

Team 7- Consultancy Project for Balamurugan Emporium

R.PRADEEP RAJ (TEAM LEADER)

M.SANTHOSH SANKAR(15I T081)

N.PONSELVAM(15I T127)

S.SARAVANA PRABHAKAR(15I T083)

V.SELVAARASAN(15I T130)

Purpose and Scope

- ▶ Our project deals with the foundation of providing an user interactive mobile application only useful and intended for the usage of the shop owner.(Root user alone permitted)
- ▶ The shop owner can use our mobile application to update the stock and maintain the stock and list of items present in the shop.
- ▶ The user can also generate the bill for the customers along with the GST and delete the bill if any flaw has occurred.

Project Functions

1. Collect the list of clothing items present in the shop.
2. Provide id for each cloth item such that the item can be used for easy retrieval of data.
3. The collected data is entered in the mobile application for further data entry.
4. The entered is stored in the database and is used for billing calculation and display purposes.

General Constraints

- ▶ The owner of the application(Shop owner) must have basic knowledge of how to use the android phones.
- ▶ The id assigned for each item must be remembered by the shop owner for the calculation of the bills.

External Interface Requirements

- ▶ Software Interface-

 - An android OS greater than KItKat(4.4.2)

 - Android Studio3.1 with SDK

- ▶ Hardware Requirements-

 - An good condition mobile phone

Functional Requirements

- ▶ Feature #1: Collecting data from the shop owner.
- ▶ Feature #2: Database creation in Android Studio.
- ▶ Feature #3: Displaying the items.
- ▶ Feature #4: Bill Generation. (based on GST)
- ▶ Feature #5: Bill Deletion.

Objective and Concepts

The team members went to collect the necessary data required to the building of the mobile application by collecting the data of the clothing items present and getting genuine product ID for each data item.

A basic database is created for the mobile application by storing the item id, item name, price and number of items present in the shop.

The data is entered for each items and it is linked with the respective item id and the data stored in the data is displayed for user convinence.

The bill is generated for the purchased items along with the GST and the stock is deducted.

If the owner makes any mistake or flaw the owner quickly deletes the bill by just entering the bill ID.

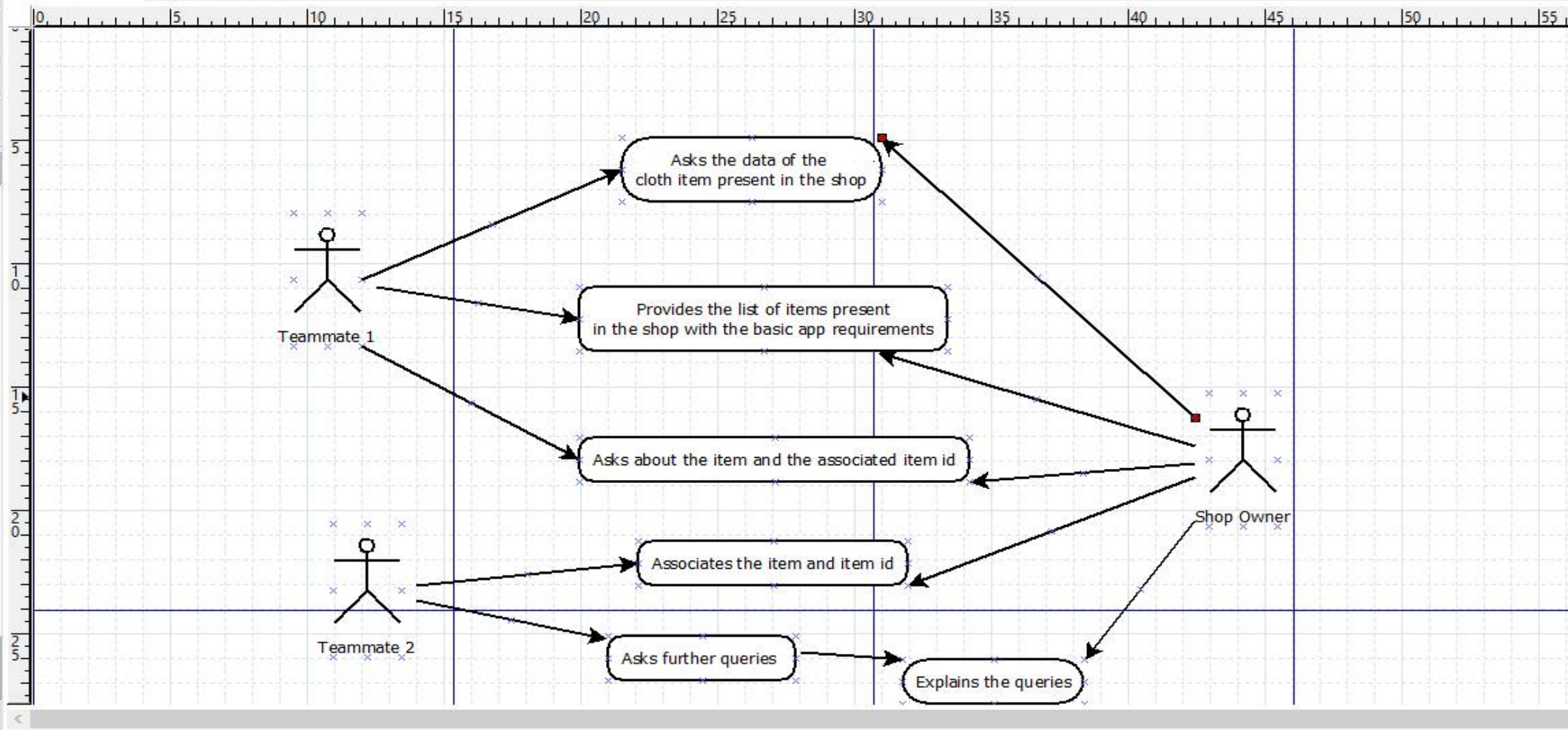
use case

dia (C:\Users\SANTHOSH SANKAR M\Pictures) - diaw.exe

File Edit View Layers Objects Select Tools Input Methods Help



Diagram1.dia x Diagram2.dia x



Data Collection – Use Case Description

Use Case ID	PS v 1.2.1
Use Case Name	Data Collection
Created By	Santhosh Sankar M
Date Created	3/04/2018
Last Updated By	Santhosh
Last Revision Date	4/04/2018
Actors	Teammate1,Teammate2,Shop Owner
Description	Allows the collection of data for the building of the mobile application

Trigger	Interactive session between the design team and shop owner
Precondition	Good communication skill between personnals
Normal Flow	<p>Ask details of items</p> <p>Says about the items in the shop</p> <p>Asks about generating an id for each item</p> <p>Generated id is used for mapping for each item</p> <p>Ask further queries</p> <p>Responds to the queries</p>
Assumption	The owner has prior knowledge of how to use android.

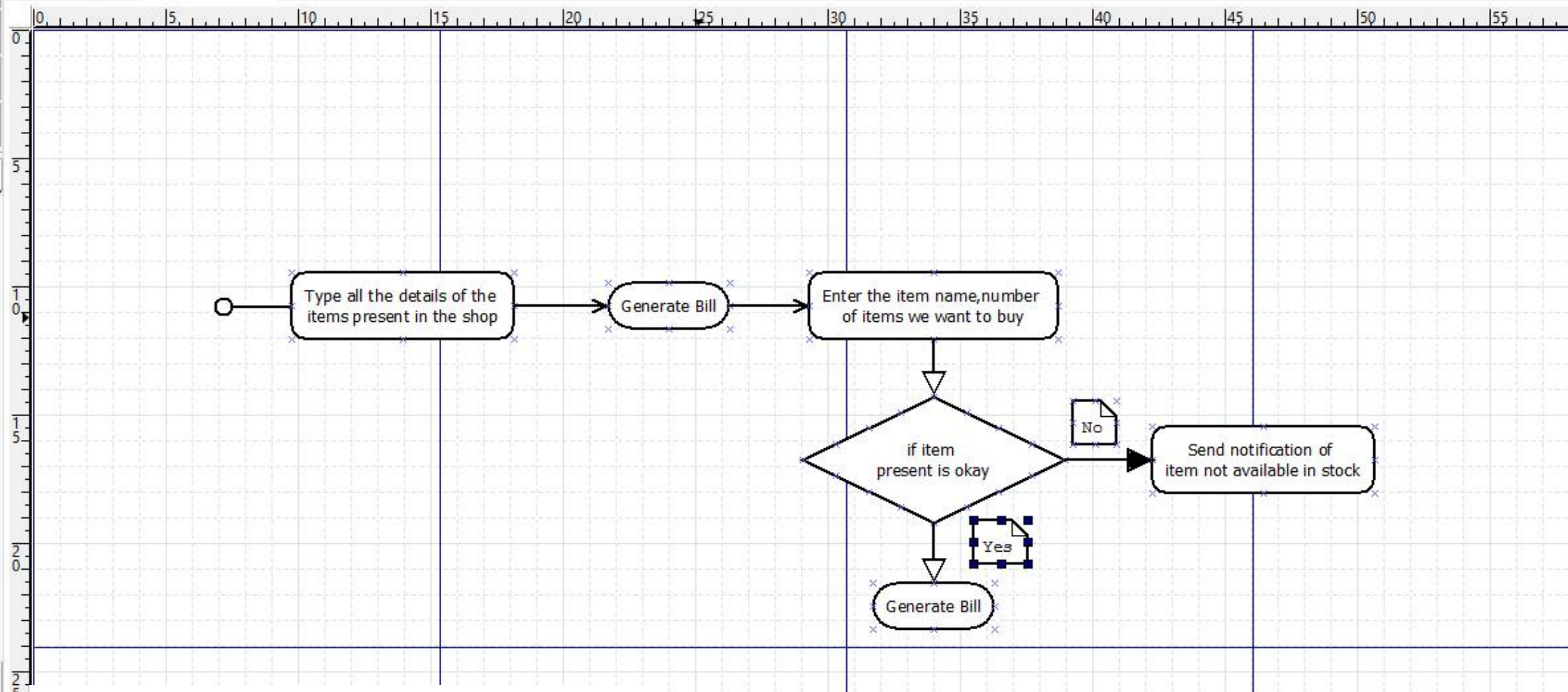
Activity Diagram

\\SANTHOSH SANKAR M\\Pictures) - diaw.exe

Objects Select Tools Input Methods Help



Diagram1.dia x Diagram2.dia x



Individual Contributions

- ▶ Collecting data from the shop owner. – Pradeep Raj,Selvarasan
- ▶ Database creation in Android Studio. – Ponselvam
- ▶ Displaying the items. Selvarasan,Saravanna Prabhakar
- ▶ Bill Generation. (based on GST) Santhosh Sankar
- ▶ Bill Deletion. Saravana Prabhakar

Scope for Consultancy Project

- ▶ Letter signed by the shop owner for accepting our consultancy project.(Proof with Team Leader)



Thank You