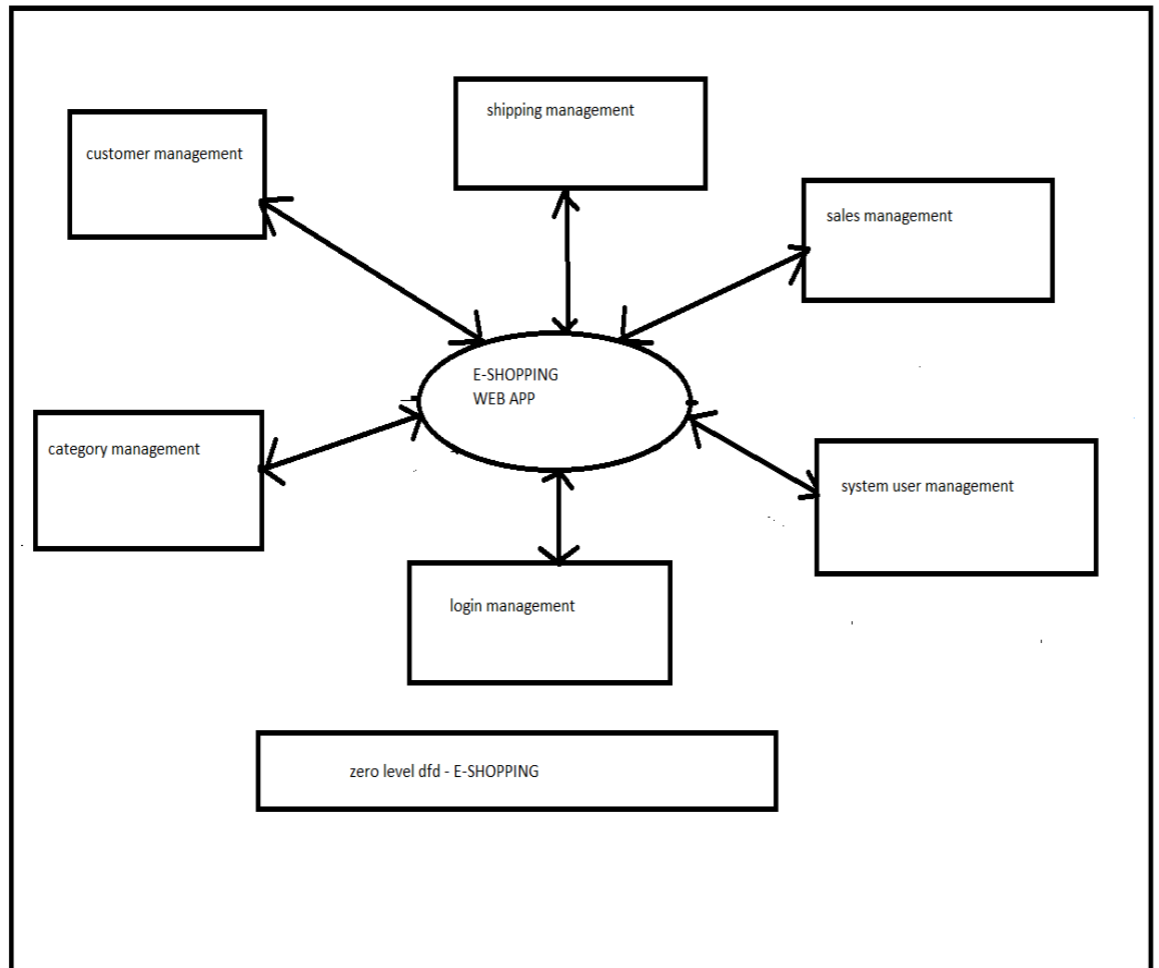


## Class Diagram:

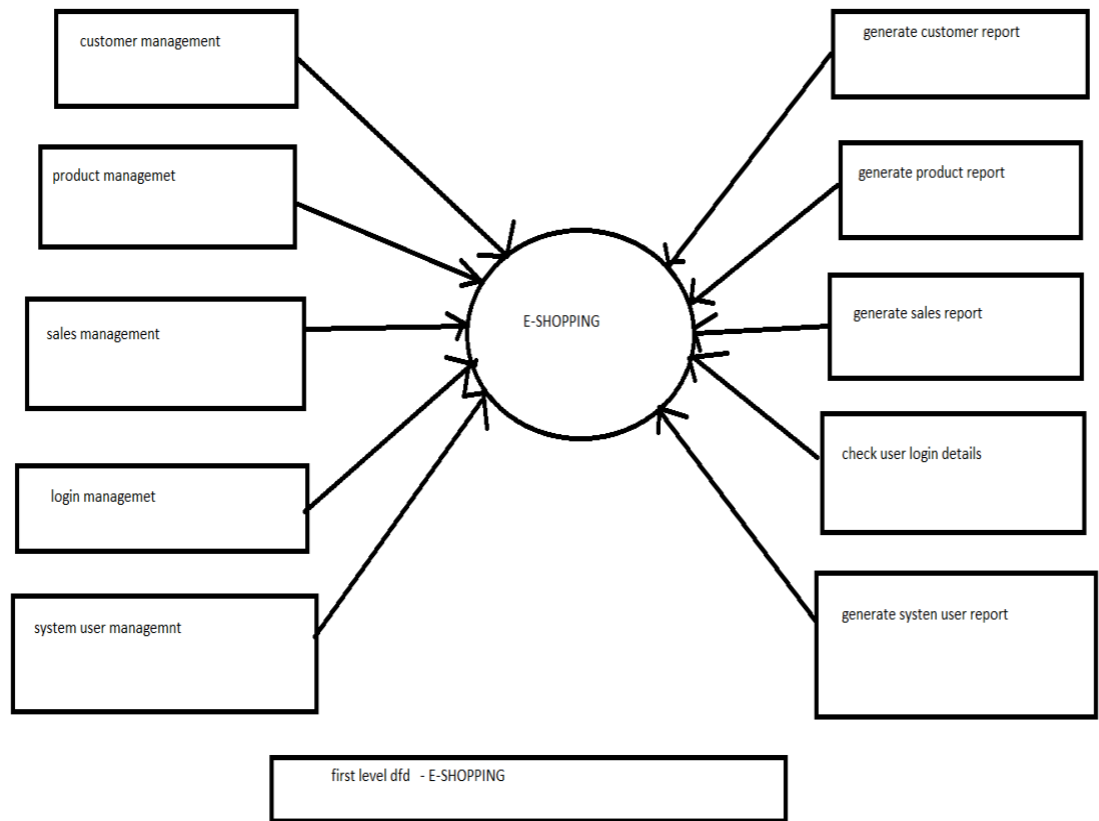


**Dfds:**

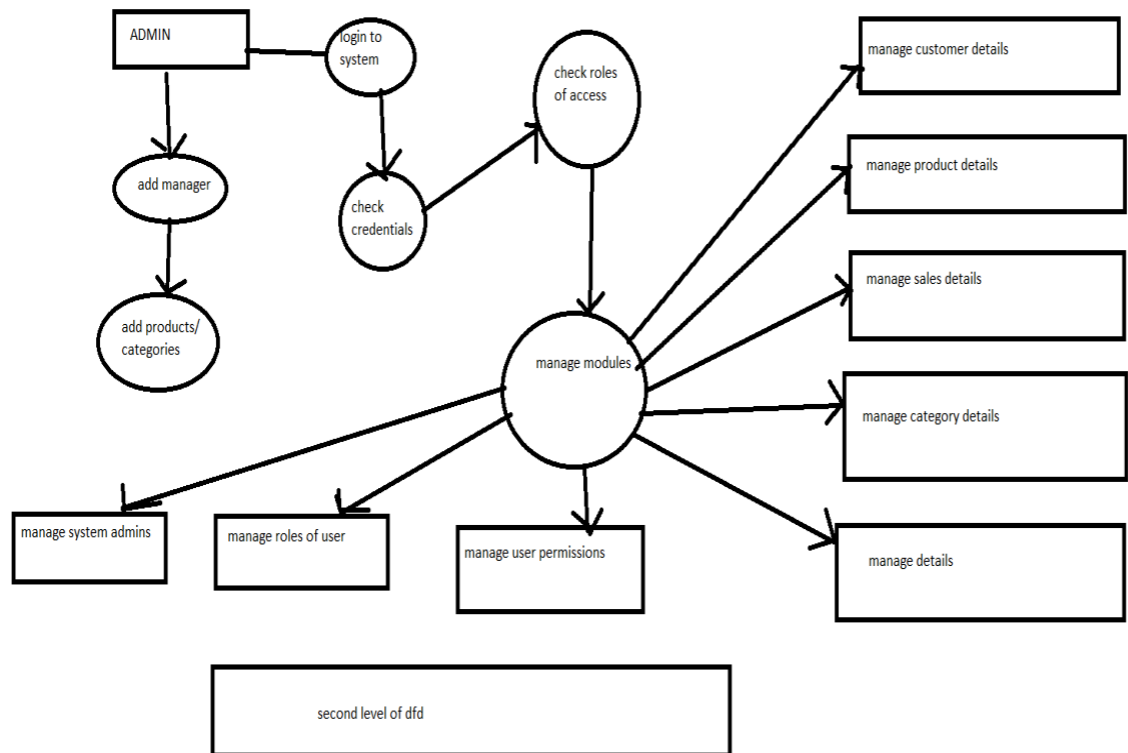
**Dfd0:**



**Dfd1:**

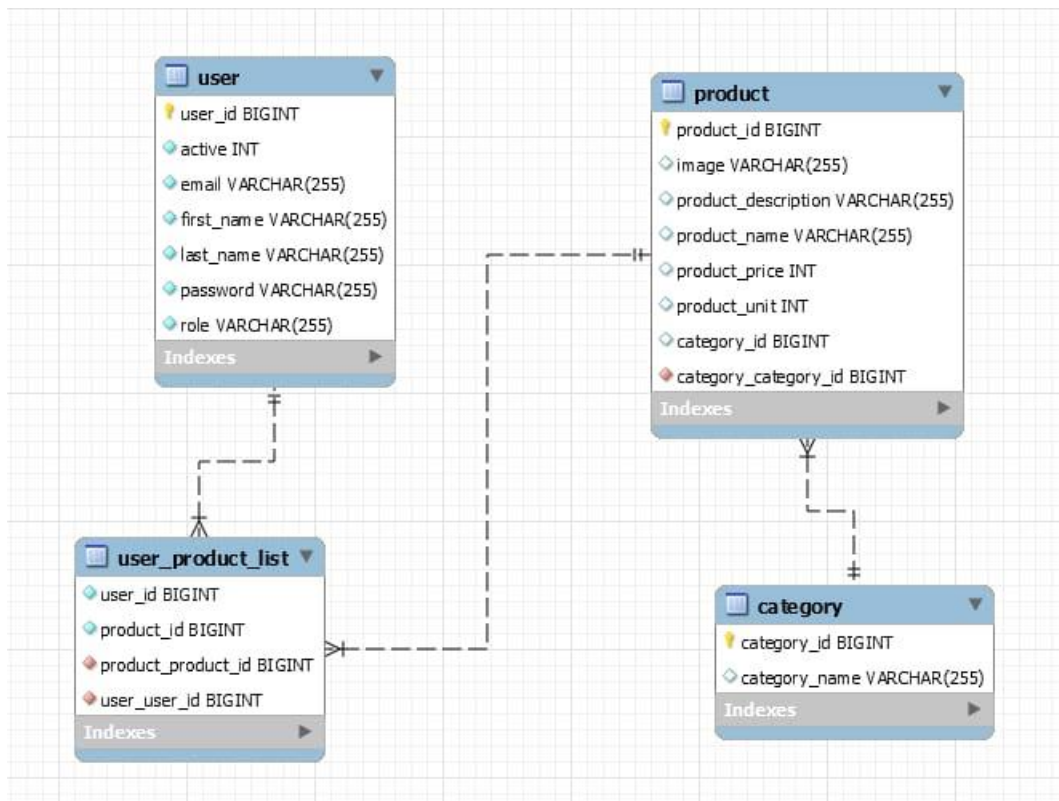


Dfd2:



ER-DIAG





## Table structure

Product table:

Field	Type	Null	Key	Default	Extra
Product_id	bigint	NO	PRI	NULL	
image	Varchar(255)	YES		NULL	
Product_description	Varchar(255)	YES		NULL	
Product_name	Varchar(255)	YES		NULL	
Product_price	int	YES		NULL	
Product_unit	Int	YES		NULL	
Category_id	bigint	YES	MUL	NULL	

Category table:

Field	Type	Null	Key	Default	Extra
Category_id	bigint	NO	PRI	NULL	
Category_name	Varchar(255)	yes		NULL	

### User table:

Field	Type	NULL	Key	Default	Extra
User_id	bigint	NO	PRI	NULL	
Active	Int	YES		NULL	
Email	Varchar(255)	YES		NULL	
First_name	Varchar(255)	YES		NULL	
Last_name	Varchar(255)	YES		NULL	
Password	Varchar(255)	YES		NULL	
role	Varchar(255)	YES	MUL	NULL	

### User\_Product\_List table:

Field	Type	Null	Key	Default	Extra
User_id	BIGINT	NO	MUL	NULL	
Product_id	BIGINT	NO	MUL	NULL	