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COMPUTING AND
SOFTWARE DEVELOPMENT
AKURDI, PUNE

Documentation On

“Online Cake Shop”
PG-DAC Sept 2021

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Project Guide

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1. INTRODUCTION

An online cake booking system is a project in which customers can give orders online according to his requirement. Customers can check the available cake directly on the website.

The focus of the cake order system is more on providing easy-to-check and buys a cake to customers at any condition. Through online cake booking, customers can easily book cakes online at any time without going to the shop and which cake is available and what is the price of the cake through the website.

So customers can check cakes from anywhere and book cakes as per choice.

2. PROJECT OVERVIEW AND SUMMARY

2.1 Purpose:

Small businesses around the world are going through some truly tough times. In light of the current pandemic, many will increasingly rely on online solutions to make sales. Luckily, as a bakery business, we have plenty of ways to move our operations online and continue sharing our goods with customers.

On the other hand, anyone thinking about starting a bakery or sharing their homemade recipes with people should also consider starting an online bakery. It will not only create an income stream during these uncertain times, but it could also commence a sustainable, life-long business for us.

2.2 Scope:

Customers can see the available cake and prices on one page. The customer can buy and book the cake and also pay for the cake. Customer can makes suggestions and complaints directly from the website If he has to make changes in order according to his requirements he can send info via contact form. We have made a complaints dashboard directly in the web app so vendors don't need to look elsewhere.

3. FUNCTIONAL REQUIREMENT

3.1.1 Customer Module

1. Customers are users of this web application who can place Cake orders.
2. Customers can send suggestions and complaints directly from the website.
3. Also able to categorize the cakes as per need.

Registration Process:

- The online Cake Shop web application compels you to create an account before using it. This is the prerequisite for users to create an account before placing an order
- When a Customer creates a new account, the function demands information as described below.
 1. Reg. Id
 2. Name
 3. Password
 4. E-mail address
 5. Contact
- Reg. Id-The Reg. The id should be unique. If the Reg. Id corresponds with not case-sensitive to other which is previously registered, the Reg. Id should not be registered as an account.
- Password
 - o The Password has constrained which makes the Password consists of more than or equal 8 and less than or equal 16 characteristics including characters described as below.
- Contact Details-This is a Mandatory field.

Login Process

- Online Cake Shop Web application always compels user authentication before using itself except when a new account is successfully created.
 - · The user authentication demands User ID and Password. The User ID and the Password should be checked in three ways.
 - · First, The Reg. Id and the Password should be existed and correct.
 - If The Reg. Id and the Password are not equal to what the user has registered, the user authentication cannot be provided.
- The “Customer Home” provides some items described as below.

Book order

- Order is booked as per the selected cake.

Payment Option

- · Redirected to the payment process.

3.1.2 Admin Module

- The online Cake Shop web application compels you to create an account before using it. This is the pre-requisite for admin to create an account before having access to admin dashboard.
- · Main /Primary admin have authority to add new admin.

Registration information

The registration information consists of some items as described below.

- · Reg. Id
- · Name
- · Contact
- · E-mail address

- · Password

· Reg. Id-

- The Admin ID should be unique. If the Admin ID corresponds with not case-sensitive to others which is previously registered, the Admin ID should not be registered as an account.

Login Process

- The online Cake Shop application always compels user authentication before using itself except when a new account is successfully created.
- The user authentication demands User ID and Password. The User ID and the Password should be checked in three ways.
- First, The User ID and the Password should be existed and be correct.
- If The User ID and the Password are not equal to what the user has registered, the user authentication cannot be provided.

Admin Dashboard

- The “Admin Home” provides some items described as below.
 1. Check order-
 - An admin dashboard can check orders placed by users.
 2. Check Complaints-
 - An admin dashboard can check the complaint and delete it after resolved it

3. Add cakes-

- An admin dashboard can add cake select categories, insert price.

4. Update Cake-

- An admin dashboard can update cake as per admin.

5. Add Admin-

- An admin dashboard can add another admin.

3.1.3 Use Case:

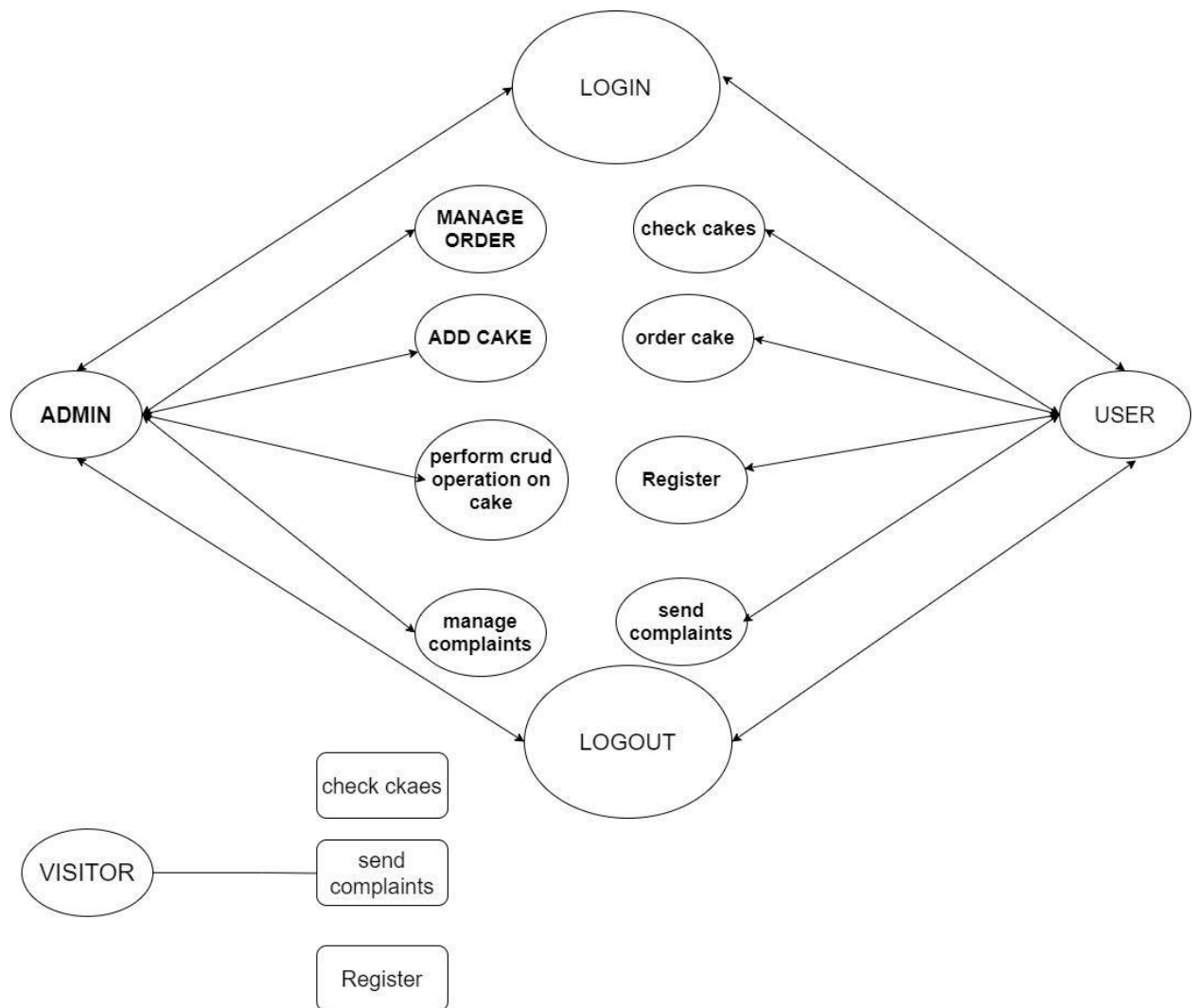


Figure 1. Use Case

3.1.4. E-R Diagram

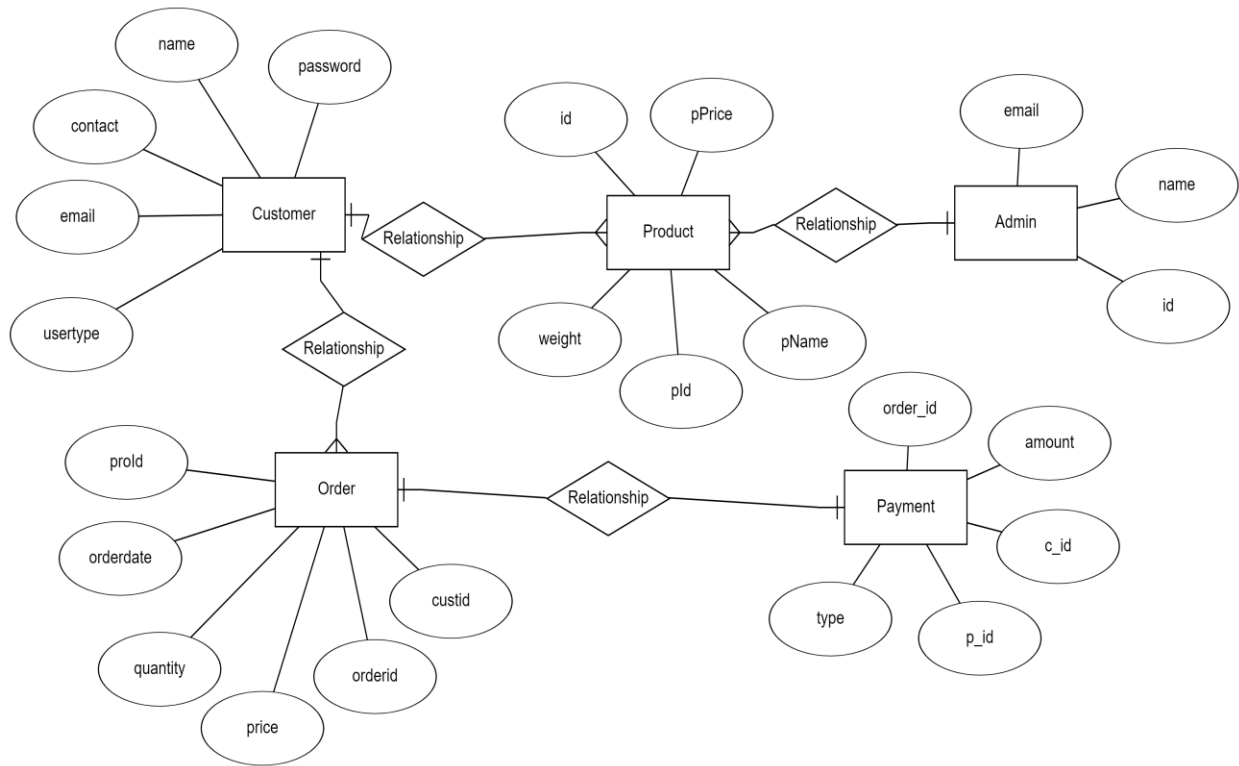


Figure 2. Entity Relation Diagram

3.2 Non-Functional Requirement

Visual Studio Code: To develop both front-end and back-end we need Visual Studio Code and STS-IDE for coding and updating purposes.

Git: As two of us doing work from home so to maintain accurate repo of the project for all members we required git as a remote repository. On git, we made branches for everyone and only tested accurate code was merged to master branch from where all of us can get updated code.

NPM-packages: To implement and perform various predefined inbuilt functionality of React we need various npm packages like React-redux, Axios, and various node modules, etc.

Postman: Postman is a very useful application to test back-end queries while design and developing the back-end code. We have tested our required queries on it.

MySQL: We decided to use MySQL as a database tool for developing this project. We created a separate database and inserted all data into that so that we can access it dynamically.

Browser: Browser is required for testing front-end and dynamic code, we can inspect our code on run-time on it. We prefer Google Chrome, as it is user-friendly and reliable.

3.2.1 Usability requirements:

Online cake order system

- To use the Online cake system users should have a good browser and good internet connection. The customer can require his email id for signup and for placing an order.

3.2.2 Performance Requirement:

- To achieve better performance of this application, the user must have a good internet connection.

3.2.3 Portability and Reliability Requirement:

- The online cake booking system is a user-friendly application. Users can use this website on desktop, laptop, tablet, and mobiles, as we developed it on React.

4. PROJECT DESIGN

4.1 Database Diagram

1. Registration Table

Field	Type	Null	key	Default	Extra
rigid	int	No	Primary	NULL	Auto_increament
Contact	Varchar(25)	Yes		NULL	
Email	Varchar(50)	Yes		NULL	
Name	Varchar(50)	Yes		NULL	
Password	Varchar(50)	Yes		NULL	
Ustertype	Varchar(100)	Yes		NULL	

2. Login Table

Field	Type	Null	key	Default	Extra
Uid	int	No	Primary	NULL	
Pwd	Varchar(50)	Yes		NULL	
User	Varchar(50)	Yes		NULL	

3. Customer Order Table

Field	Type	Null	key	Default	Extra
Ord_id	int	No	Primary	NULL	auto_increment
Cake_id	int	Yes		NULL	
Customer_id	int	Yes		NULL	

4. Cake Information Table

Field	Type	Null	key	Default	Extra
Cake_id	int	NO	Primary	NULL	auto_increment
Catagery	Varchar(50)	YES		NULL	
Name	Varchar(50)	YES		NULL	
Price	int	YES		NULL	
Weight	Varchar(50)	YES		NULL	
Customer_regId	int	YES	Mul	NULL	

5.Customer Order

Field	Type	Null	key	Default	Extra
Order_id	int	NO	Primary	NULL	auto_increment
Cake_id	int	YES		NULL	
Customer_id	int	YES		NULL	

6. Customer Complaint Table

Field	Type	Null	key	Default	Extra
Id	bigint	No	Primary	NULL	auto_increment
Email_id	Varchar(50)	Yes		NULL	
Mobile No	Varchar(50)	Yes		NULL	
Msg	Varchar(250)	Yes		NULL	
Name	Varchar(50)	Yes		NULL	
Ord_Id	Int	Yes		NULL	

5.Conclusion

The online Cake booking system is just a new experience of buying cake virtually with comfort at your home. Customers can get all details of the cake and the price of the same. This will help the customer make a better choice also it will help the vendor and shop owner to earn more profit and help in India's digital revolution.

Future Scope

The project made here is just to ensure that this product could be valid in today real challenging world.

The future scope of this product is customer can customize design and ingredients as per their wish.

Payment gateway to pay via online debit card and other payment method. It will increase digital ecosystem.