SOFTWARE REQUIREMENT SPECIFICATIONS

Project Topic: [Grocery Shopping]

Submitted by:

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1. Introduction

a. Purpose:

The purpose of this Report is the various SRS (Software Requirement Specification) needed while development of the App “Grocery Shopping”.

b. Scope:

The scope of an application Grocery shopping is:

Login: User will login once their credentials are verified with following features

1. User name
2. Password

User : will login to the application with the following features

1. Purchasing a product.
2. View the product

Shopkeeper: Shopkeeper will access all the features of the app

1. Shopkeeper will manage products.
2. Shopkeeper will manage orders.

Logout

User scope – the scope of Grocery shopping app is Gyalpozhing town.

2 . Requirements

a. Functional requirements

USER

- USER LOGIN

Description of feature

- This feature used by the user to login into system. A user must login with his user name and password to the system after registration. If they are invalid, the user not allowed to enter the system.

  Functional requirement

  - Username and password will be provided after user registration is confirmed.

PURCHASING A PRODUCT

Description of feature

- System must ensure that, only a registered customer can purchase items.

SHOPKEEPER

- MANAGE PRODUCTS

Description of feature

The shopkeeper can add product, delete product and view product.

- MANAGE ORDERS

Description of feature

The shopkeeper can view orders and delete orders.

Functional requirements

-The system must identify the login of the shopkeeper.

b. Non-functional Requirements

1. USABILITY

- The android application is designed for user friendly environment and ease of use.

2. EFFICIENCY

- When a grocery shopping android application implemented user can purchase product in an efficient manner.

3. RELIABILITY

- The system should provide a reliable environment to both customers and shopkeeper.

c. Software Requirements

- i. The technology used and version

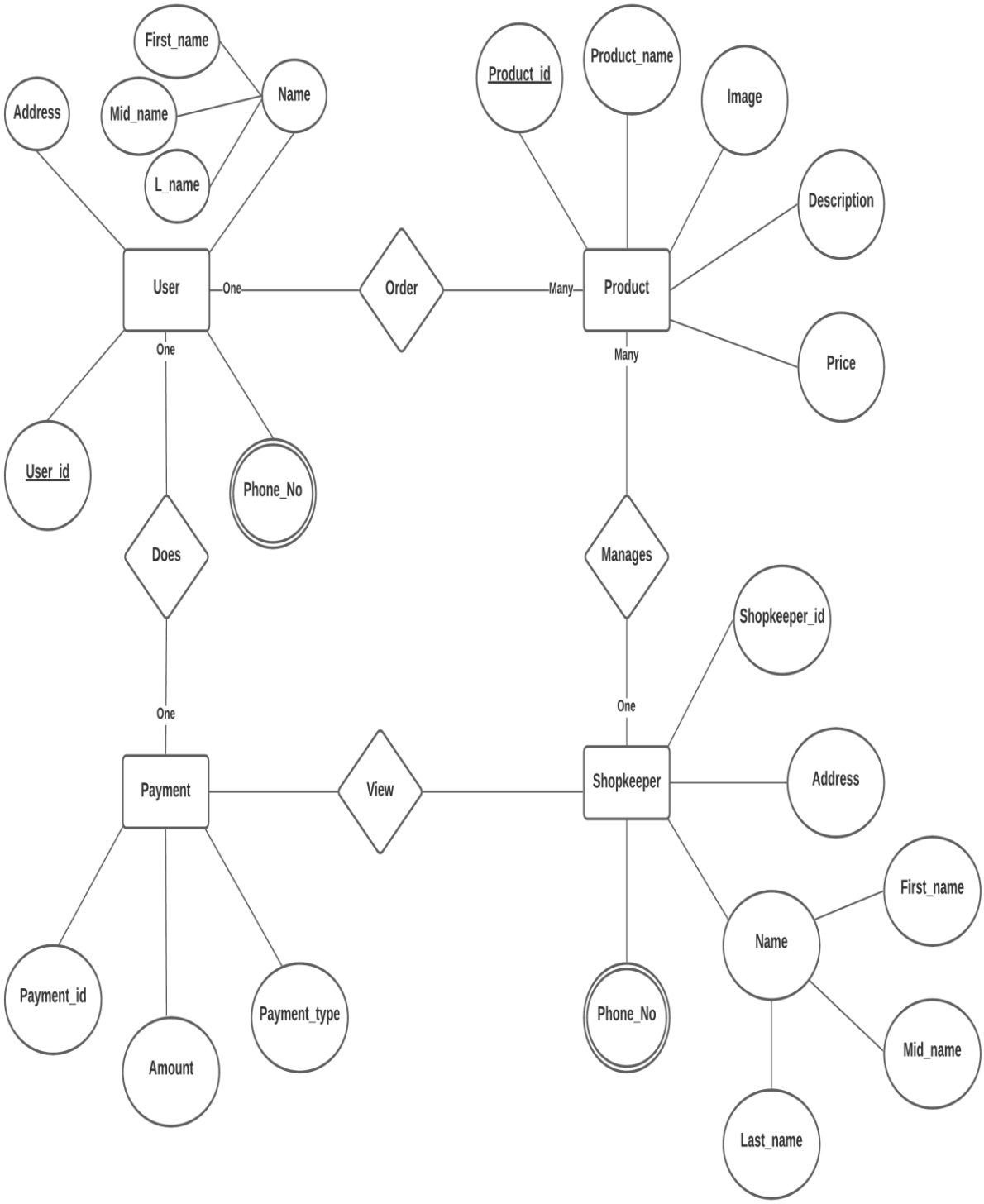
Software	**Specification**
Java Version	Java standard Edition Development Kit(JDK) 8
Operating System	Microsoft Window 10(64-bits)
Android SDK	Android Studio SDK version 16

d. Hardware requirements

Hardware	**Specification**
Disk Space	400mb
Screen Resolution	1280x800

4 . System Design

1. ER Diagram



2. Relational Schema

Shopkeeper

Shopkeeper_id	First_name	Mid_name	Last_name	Phone_no	Address	Product_id	Payment_id

Product

Product_id	Product_name	Image	Description	Price	User_id

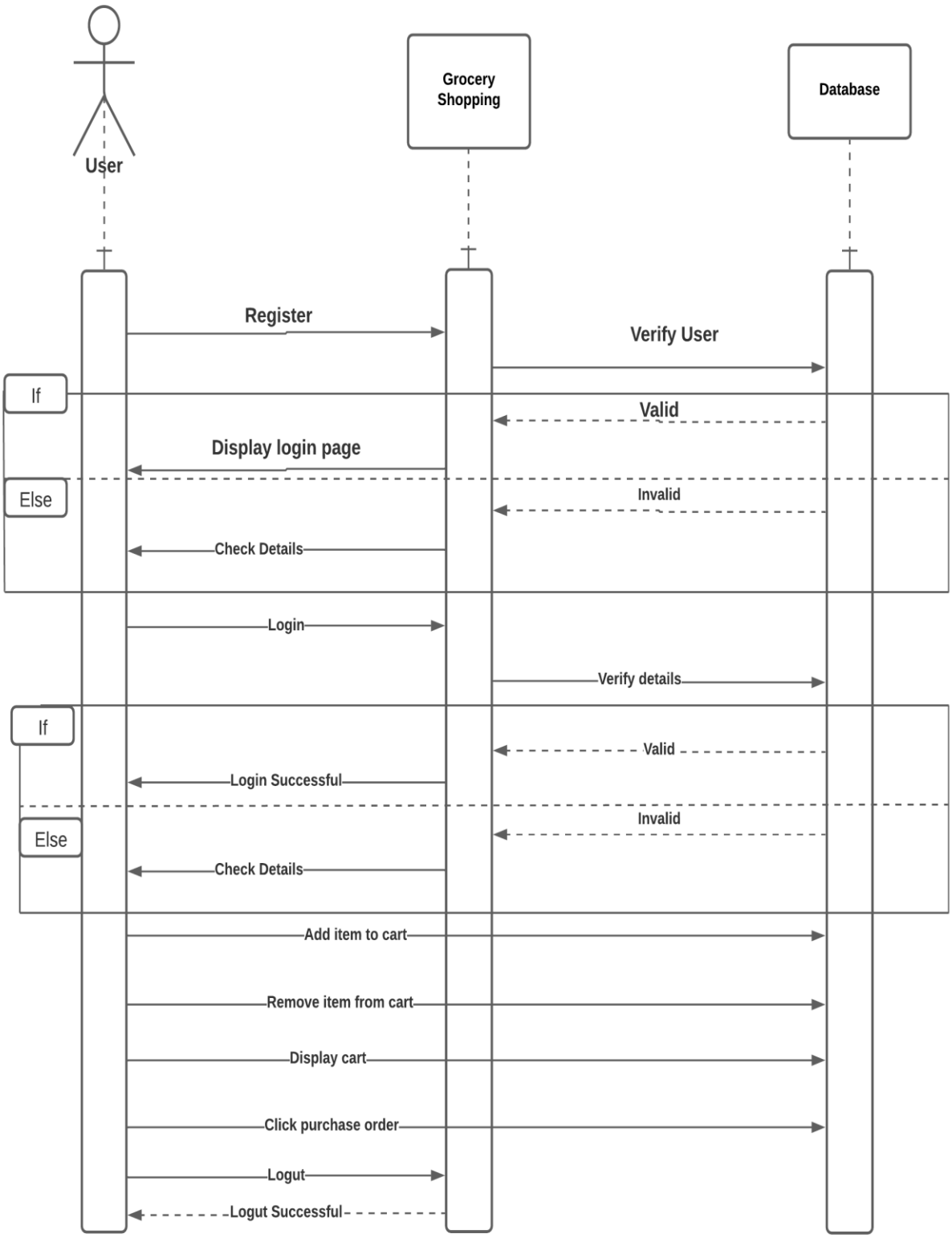
User

User_id	First_name	Mid_name	Last_name	Phone_no	Address	Payment_id

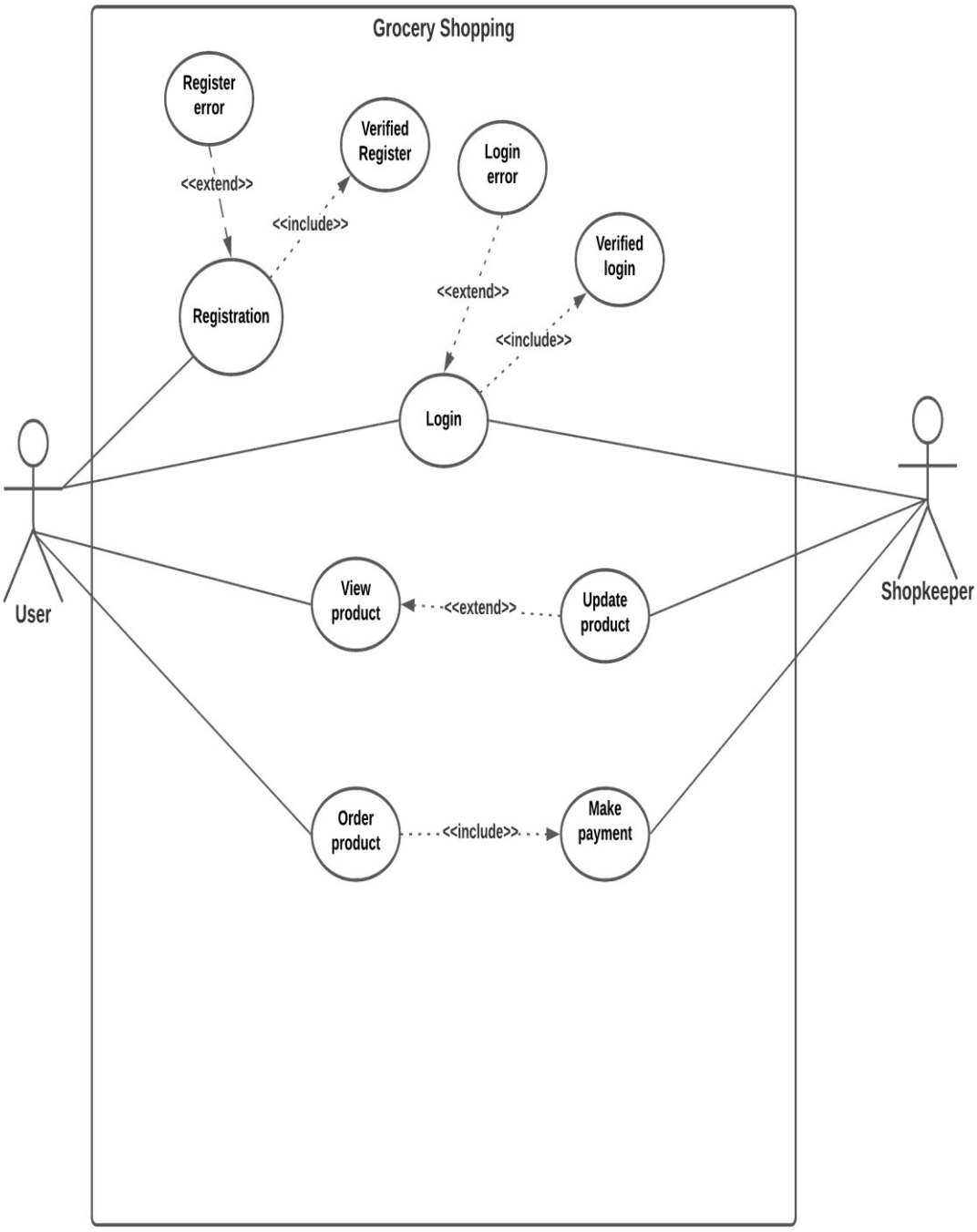
Payment

Payment_id	Amount	Payment_type

3. Sequence Diagram



4. Use Case


Grocery Shopping
Register error
Verified Register
Login error
<<extend>>
<<include>>
Verified login
Registration
<<extend>>
<<include>>
Login
User
Shopkeeper
View product
<<extend>>
Update product
Order product
<<include>>
Make payment