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# CAKE WALKERS

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Project Name: Online Cake Store



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# Online Cake Store

## 2. Introduction

A famous Cake store in Chicago city with an option for their customer to check for variety of cakes available at the online store for purchase. The system consists of list of Cakes displayed in various categories and the user can browse through these items as per categories. If the user likes to place an order they may add it to their shopping cart.

Once user wishes to checkout he must register on the site first. He can then login using same id password next time. Now he may pay through a credit card or cash on delivery. Once the user makes a successful transaction they will get a copy of the shopping receipt to the registered email id.

## 3. Purpose

- ✓ To build a common online platform for customers to order cake
- ✓ Hassle-free application for the customers
- ✓ Search your cakes depending upon your specifications

## 4. Expected Outcomes

- ✓ Any Customers will be able to view cake varieties available in cake shop
- ✓ Sign up will register customer or admin
- ✓ Sign In will check for authentication of Admin/Customer
- ✓ Registered Customers will be able to view their orders and its status
- ✓ Admin will be able to view all the orders and its status
- ✓ Admin will be able to add Store Keeper or managers

- ✓ Store keeper will be able to update product details
- ✓ Customers should be registered to place order
- ✓ They will be able to select favorite cake, quantity and add to cart
- ✓ To order Cake online customer can using Credit card or Cash on delivery
- ✓ On successful payment email notification will be sent to registered mail id

## 5. Technologies Used

### 5.1 Front End

**JavaFX:** Software platform for creating and delivering desktop applications

### 5.2 Back End

**Oracle SQL Developer:** Integrated development environment for working with SQL in Oracle databases

### 5.3 Technical Requirements

- ✓ Java
- ✓ JavaFX
- ✓ Oracle Database or MySQL

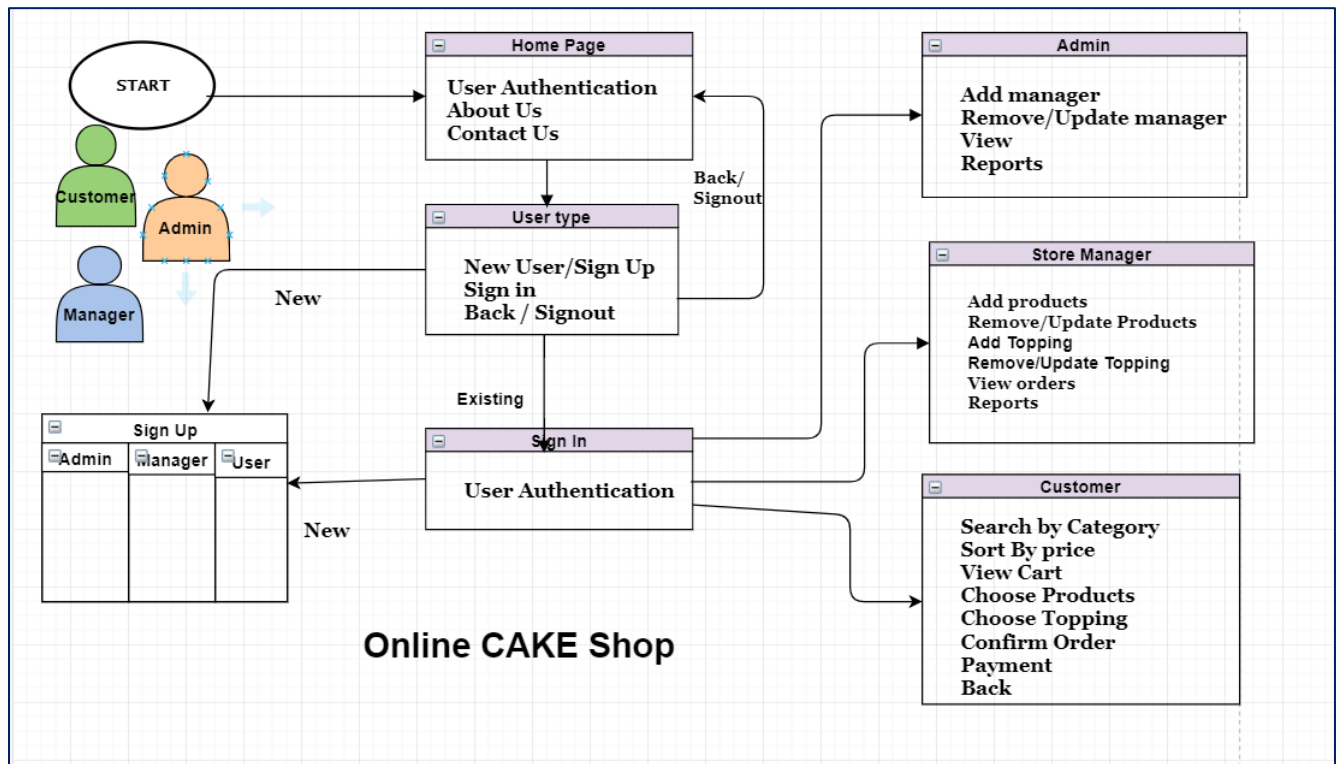
### 5.4 Domain Knowledge Requirements

- ⇒ Online ordering
- ⇒ Cake Shop

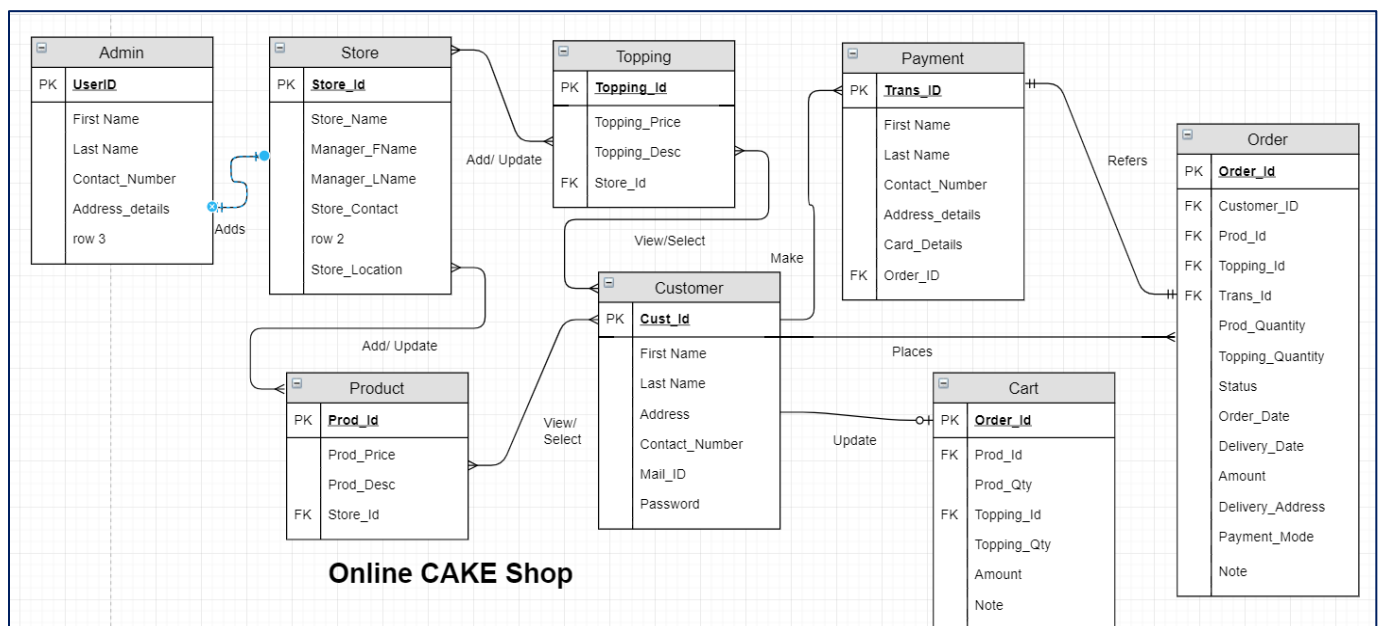
### 5.5 Tools Used

- ✓ Java Eclipse 2018-12
- ✓ Oracle SQL Developer

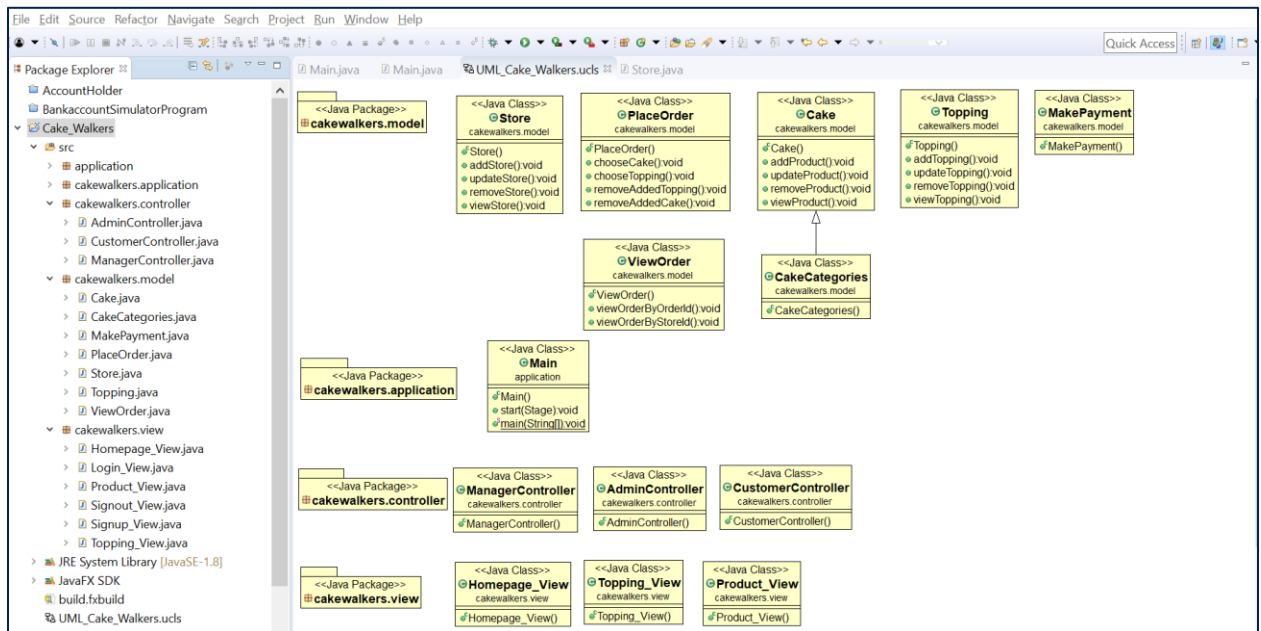
## 6. Initial High-Level Architecture



## 7. ER Diagram



## 8. UML Diagram



## 9. MVC Model

```
1 package cakewalkers.application;
2
3 import javafx.application.Application;
4
5
6
7
8 public class Main extends Application {
9     @Override
10    public void start(Stage primaryStage) {
11        try {
12            BorderPane root = new BorderPane();
13            Scene scene = new Scene(root, 400, 400);
14            scene.getStylesheets().add(getClass().getResource("application.css").toExternalForm());
15            primaryStage.setScene(scene);
16            primaryStage.show();
17        } catch (Exception e) {
18            e.printStackTrace();
19        }
20    }
21
22    public static void main(String[] args) {
23        Launch(args);
24    }
25 }
26
27
28
```