



**INSTITUTE FOR ADVANCED COMPUTING AND
SOFTWARE DEVELOPMENT AKURDI, PUNE**

Documentation On

**“DineEazy”- Online Restaurant
Table Reservation System**

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ABSTRACT

This project is a web-based table booking system for an existing restaurant. The project objective is to deliver the online table booking application into web platform.

This project is an attempt to provide the advantages of online table booking to customers of a real restaurant. It helps for booking the tables of restaurant anywhere through internet by using a website device. Thus, the customer will get the service of online table booking and book menu from his favorite restaurant. This system can be implemented to any restaurant in the locality or to multinational branded restaurant having retail outlet chains.

If restaurant is providing an online portal where their customers can enjoy easy table booking from anywhere, the restaurants won't be losing any more customers to the trending online restaurants such as Zomato or Swiggy.

ACKNOWLEDGEMENT

I take this occasion to thank God, almighty for blessing us with his grace and taking our endeavor to a successful culmination. I extend my sincere and heartfelt thanks to our esteemed guide, **Mrs. Rupali Thorat** for providing me with the right guidance and advice at the crucial juncture and for showing me the right way. I extend my sincere thanks to our respected **Centre Co-Ordinator Mr. Rohit Puranik**, for allowing us to use the facilities available. I would like to thank the other faculty members also, at this occasion. Last but not the least, I would like to thank my friends and family for the support and encouragement they have given me during the course of our work.

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INTRODUCTION

This project is a web-based restaurant table booking system for an existing restaurant. Visiting restaurant for having good food stuff has become common these days. Besides good food, service is also an important factor which attracts customers. Generally, we have to wait in the restaurant for table availability and it leads to time wasting. We don't know which food stuff is good for a particular restaurant and become a tough job to decide the food stuff for having. And there is no review system for particular foodstuff which we are having. We feel irritated when hotel service is not good due to lack of technology and communication.

In the world of technology, we can effortlessly get data about restaurant services with help of mobile internet. So here we develop a system which eliminates the above defined problems, called Online Restaurant Table Booking System (ORTBS). In our system, there are four interfaces.

- In the first system: User can login into the web-application and search the restaurant according to the user location. Different restaurants' information is shown to the user with the live status of the restaurant tables. The user can book the table from the application, pre-order the food stuff and make the payment through application.
- In the second system: The hotel owner is provided an interface through which he/she manages the order of the customer and also update the dynamic menu of the restaurant.
- In the third system: The customer order details are shown on the kitchen display desktop and staff serves the order when the customer arrives.
- In the fourth system: Every table of the restaurant has a tablet which works as a digital menu card. The user can directly order the food from tablet available on the table and make the payment.

Basically, ORTBS is a system, developed for the restaurant as well as for user for pre-booking the food by the user themselves which will lead to decrease the total time for serving the food. This project is for digital ordering system and lives status of the table.

Features: -

1. Provide dynamic menu
2. Live status of table
3. Order the food from tablet or mobile
4. Payment through application

1.1 PROJECT OBJECTIVE

The objective of the project is to make an application on a web platform to book tables at restaurants. In order to build such an application, complete web support needs to be provided. A complete and efficient web application that can provide an online restaurant table booking experience is the basic objective of the project.

1.2 PROJECT OVERVIEW

The core and the primary objective of this Web based Application is to provide diner a platform that allows to make online table reservations at their favourite restaurants and can check out the menu of their choice from a restaurant as per their convenience. The second most objective is to provide an online platform for a restaurant owner to post their restaurant on the proposed web application so as to grow in the business. In manual system, everything depends upon waiter & booking diary and there is no automated system for keeping the records. Therefore, it is aimed to develop an application for table reservation and online menu booking. This idea is discovered by keeping in mind the fact that people consider it a pain to go to the restaurant because of absolute amount of time required to find a desired one. Also, it's difficult to get a booking and equally time consuming to go through the menu and then to order the dishes. In addition to that the restaurant Managers have to analyse and keep hundreds of paper receipts to maintain the records and hence this application may help the restaurant in a digital way by keeping track of the bookings through the admin portal provided. The customer has to become a member first then he can access the later part of the application for which first of all registration is a compulsion but the same is not applicable for a normal visitor to web application as he/she can still check out some features. The customer can check availability of seats at a particular timing and book a seat if available. The customer is also given with the facility to view the booking details and can cancel the booking if required. If failed to arrive on time the booking request will automatically be cancelled from Restaurant side and amount will not be refunded. The pre-ordering of food is the great feature for diner in addition to table reservation. The customer can go thought various cuisines and food items listed on application where he/she can select the food and add to his/her basket and can processed with confirmation to place a pre-order for the given time slot and thus this idea will eventually It

saves diner's time looking out for restaurants. Also, it saves business assets and costs.

1.3 PROJECT SCOPE

We are proposing this above titled web application that will help customers to save time and make it a more memorable experience. Online reservation platforms primarily provide a platform that allows people to make online table reservations at their favourite restaurants in a seamless & hassle-free manner. Diners can choose a restaurant based on location, day, timing, cuisine and number of guests. Apart from this core feature, the web application also maintains restaurant listing with ratings, reviews, ambience and menus to help out diners in deciding the right dining outing as per their specific taste. The owners can also add their restaurant on the web application. Putting restaurant online will increase profit and helps to create an unforgettable brand for owner's restaurant.

1.4 STUDY OF THE SYSTEM

1.4.1 MODULES:

The system after careful analysis has been identified to be presented with the following modules and roles.

The modules involved are:

- Administrator
- Customer
- Restaurant Owner

1.4.1.1 Administrator:

The administrator is the super user of this application. Only admin have access into this admin page. Admin may be the owner of the shop. The administrator has all the information about the users and about all products.

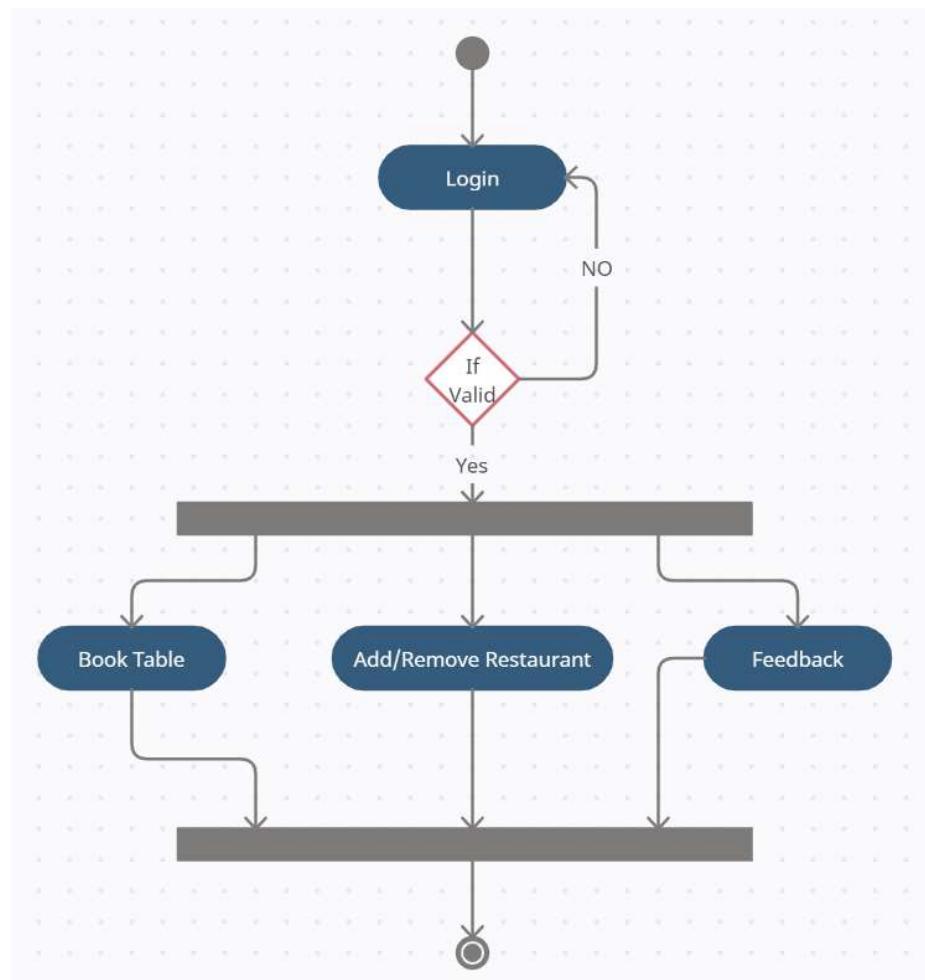


Figure 1 Admin Activity Diagram

➤ Add Restaurant

The restaurant contains different kinds of specifications of different restaurant. The restaurant be classified into different categories by name. Admin can add new restaurant into the existing system with all its details including an image.

➤ **Remove Restaurant**

Administrator can remove the restaurant based on the details of that particular restaurant.

➤ **Maintenance**

Admin will fix the bugs, improvements and upgrades are necessary maintaining customer loyalty.

➤ **Sign in**

This feature is provided so that admin can add as many customers and restaurant.

➤ **Sign Up**

This feature is provided so that admin can register new user, new customer and new restaurant.

➤ **View Customer Profile**

Admin have the privilege to view the customer profile and can view the which customer has given the feedback and rating.

➤ **Book a Table**

Admin have the privilege to book a table.

➤ **Add Customer Profile**

Only admin is having the privilege to add a new customer.

1.4.1.2 Customer:

Restaurant customer service is the service and care provided by restaurants to diners. This can include everything from the actual dining experience to the long-term relationship building today's restaurants accomplish with loyalty programs and other strategies.

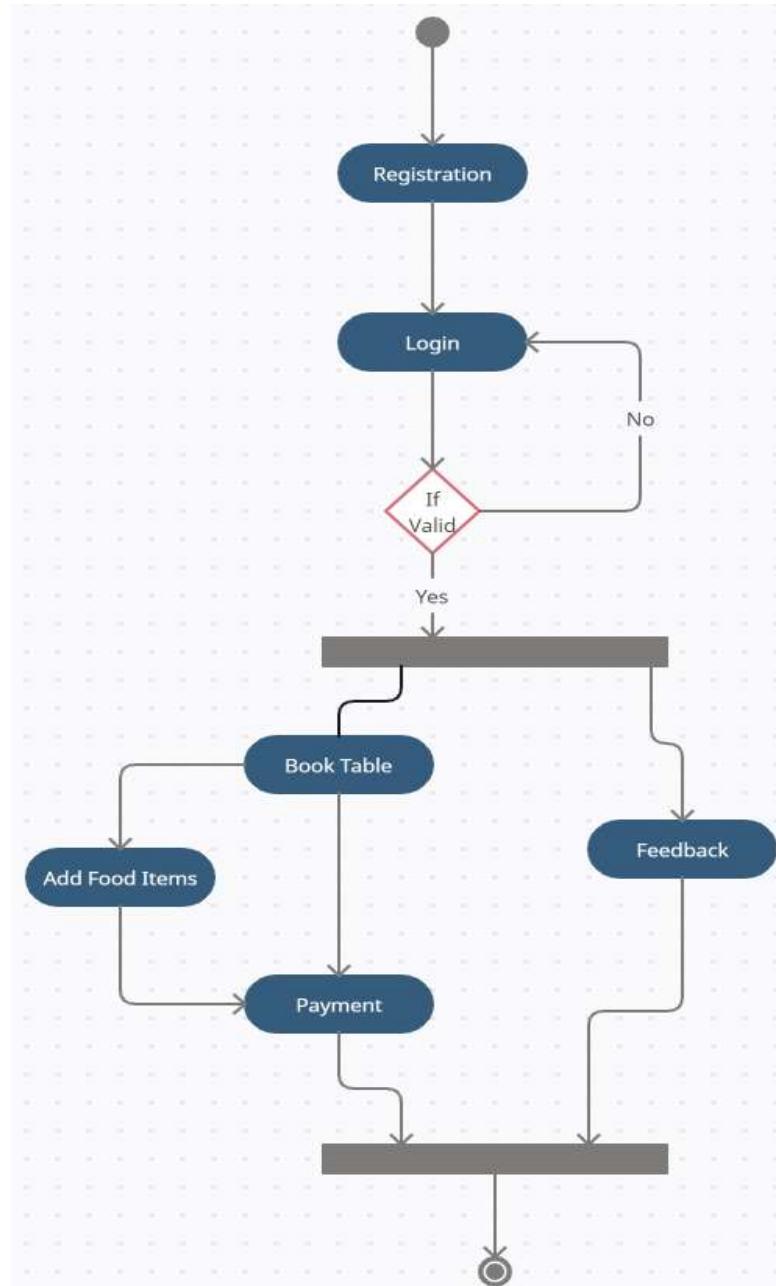


Figure 2 Customer Activity Diagram

➤ **Cancel Booking**

Customer can cancel the booking.

➤ **Give Feedback**

Customer can give the proper feedback and rating to particular restaurant and the food served by the restaurant.

➤ **View Ordered History**

Customer has the privilege to view the ordered history.

➤ **Sign in**

This feature is provided so that admin can add as many customers and restaurant.

➤ **Sign Up**

This feature is provided so that admin can register new user, new customer and new restaurant.

➤ **Book Food items**

Customers can prebook the food so that they can utilize the time if they get late.

➤ **Book a Table**

Customer have the privilege to book a table.

➤ **Payments**

Customer can see payment details of the ordered restaurant by the customer.

1.4.1.3 Restaurant Owner:

Restaurant owners oversee the day-to-day operations of a restaurant, managing staff, resolve customer issues and work to make the establishment profitable. Although no degree is required, restaurant owners typically have a wealth of experience in the business.

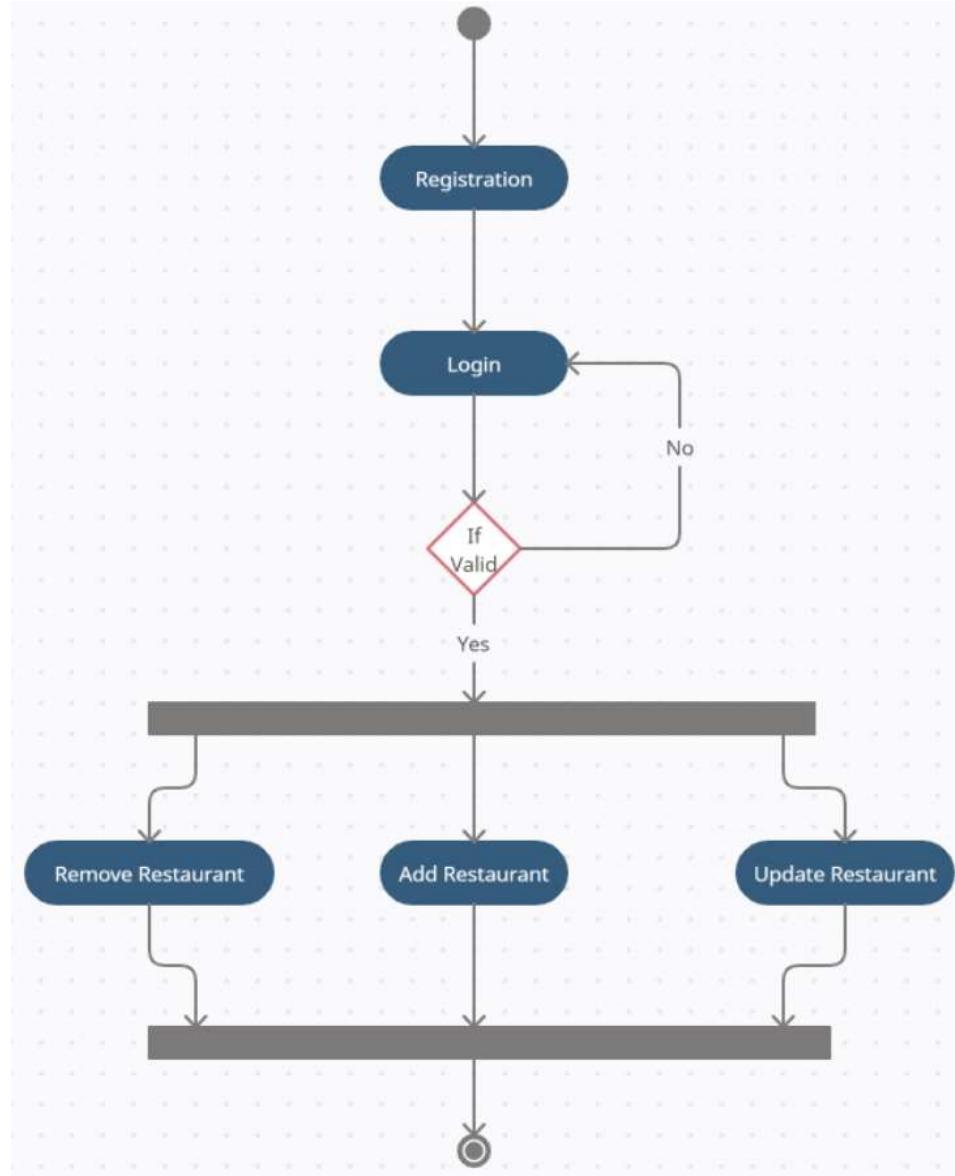


Figure 3 Restaurant Owner Activity Diagram

➤ **Add Restaurant**

Restaurant management can add their restaurant details and can also add the image of restaurant.

➤ **Remove Restaurant**

Restaurant Owner can remove the restaurant based on the details of that particular restaurant.

➤ **Sign in**

This feature is provided so that admin can add as many customers and restaurant.

➤ **Sign Up**

This feature is provided so that admin can register new user, new customer and new restaurant.

➤ **Add new cuisines**

Restaurant can add their new cuisines in the menu list.

➤ **Book a Table**

Restaurant owner have the privilege to book a table.

➤ **Update Restaurant Info**

Restaurant management team can update their restaurant information.

SYSTEM ANALYSIS

System analysis is the process of gathering and interpreting facts, diagnosing problems, and using the information to recommend improvements on the system. System analysis is a problem-solving activity that requires intensive communication between the system users and system developers.

System analysis or study is an important phase of any system development process. The system is viewed as a whole, the inputs are identified, and the system is subjected to close study to identify the problem areas. The solutions are given as a proposal. The proposal is reviewed on user request and suitable changes are made. This loop ends as soon as the user is satisfied with the proposal.

2.1 EXISTING SYSTEM

The current system for restaurant table booking is to visit the restaurant manually and, from the available number of tables, choose the number of tables for their restaurant after paying the price of the particular restaurant.

- ✓ It is less user-friendly.
- ✓ User must go to restaurant and book the tables.
- ✓ It is difficult to identify the required restaurant.
- ✓ Description of the restaurant limited.
- ✓ It is a time-consuming process
- ✓ Not in reach of distant users.

2.2 PROPOSED SYSTEM

In the proposed system customer need not go to restaurant to pre-book the tables. He can book the particular restaurant table he wishes to book through the web-application. The restaurant owner will be admin of the system. Restaurant owner can appoint moderators who will help owner in

managing restaurant management system.

2.3 SYSTEM REQUIREMENT SPECIFICATION

2.3.1 GENERAL DESCRIPTION

Product Description:

The system consists of two parts. a web application that can provide the online restaurant table booking system service for the customer to access from his system. The web application should be able to help the customer select his favourite restaurant and help the owner manage the restaurant for the customers.

Problem Statement:

As online Table Reservation System is a web-based solution for a Restaurant's Pre-Ordering module; automation and digitalization of table reservation process along with pre-ordering of food. This system would allow restaurants to increase the scope of business and save a lot of time with table reservations as previous bookings are open. The system also makes it possible to quickly and easily control an online menu that customers can search and use with only a few clicks to place orders. Recommendations would be based on user activation and specifications.

2.3.2 SYSTEM OBJECTIVES

- To provide a Web application for online restaurant table booking in an existing restaurant.
- To provide an online menu and pre-book from the same restaurant.

2.3.3 SYSTEM REQUIREMENTS

2.3.3.1 NON-FUNCTIONAL REQUIREMENTS

i. EFFICIENCY REQUIREMENT

A reservation system helps businesses optimize restaurant seating layouts, so that they can accommodate more customers and give guests more accurate wait times. If the wait becomes

longer than anticipated, the host can adjust expectations and offer a complimentary snack or beverage.

ii. RELIABILITY REQUIREMENT

Using a restaurant reservation system can help you predict wait times and turnaround tables faster. This is a win-win situation for both restaurant owner and customers because they're assured a seat and you're able to manage your restaurant more efficiently.

iii. USABILITY REQUIREMENT

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

iv. IMPLEMENTATION REQUIREMENT

Implementation of the system using React in front end with Spring Boot as back end and it will be used for database connectivity. And the database part is developed by MySQL. Responsive web designing is used for making the website compatible for any type of screen.

v. DELIVERY REQUIREMENT

The whole system is expected to be delivered in one months of time with a weekly Evaluation by the project guide.

2.3.3.2 FUNCTIONAL REQUIREMENTS

CUSTOMER

➤ **LOGIN**

Description of feature

This feature used by the customer to login into system. A customer must login with his username 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.
- Password should be hidden from others while typing it in the field

➤ REGISTER NEW USER

Description of feature

A new user will have to register in the system by providing essential details in order to view the restaurant and reserve the table in the system. The admin must accept new user by unblocking him.

Functional Requirement

- System must be able to verify and validate information.
- The system must encrypt the password of the customer to provide security.

➤ ADDING RESTAURANT

Description of feature

The restaurant owner can add their respective restaurant and by clicking onto the restaurant we will be able to see the description & reviews of restaurant. Owner can remove a menu from the cuisines by clicking remove.

Functional Requirement

- System must ensure that, only a registered owner can add their restaurant
- Admin account should be secured so that only owner of the restaurant can access that account

MODERATOR

Description of features

A moderator is considered as a staff who can manage reservation for the time being. As a future update moderator may give facility to add and manage his own available tables. Moderators can reduce the workload of admin. Now moderator has all the privilege of an admin having except managing other moderators. He can manage users and manage products. He can also check the reservation and edit his profile.

Functional Requirement

- The system must identify the login of a moderator.

ADMIN

➤ MANAGE USER

Description of features

The administrator can add user, delete user, view user and block user.

➤ MANAGE MODERATOR

Description of features

The administrator can add moderator, delete moderator, block moderator and search for a moderator.

➤ MANAGE RESERVATION

Description of features

The administrator can add reservation, delete reservation, and view reservation.

➤ **MANAGE
RESERVATION**

Description of features

The administrator can view orders and delete orders.

Functional Requirements:

- The system must identify the login of the admin.
- Admin account should be secured so that only owner of the shop can access that account.

MODERATOR

Description of features

A moderator is considered as a staff who can manage orders for the time being. As a future update moderator may give facility to add and manage his own reservation. Moderators can reduce the workload of admin. Now moderator has all the privilege of an admin having except managing other moderators. He can manage users and manage reservation. He can also check the orders and edit his profile.

Functional Requirement

- The system must identify the login of a moderator.

SYSTEM DESIGN

System design is the solution for the creation of a new system. This phase focuses on the detailed implementation of the feasible system. Its emphasis on translating design. Specifications to performance specification. System design has two phases of development.

- Logical Design
- Physical Design

During logical design phase the analyst describes inputs (sources), outputs(destinations), databases (data stores) and procedures (data flows) all in a format that meets the user requirements. The analyst also specifies the needs of the user at a level that virtually determines the information flow in and out of the system and the data resources. Here the logical design is done through data flow diagrams and database design. The physical design is followed by physical design or coding. Physical design produces the working system by defining the design specifications, which specify exactly what the candidate system must do. The programmers write the necessary programs that accept input from the user, perform necessary processing on accepted data and produce the required report on a hard copy or display it on the screen.

3.1 INPUT AND OUTPUT DESIGN

3.1.1 INPUT DESIGN:

Input design is the link that ties the information system into the world of its users. The input design involves determining the inputs, validating the data, minimizing the data entry and provides a multi-user facility. Inaccurate inputs are the most common cause of errors in data processing. Errors entered by the data entry operators can be controlled by input design. The user-originated inputs are converted to a computer-based format in the input design. Input data are collected and organized into groups of similar data. Once identified, the appropriate input media are selected for processing. All the input data are validated and if any data violates any conditions, the user is

warned by a message. If the data satisfies all the conditions, it is transferred to the appropriate tables in the database. In this project the student details are to be entered at the time of registration. A page is designed for this purpose which is user friendly and easy to use. The design is done such that users get appropriate messages when exceptions occur.

3.1.2 OUTPUT DESIGN:

Computer output is the most important and direct source of information to the user. Output design is a very important phase since the output needs to be in an efficient manner. Efficient and intelligible output design improves the system relationship with the user and helps in decision making. Allowing the user to view the sample screen is important because the user is the ultimate judge of the quality of output. The output module of this system is the selected notifications.

DATABASE DESIGN

3.2 DATABASE

Databases are the storehouses of data used in the software systems. The data is stored in tables inside the database. Several tables are created for the manipulation of the data for the system. Two essential settings for a database are

- Primary key - the field that is unique for all the record occurrences
- Foreign key - the field used to set relation between tables

Normalization is a technique to avoid redundancy in the tables.

3.3 SYSTEM TOOLS

The various system tools that have been used in developing both the front end and the back end of the project are being discussed in this chapter.

3.3.1 FRONT END:

React is a library which is developed by Facebook are utilized to implement the frontend. React (also known as React.js or ReactJS) is a free and open-source front-end JavaScript library for building user interfaces or UI components. It is maintained by Facebook and a community of individual developers and companies. React can be used as a base in the development of single page or mobile applications. However, React is only concerned with state management and rendering that state to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

3.3.2 BACKEND:

The back end is implemented using MySQL which is used to design databases.

MySQL:

MySQL is the world's second most widely used open-source relational database management system (RDBMS). The SQL phrase stands for Structured Query Language. An application software called Navicert was used to design the tables in MySQL.

Spring-Boot:

This is used to connect MYSQL and fetch data from database and store the data in database. The Spring Framework is an application framework and inversion of control container for the Java platform. The framework's core features can be used by any Java application, but there are extensions for building web applications on top of the Java EE (Enterprise Edition) platform. Although the framework does not impose any specific programming model, it has become popular in the Java community as an addition to the Enterprise JavaBeans (EJB) model. The Spring Framework is Open-source Framework.

1 Level DFD for ADMIN

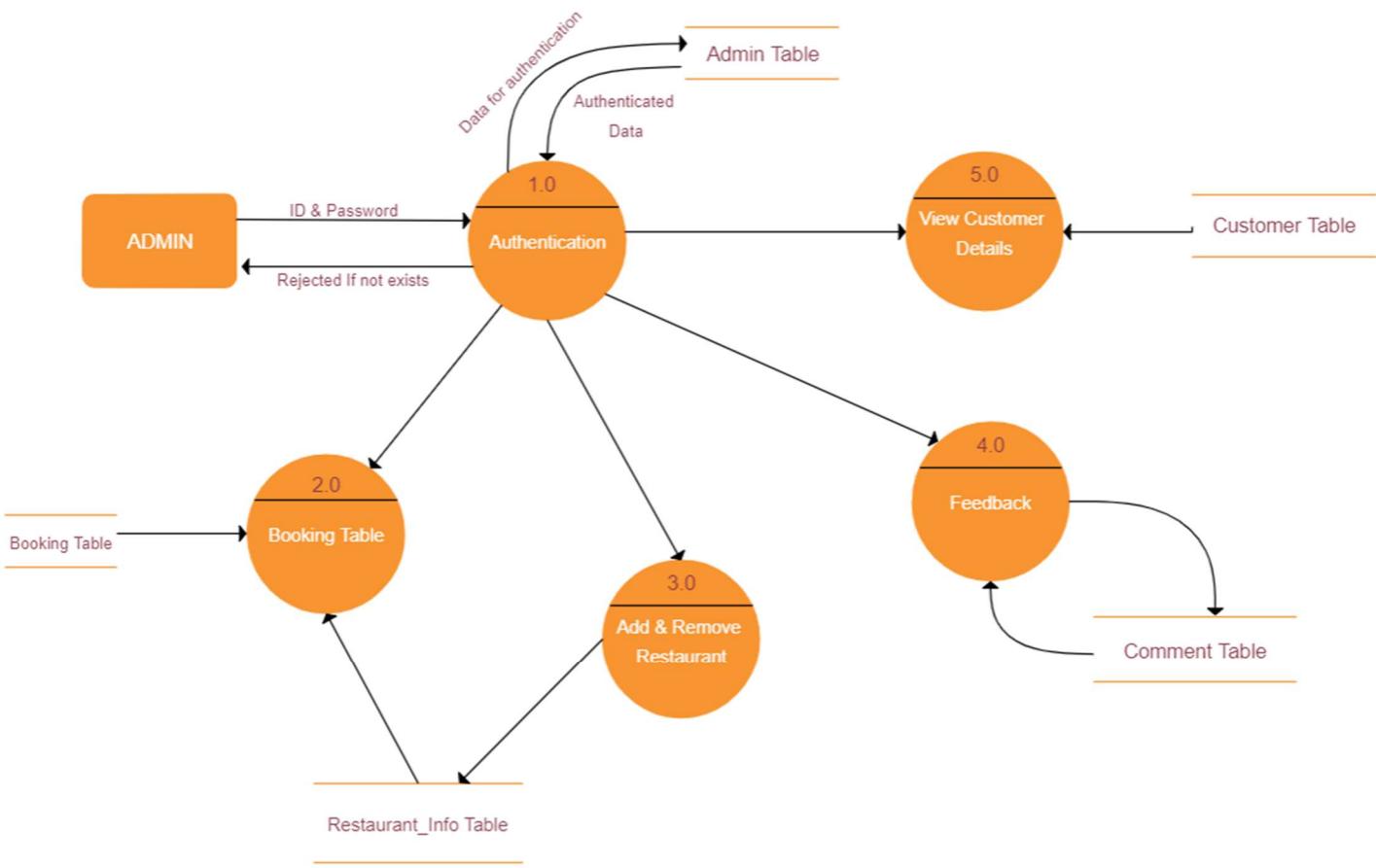


Figure 4 1 Level DFD for ADMIN

1 Level DFD for CUSTOMER

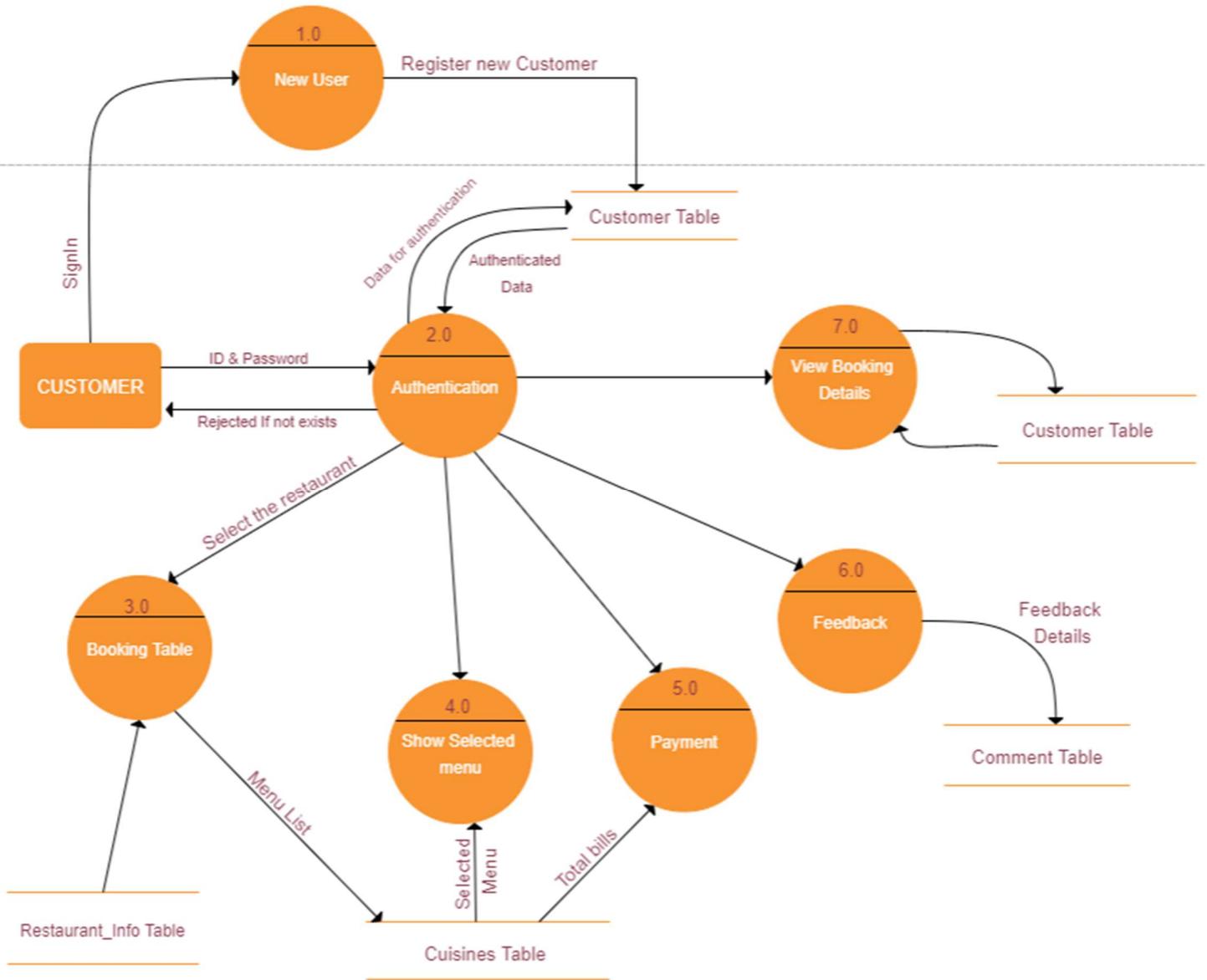


Figure 5 1 Level DFD for CUSTOMER

1 Level DFD for RESTAURANT OWNER

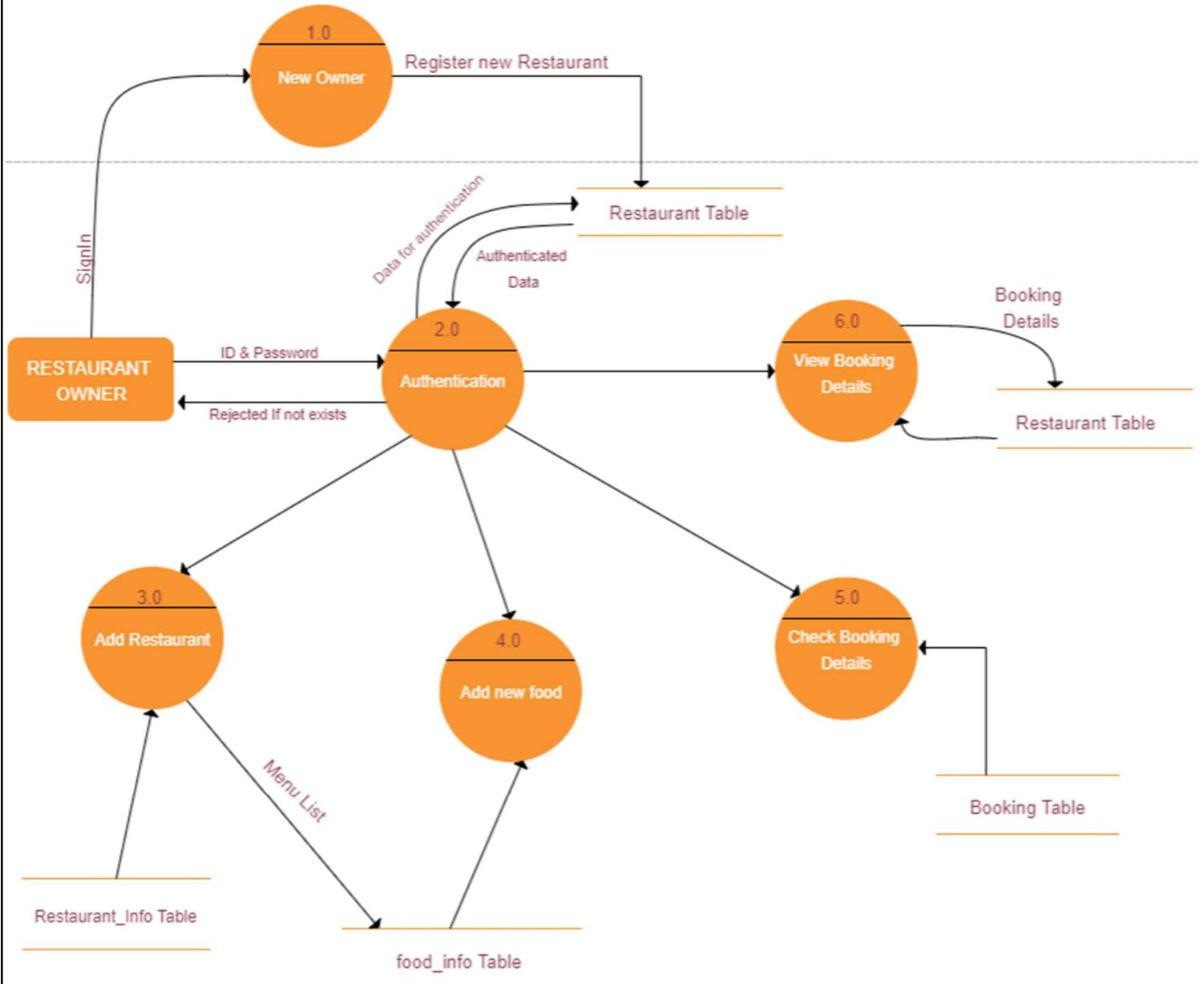


Figure 6 1 Level DFD for RESTAURANT OWNER

E-R Diagram:

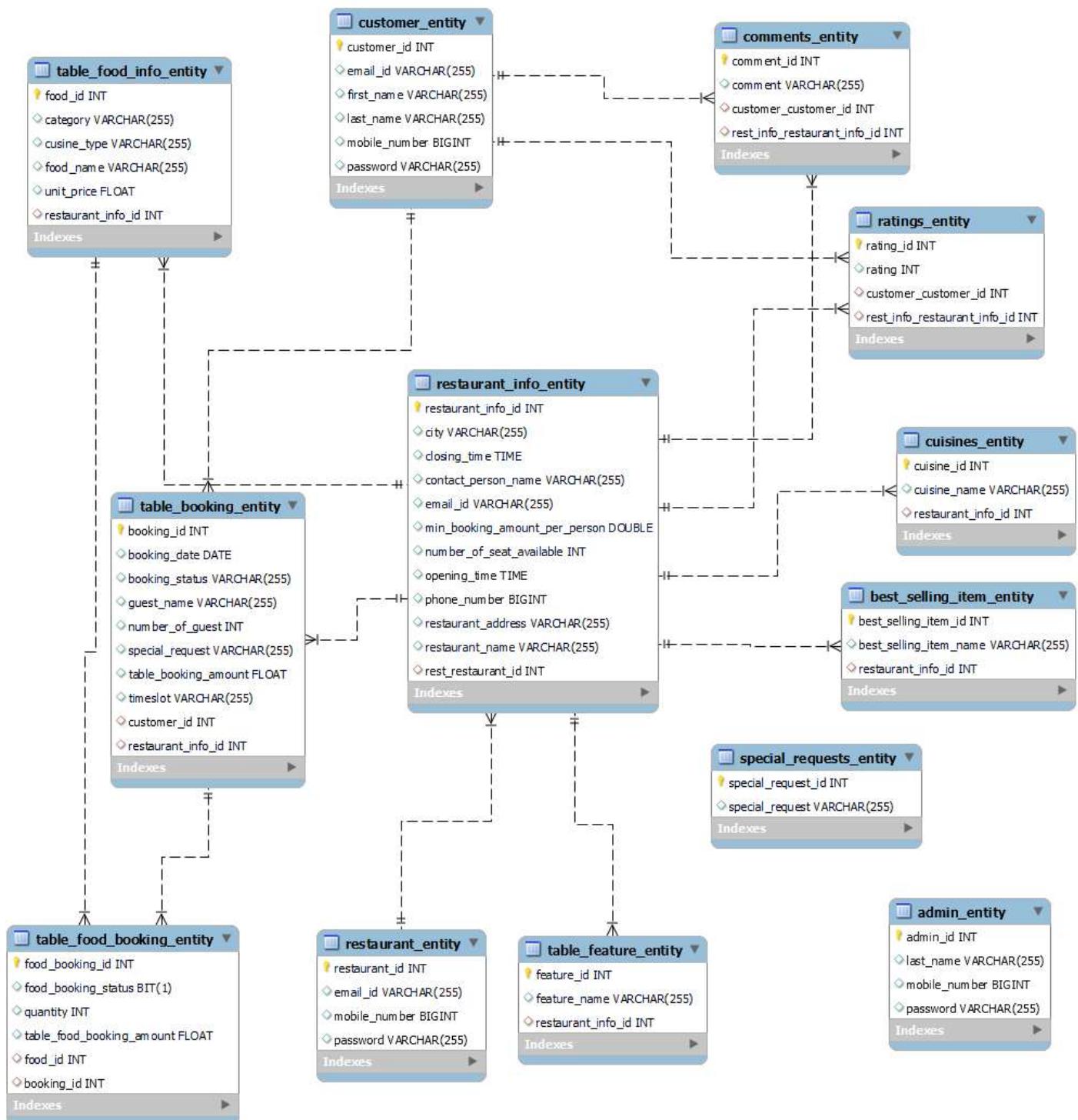


Figure 7 E-R Diagram

E-R Diagram:

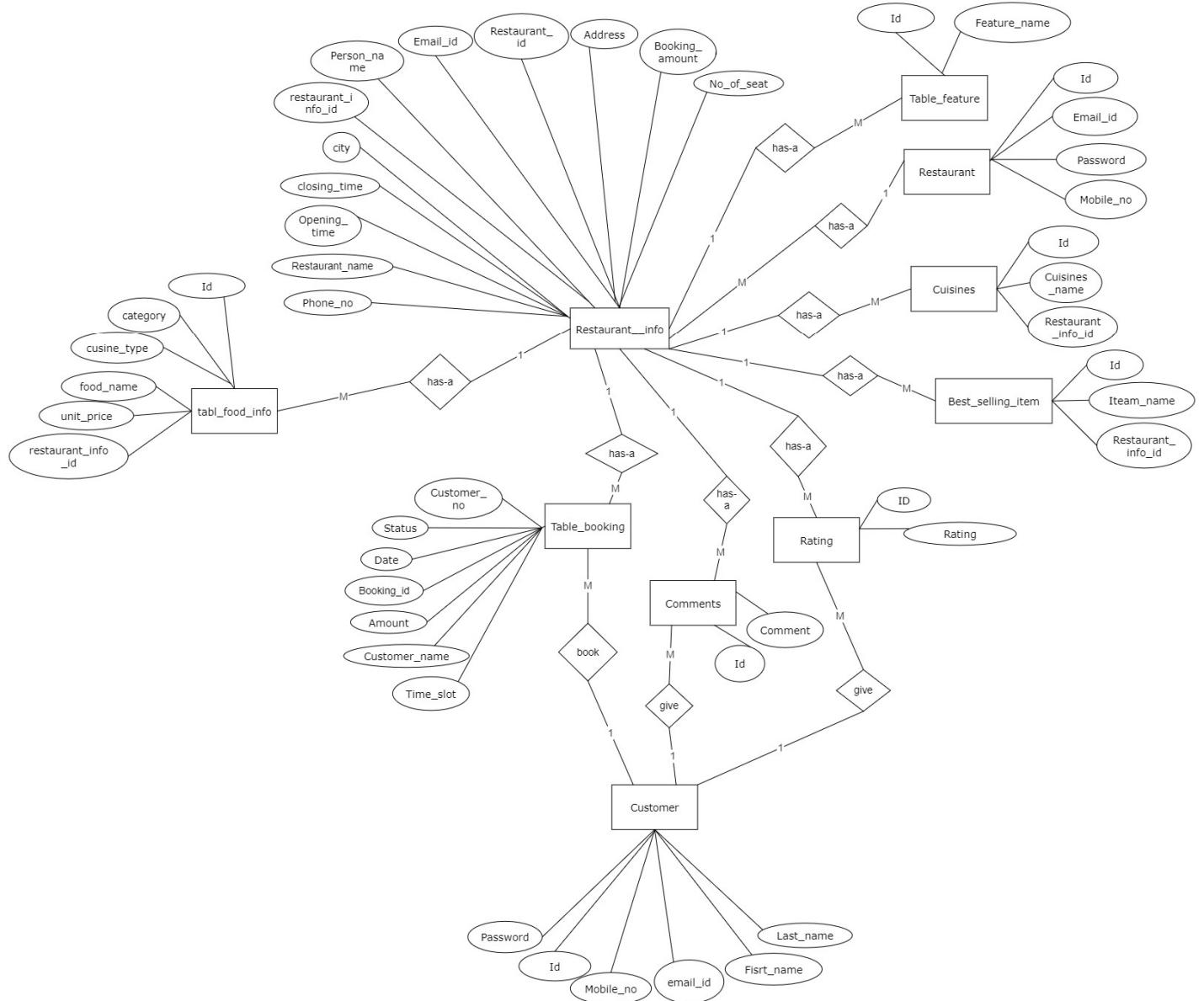


Figure 8 E-R Diagram

USE-CASE Diagram:

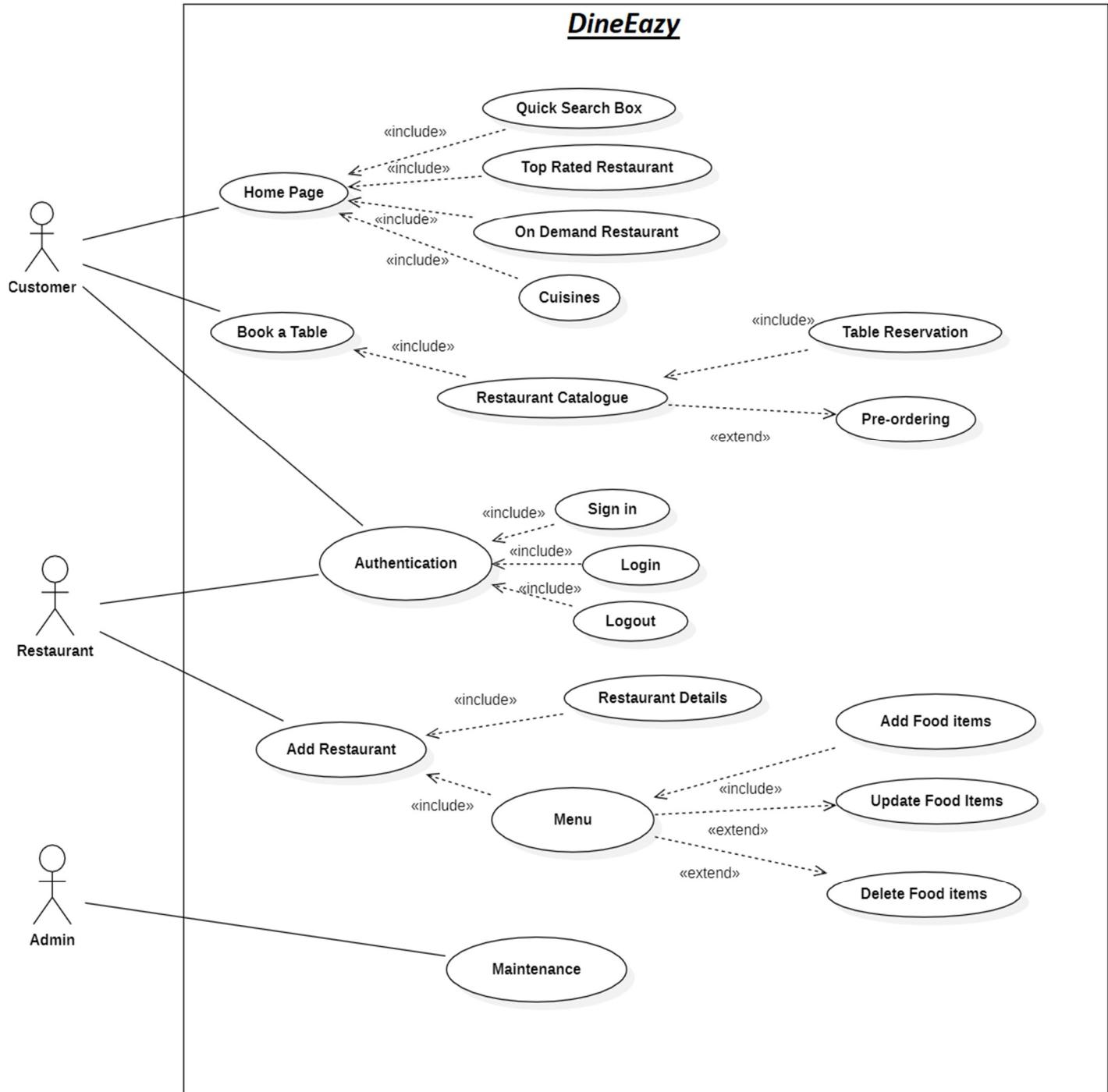
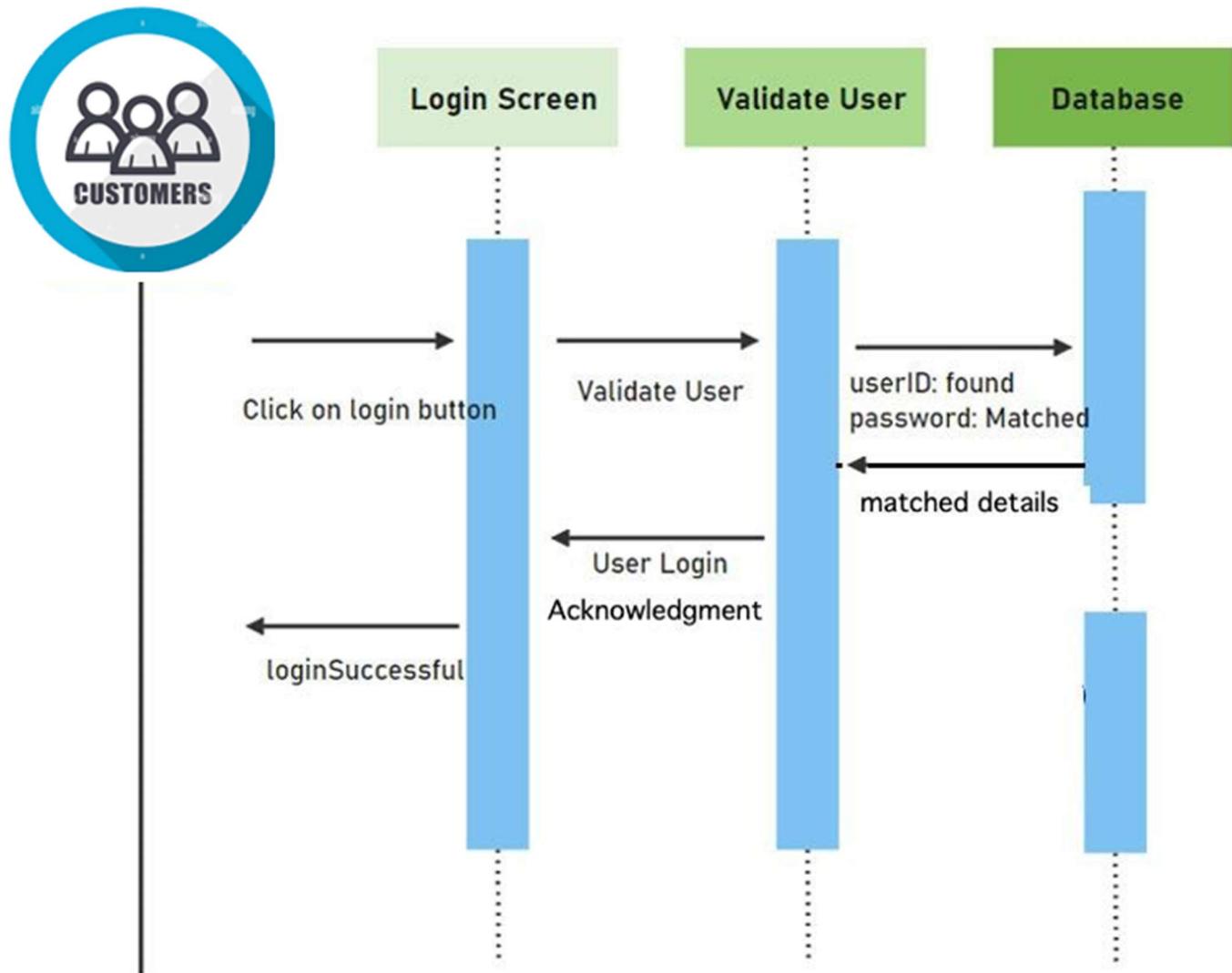


Figure 9 Use-Case Diagram

SEQUENCE Diagram:*Figure 10 Sequence Diagram*

CLASS DIAGRAM

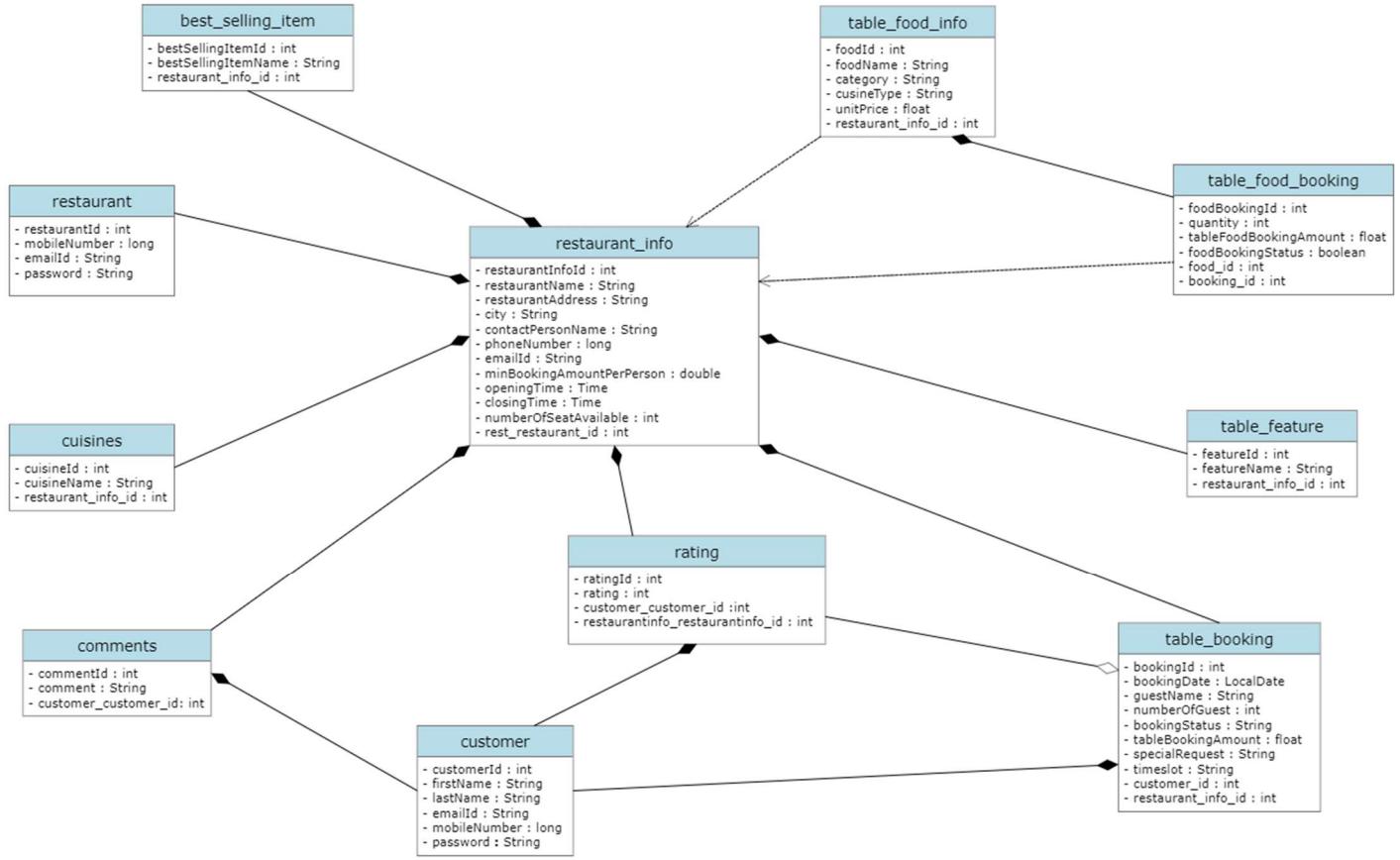


Figure 11 Class Diagram

TABLE STRUCTURE:**Tables:**

	Tables_in_dineeasy
▶	admin_entity
	best_selling_item_entity
	comments_entity
	cuisines_entity
	customer_entity
	ratings_entity
	restaurant_entity
	restaurant_info_entity
	special_requests_entity
	table_booking_entity
	table_feature_entity
	table_food_booking_en...
	table_food_info_entity
	table_restaurant_imag...
	time_slot_entity

Admin:

	Field	Type	Null	Key	Default	Extra
▶	admin_id	int	NO	PRI	NULL	
	first_name	varchar(255)	YES		NULL	
	last_name	varchar(255)	YES		NULL	
	mobile_number	bigint	YES		NULL	
	password	varchar(255)	YES		NULL	

Best Selling Item:

	Field	Type	Null	Key	Default	Extra
▶	best_selling_item_id	int	NO	PRI	NULL	
	best_selling_item_name	varchar(255)	YES		NULL	
	restaurant_info_id	int	YES	MUL	NULL	

Comments:

	Field	Type	Null	Key	Default	Extra
▶	comment_id	int	NO	PRI	NULL	
	comment	varchar(255)	YES		NULL	
	customer_customer_id	int	YES	MUL	NULL	
	rest_info_restaurant_info_id	int	YES	MUL	NULL	

Cuisines:

	Field	Type	Null	Key	Default	Extra
▶	cuisine_id	int	NO	PRI	NULL	auto_increment
	cuisine_name	varchar(255)	YES		NULL	
	restaurant_info_id	int	YES	MUL	NULL	

Customer:

	Field	Type	Null	Key	Default	Extra
▶	customer_id	int	NO	PRI	NULL	auto_increment
	email_id	varchar(255)	YES	UNI	NULL	
	first_name	varchar(255)	YES		NULL	
	last_name	varchar(255)	YES		NULL	
	mobile_number	bigint	YES	UNI	NULL	
	password	varchar(255)	YES		NULL	

Rating:

	Field	Type	Null	Key	Default	Extra
▶	rating_id	int	NO	PRI	NULL	
	rating	int	YES		NULL	
	customer_customer_id	int	YES	MUL	NULL	
	rest_info_restaurant_info_id	int	YES	MUL	NULL	

Restaurant:

	Field	Type	Null	Key	Default	Extra
▶	restaurant_id	int	NO	PRI	NULL	auto_increment
	email_id	varchar(255)	YES	UNI	NULL	
	mobile_number	bigint	YES	UNI	NULL	
	password	varchar(255)	YES		NULL	

Restaurant Info :

	Field	Type	Null	Key	Default	Extra
▶	restaurant_info_id	int	NO	PRI	NULL	auto_increment
	city	varchar(255)	YES		NULL	
	closing_time	time	YES		NULL	
	contact_person_name	varchar(255)	YES		NULL	
	email_id	varchar(255)	YES		NULL	
	min_booking_amount_per_person	double	YES		NULL	
	number_of_seat_available	int	YES		NULL	
	opening_time	time	YES		NULL	
	phone_number	bigint	YES		NULL	
	restaurant_address	varchar(255)	YES		NULL	
	restaurant_name	varchar(255)	YES		NULL	
	rest_restaurant_id	int	YES	MUL	NULL	

Special Request:

	Field	Type	Null	Key	Default	Extra
▶	special_request_id	int	NO	PRI	NULL	
	special_request	varchar(255)	YES	NO	NULL	

Table Booking:

	Field	Type	Null	Key	Default	Extra
▶	booking_id	int	NO	PRI	NULL	auto_increment
	booking_date	date	YES		NULL	
	booking_status	varchar(255)	YES		NULL	
	guest_name	varchar(255)	YES		NULL	
	number_of_guest	int	YES		NULL	
	special_request	varchar(255)	YES		NULL	
	table_booking_amount	float	YES		NULL	
	timeslot	varchar(255)	YES		NULL	
	customer_id	int	YES	MUL	NULL	
	restaurant_info_id	int	YES	MUL	NULL	

Table Feature :

	Field	Type	Null	Key	Default	Extra
▶	feature_id	int	NO	PRI	NULL	auto_increment
	feature_name	varchar(255)	YES		NULL	
	restaurant_info_id	int	YES	MUL	NULL	

Table Food Booking:

	Field	Type	Null	Key	Default	Extra
▶	food_booking_id	int	NO	PRI	NULL	auto_increment
	food_booking_status	bit(1)	YES		NULL	
	quantity	int	YES		NULL	
	table_food_booking_amount	float	YES		NULL	
	food_id	int	YES	MUL	NULL	
	booking_id	int	YES	MUL	NULL	

Table Food Info:

	Field	Type	Null	Key	Default	Extra
▶	food_id	int	NO	PRI	PRI	auto_increment
	category	varchar(255)	YES		NULL	
	cuisine_type	varchar(255)	YES		NULL	
	food_name	varchar(255)	YES		NULL	
	unit_price	float	YES		NULL	
	restaurant_info_id	int	YES	MUL	NULL	

Restaurant Image:

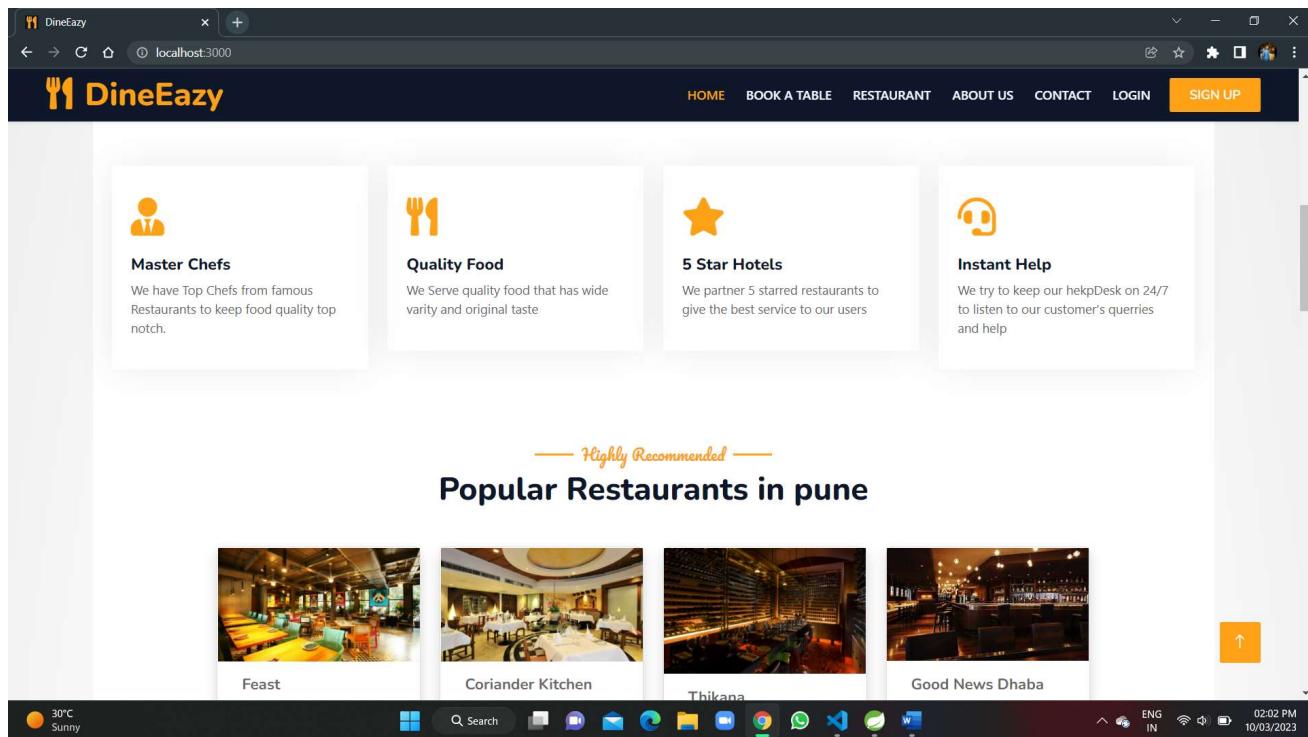
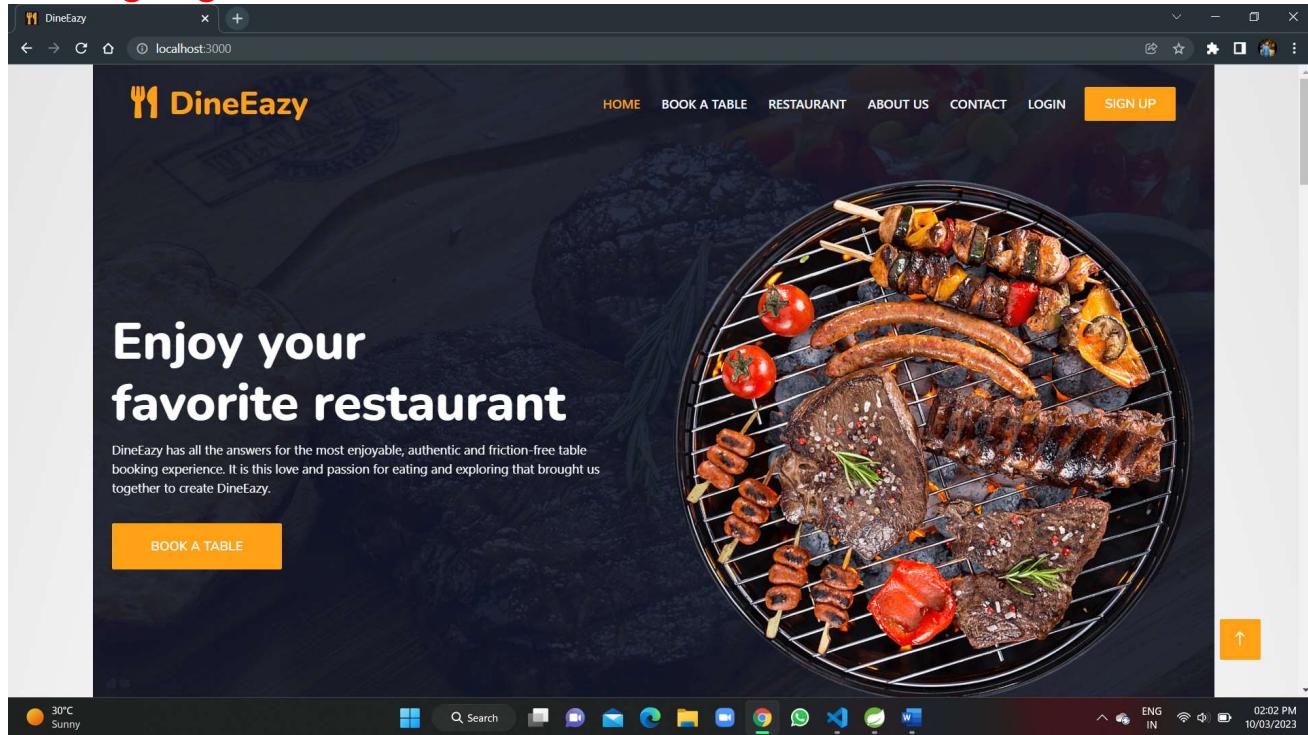
	Field	Type	Null	Key	Default	Extra
▶	restaurant_image_id	bigint	NO	PRI	NULL	auto_increment
	imagedata	longblob	YES		NULL	
	name	varchar(255)	YES		NULL	
	type	varchar(255)	YES		NULL	
	info_restaurant_info_id	int	YES	MUL	NULL	

Time Slot:

	Field	Type	Null	Key	Default	Extra
▶	time_slot_id	int	NO	PRI	NULL	
	date	date	YES		NULL	
	meal	varchar(255)	YES		NULL	
	time_slot	time	YES		NULL	
	weekday	varchar(255)	YES		NULL	
	restaurant_info_id	int	YES	MUL	NULL	

PROJECT DIAGRAMS

Landing Page:



DineEasy x + localhost:3000

DineEasy HOME BOOK A TABLE RESTAURANT ABOUT US CONTACT LOGIN SIGN UP

— Highly Recommended —

Popular Restaurants in pune



Feast
Sheraton Grand Hotel,
Sangamvadi, Pune.
₹349 for 1 approx

[BOOK NOW](#) ★ 4.5



Coriander Kitchen
Conrad Mangaldas Rd,
Sangamvadi, Pune.
₹300 for 1 approx

[BOOK NOW](#) ★ 4.5



Thikana
White Square, Hinjawadi Rd,
Hinjawadi, Pune
₹350 for 1 approx

[BOOK NOW](#) ★ 4.5



Good News Dhaba
Creativity Mall, Shastrinagar,
Yerwada, Pune.
₹200 for 1 approx

[BOOK NOW](#) ★ 4.5

30°C Sunny 02:03 PM 10/03/2023

DineEasy x + localhost:3000

DineEasy HOME BOOK A TABLE RESTAURANT ABOUT US CONTACT LOGIN SIGN UP

— Highly Recommended —

Popular Restaurants in mumbai



Lake View Cafe
The Westin Mumbai, Powai,
Mumbai.
₹450 for 1 approx

[BOOK NOW](#) ★ 4.5



Peshwa Pavilion
Itc Maratha, Andheri East,
Mumbai.
₹500 for 1 approx

[BOOK NOW](#) ★ 4.5



Nawab Saheb
The Westin Mumbai Powai
Lake, Powai, Mumbai.
₹400 for 1 approx

[BOOK NOW](#) ★ 4.5



Masala Library
Bandra Kurla Complex,
Western Suburbs, Mumbai.
₹320 for 1 approx

[BOOK NOW](#) ★ 4.5

30°C Sunny 02:04 PM 10/03/2023

DineEazy

HOME BOOK A TABLE RESTAURANT ABOUT US CONTACT LOGIN SIGN UP

About Us —

Welcome to DineEazy

We have always been obsessed with pre-empting and fulfilling the wants of today's diner. In 2012, it simply meant allowing diners to reserve a guaranteed table at the top restaurants in the city. In 2018, we has evolved to providing multiple benefits on one platform for all dining out needs.

- Connecting diners to the best-in-the-city restaurant discounts & deals
- Giving diners a cashless payment experience across restaurants & an opportunity to earn cashback on every payment

10 Years of EXPERIENCE | **50 Popular RESTAURANT**

[READ MORE](#)

30°C Sunny 02:04 PM 10/03/2023

Reviews —

Our Customers Say!!!

The best website to book the table at any best Restaurant.

Scarlett Johansson

Very easily i can checkout the food from any Restaurant

Zakir Khan

The discount and deals offer at DineEazy are just awesome

David Warner

Even the owners can add their Restaurant at DineEazy.great Features

Cersei Lannister

Team Members —

30°C Sunny 02:04 PM 10/03/2023

The screenshot shows the DineEasy website's "Team Members" page. At the top, there are two profile pictures of men: Ninand Raut and Varun Patakrod. Below their names are their respective titles. The page features a dark header with navigation links: HOME, BOOK A TABLE, RESTAURANT, ABOUT US, CONTACT, LOGIN, and SIGN UP. On the right side of the header is a vertical toolbar with various icons. The main content area includes sections for Company (with links to About Us, Contact Us, Reservation, Login-Signup, and Add Restaurant), Contact (with address, phone number, email, and social media links), More Information (with links to Privacy Policy, CSR, Terms & Conditions, and Careers), and Our Aim (which discusses supporting the Share Our Strength's No Kid Hungry campaign). The footer contains copyright information, a weather widget (30°C, Sunny), and standard footer links.

Table Booking Page:

The screenshot shows the DineEasy website's "Book A Table" page. The main title "Book A Table" is prominently displayed. Below it, there is a breadcrumb navigation: HOME / BOOK A TABLE. The page displays four restaurant options in a grid format: Feast, Coriander Kitchen, Lake View Cafe, and Thikana. Each listing includes a small thumbnail image, the restaurant name, address, and a price of ₹349 for 1 approx. To the right of the grid is a "Sort By" dropdown menu set to "---- Select ----". The page has a dark header with navigation links: HOME, BOOK A TABLE, RESTAURANT, ABOUT US, CONTACT, LOGIN, and SIGN UP. A vertical toolbar with icons is on the right. The footer includes a weather widget (30°C, Sunny), standard footer links, and system status indicators like ENG IN and 02:05 PM 10/03/2023.

The screenshot shows the DineEasy website interface. At the top, there is a navigation bar with links for HOME, BOOK A TABLE, RESTAURANT, ABOUT US, CONTACT, LOGIN, and SIGN UP. Below the navigation bar, there is a search bar and a sidebar with various icons. The main content area displays a grid of eight restaurant cards. Each card includes a thumbnail image, the restaurant's name, its address, and a rating section with a 'BOOK NOW' button. A 'Sort By' dropdown menu is visible at the top right of the card grid. The bottom of the screen shows a Windows taskbar with weather information (30°C, Sunny), system icons, and the date/time (10/03/2023, 02:06 PM).

Restaurant Name	Address	Rating
Feast	Sheraton Grand Hotel, Sangamvadi, Pune.	4.5
Coriander Kitchen	Conrad Mangaldas Rd, Sangamvadi, Pune.	4.5
Lake View Cafe	The Westin Mumbai, Powai, Mumbai.	4.5
Thikana	White Square, Hinjewadi Rd, Hinjewadi, Pune	4.5
Good News Dhaba	Creativity Mall, Shastrinagar,	
Peshwa Pavilion	Itc Maratha, Andheri East,	
Nawab Saheb	The Westin Mumbai Powai	
Masala Library	Bandra Kurla Complex,	

This screenshot is similar to the one above, but the 'Sort By' dropdown menu is now open, revealing three sorting options: 'Rating', 'Price : Low to High', and 'Price : High to Low'. The rest of the interface, including the restaurant cards and the Windows taskbar at the bottom, remains the same.

DineEasy

localhost:3000/tableBooking

HOME BOOK A TABLE RESTAURANT ABOUT US CONTACT LOGIN SIGN UP

Restaurant	Address	Rating
Thikana	White Square, Hinjawadi Rd, Hinjawadi, Pune	4.5
The Qube	Diplomatic Enclave, Chanakyapuri, New Delhi	4.5
Nawab Saheb	The Westin Mumbai Powai Lake, Powai, Mumbai	4.5
Vega	IGI International Airport, Mahipalpur, Delhi	4.5
Lake View Cafe	The Westin Mumbai, Powai, Mumbai	4.5
The Bikers Cafe	Palm Spring Plaza, Golf Course Rd, Gurugram, Delhi	4.5
Peshwa Pavilion	ITC Maratha, Andheri East, Mumbai	4.5
The Dineroom	NWA, Club Rd, Marine Drive, Mumbai	4.5

30°C Sunny

Q Search

02:06 PM 10/03/2023

DineEasy

localhost:3000/tableBooking

HOME BOOK A TABLE RESTAURANT ABOUT US CONTACT LOGIN SIGN UP

Restaurant	Address	Rating
Lake View Cafe	The Westin Mumbai, Powai, Mumbai	4.5
The Bikers Cafe	Palm Spring Plaza, Golf Course Rd, Gurugram, Delhi	4.5
Peshwa Pavilion	ITC Maratha, Andheri East, Mumbai	4.5
The Dineroom	NWA, Club Rd, Marine Drive, Mumbai	4.5

Company

- About Us
- Contact Us
- Reservation
- Login-Signup
- Add Restaurant

Contact

- Baner, Pune
- 1800 80 1454
- team.dineeasy@gmail.com

More Information

- Privacy Policy
- CSR
- Terms & Conditions
- Careers

Our Aim

We proudly support Share Our Strength's No Kid Hungry campaign. Together, our goal is to ensure that all Indian children get the healthy food they need to live and grow everyday.

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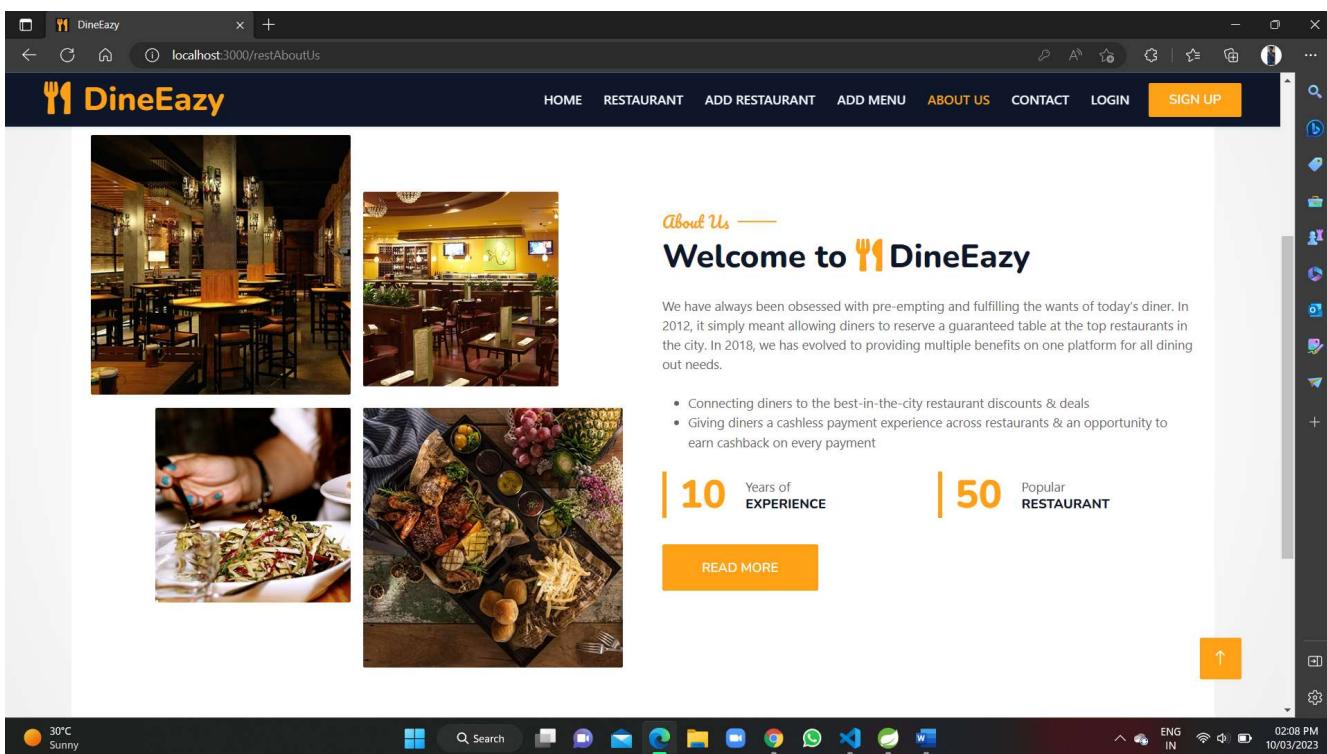
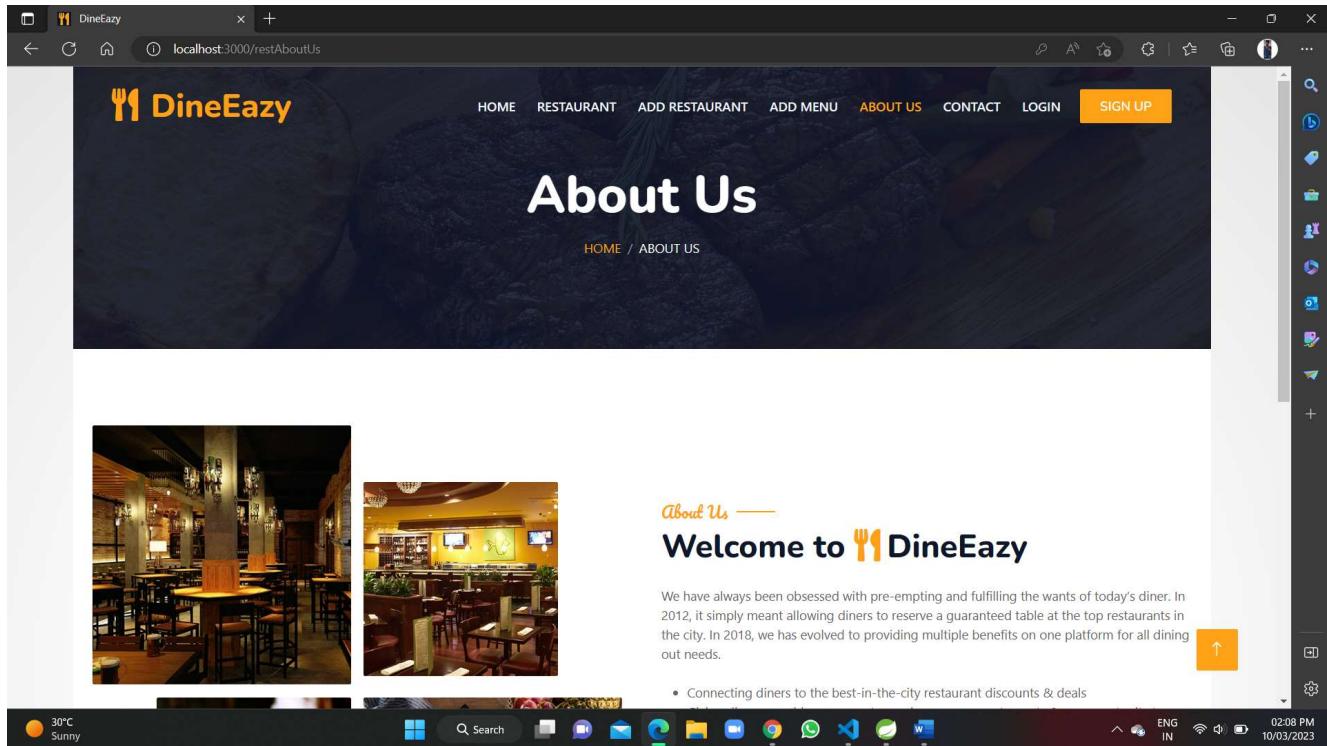
Home Cookies Help FAQs

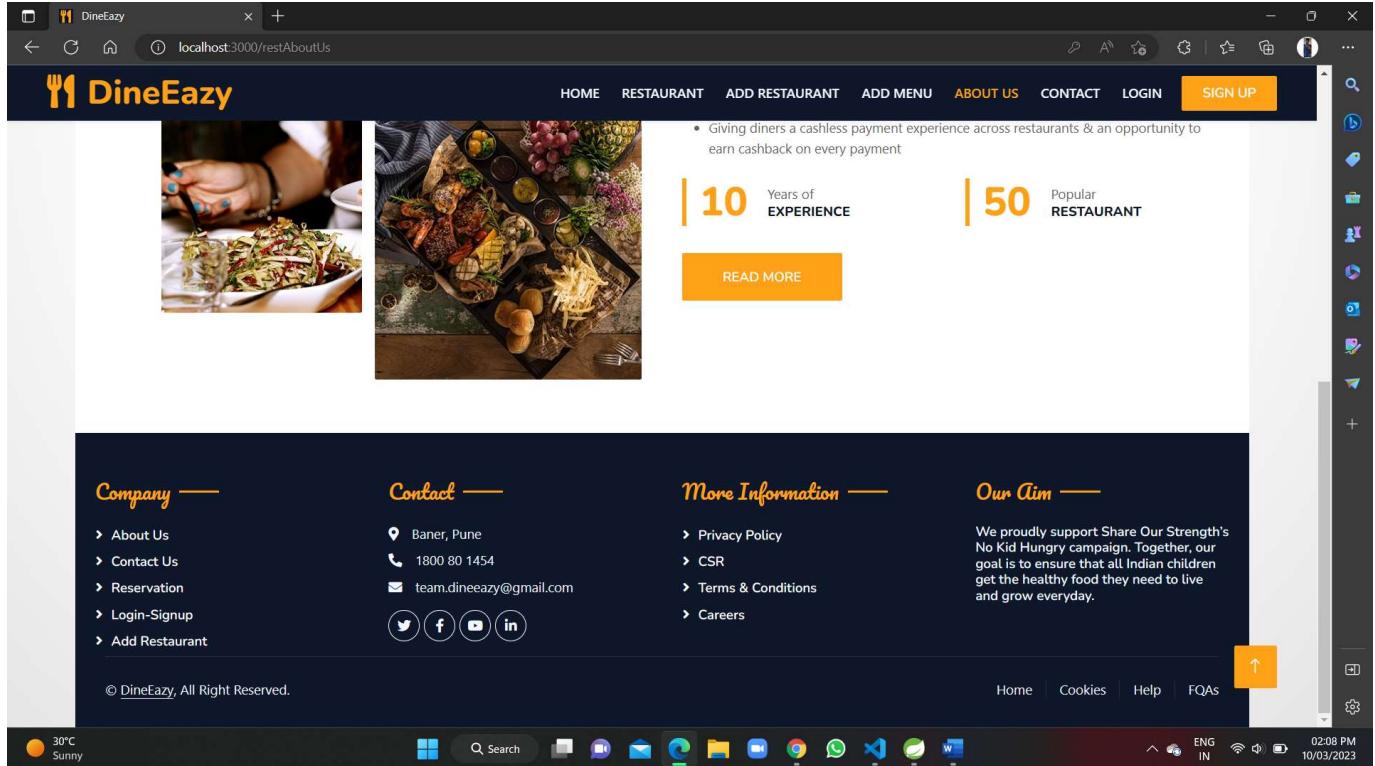
30°C Sunny

Q Search

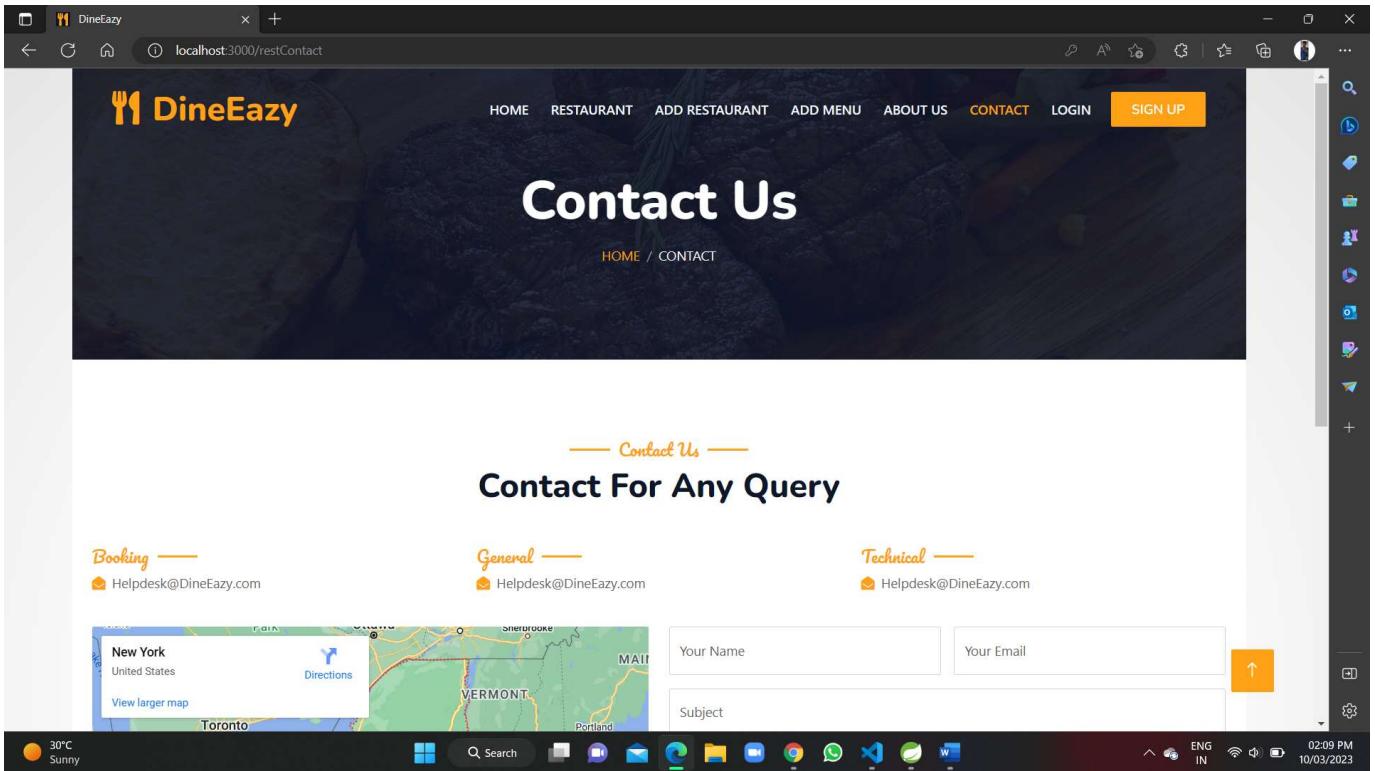
02:06 PM 10/03/2023

About Us Page:





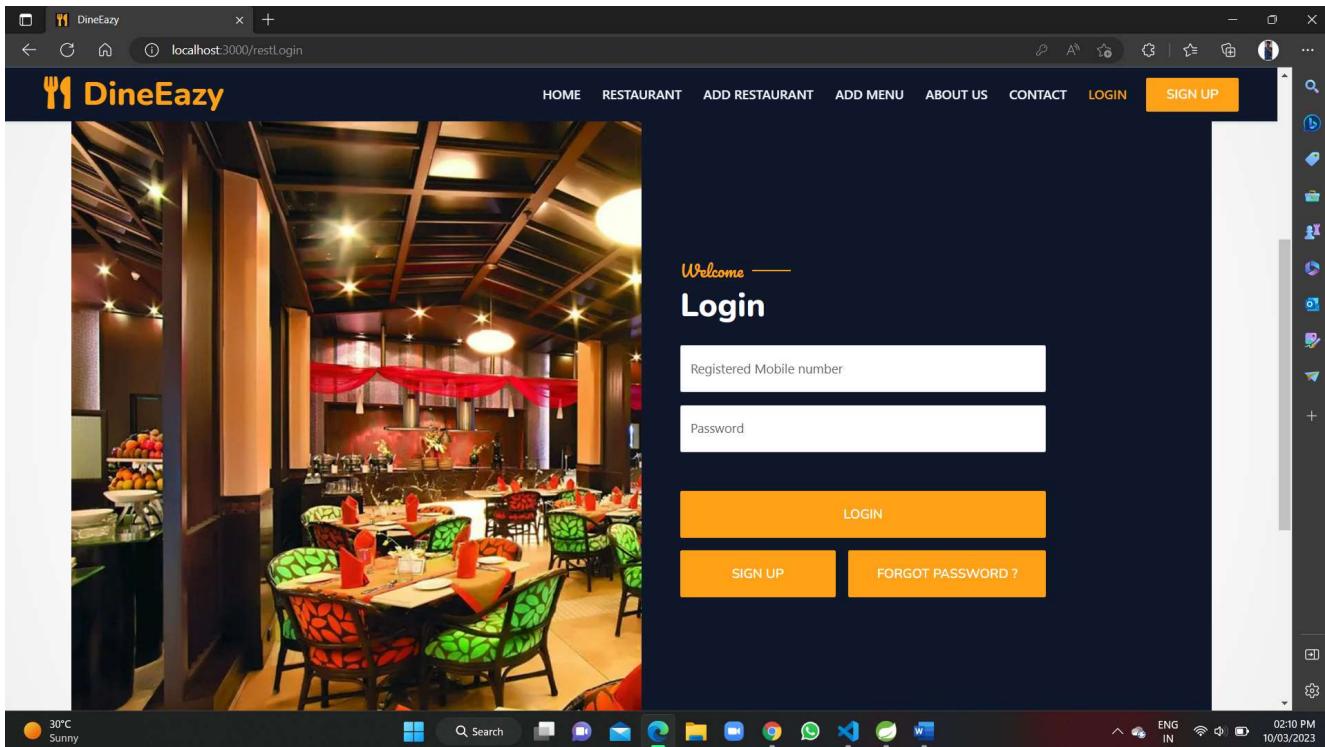
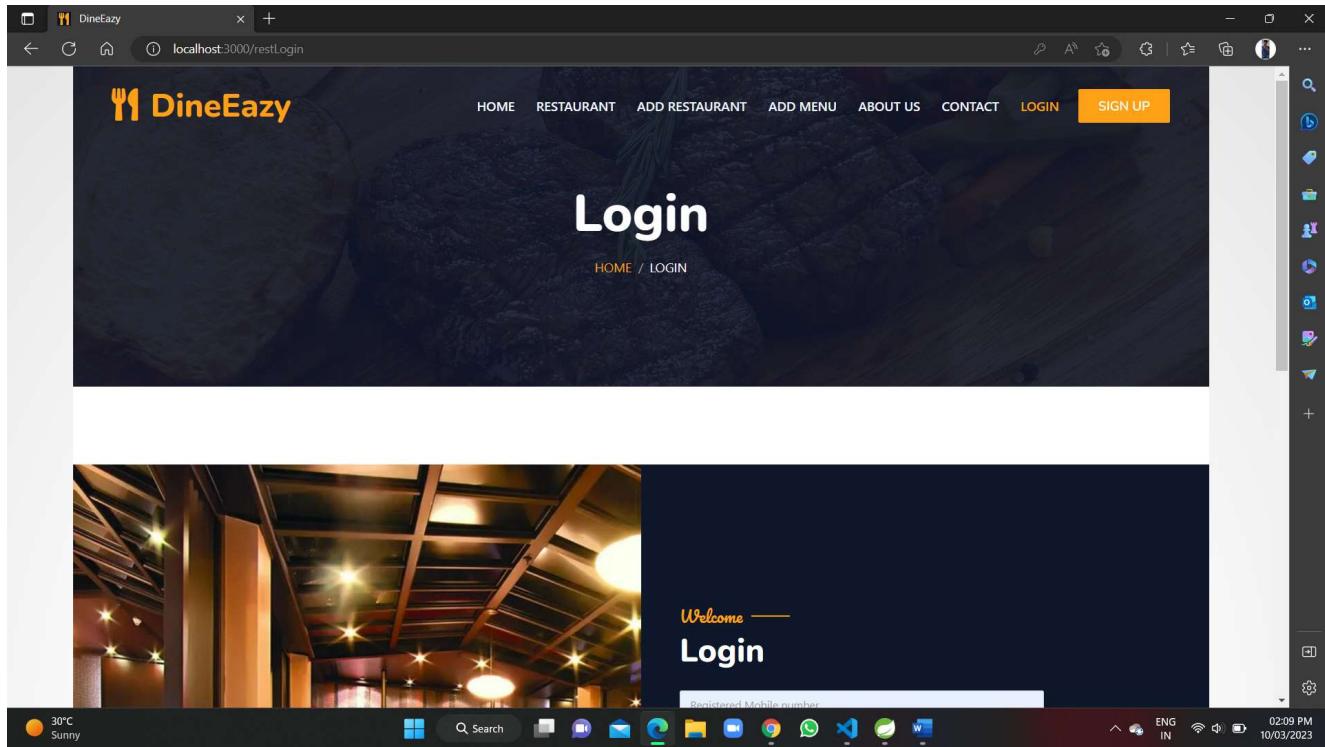
Contact Us Page:

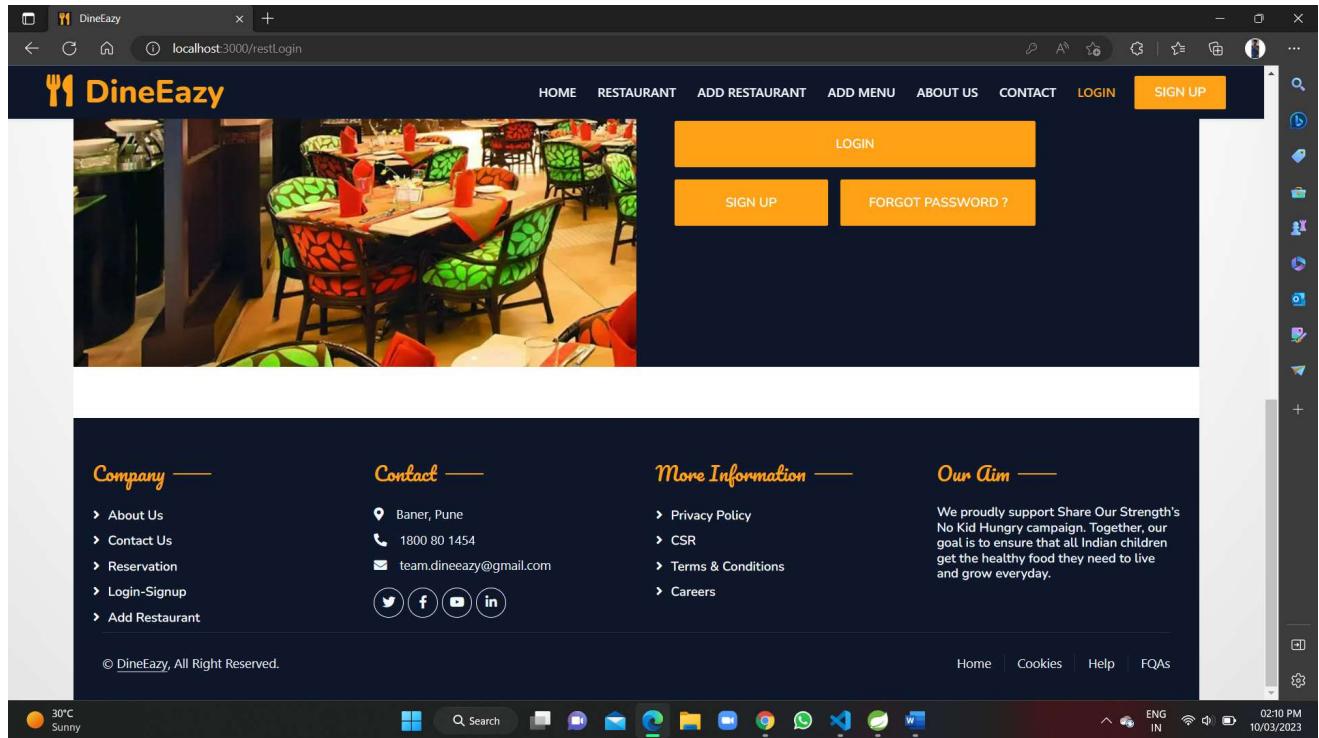


The screenshot shows the DineEasy contact page at localhost:3000/restContact. The page features a header with the DineEasy logo and navigation links for HOME, RESTAURANT, ADD RESTAURANT, ADD MENU, ABOUT US, CONTACT, LOGIN, and SIGN UP. Below the header is a section titled "Contact Us" with the sub-section "Contact For Any Query". On the left, there are three categories: "Booking" (Helpdesk@DineEasy.com), "General" (Helpdesk@DineEasy.com), and "Technical" (Helpdesk@DineEasy.com). A map of the Northeastern United States is displayed, with a callout for "New York" and "United States". To the right is a contact form with fields for "Your Name", "Your Email", "Subject", and "Message", followed by a large orange "SEND MESSAGE" button. The status bar at the bottom shows weather information (30°C, Sunny), system icons, and the date/time (10/03/2023, 02:09 PM).

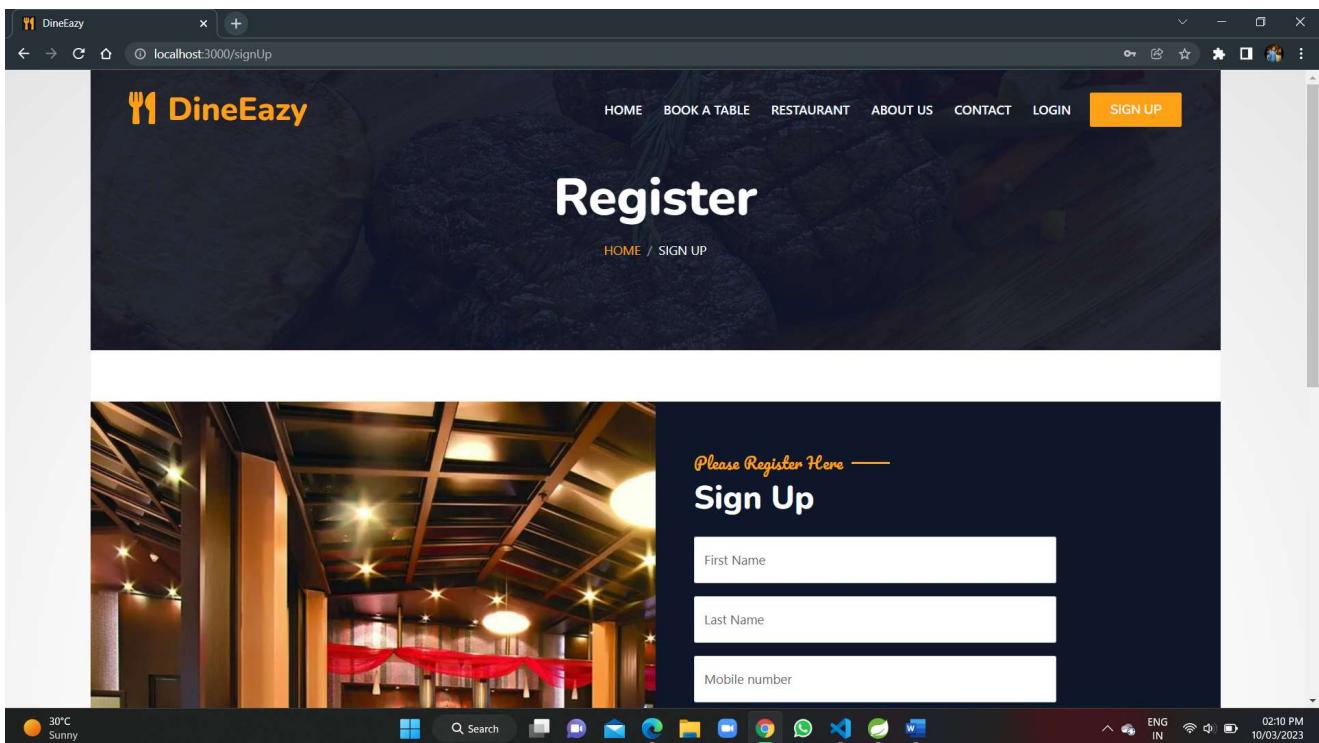
The screenshot shows the DineEasy contact page at localhost:3000/restContact. The layout is identical to the first screenshot, featuring the DineEasy logo and navigation links. The "Contact Us" and "Contact For Any Query" sections are present, along with the map of the Northeastern United States and the contact form. The status bar at the bottom shows weather information (30°C, Sunny), system icons, and the date/time (10/03/2023, 02:09 PM).

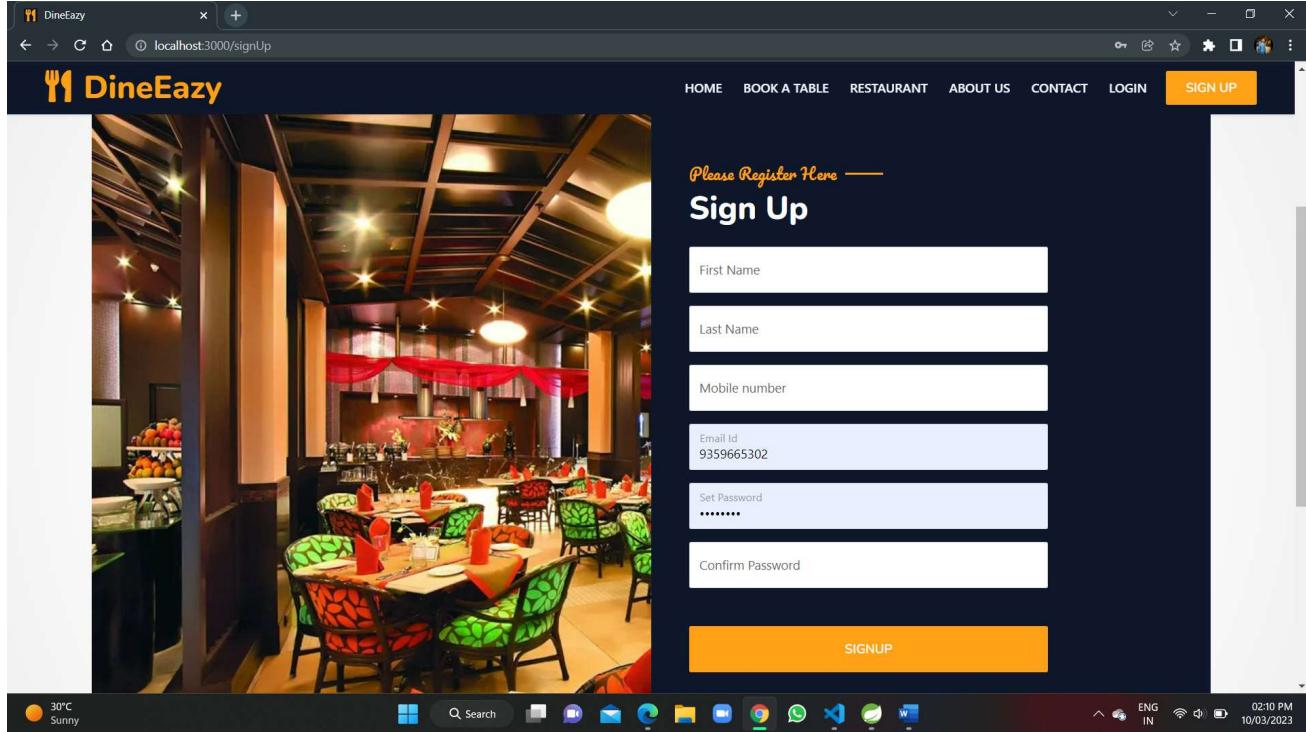
Login Page:





Register Page:





Company —

- About Us
- Contact Us
- Reservation
- Login-Signup
- Add Restaurant

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Contact —

- 📍 Baner, Pune
- 📞 1800 80 1454
- ✉️ team.dineeasy@gmail.com

More Information —

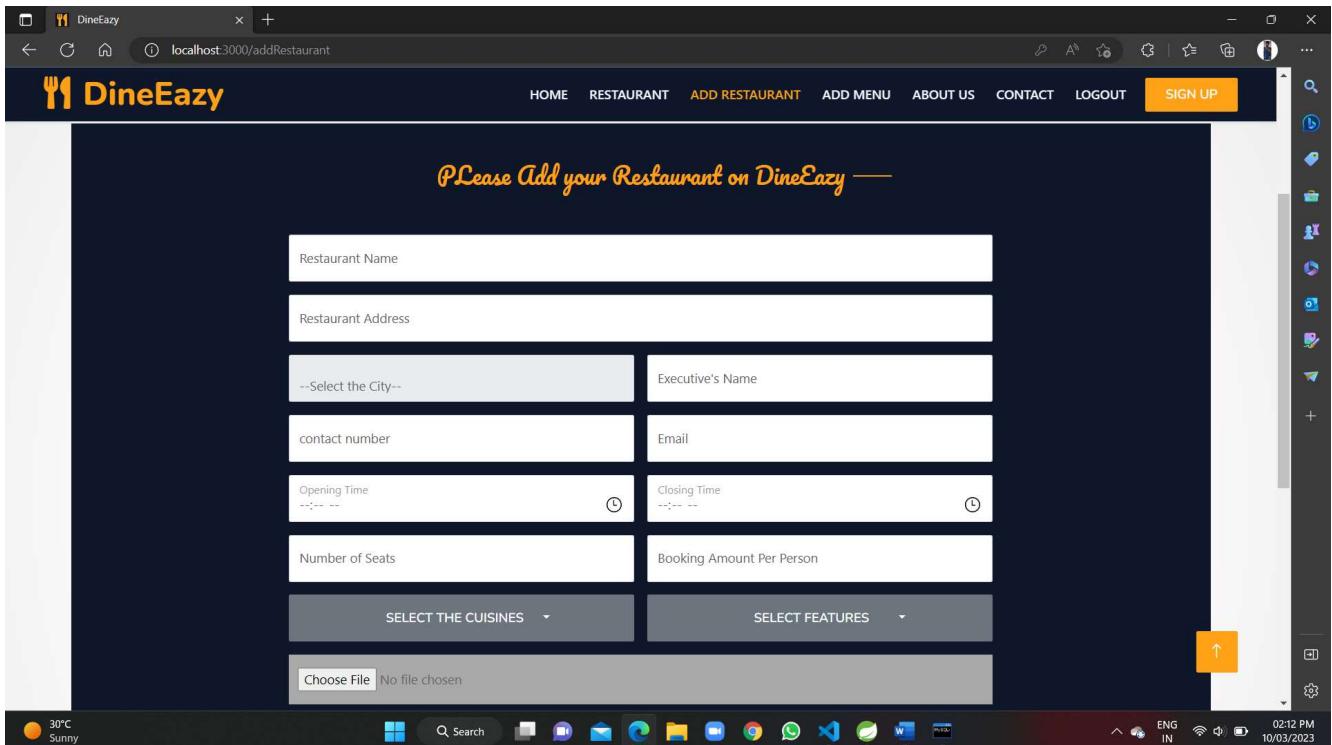
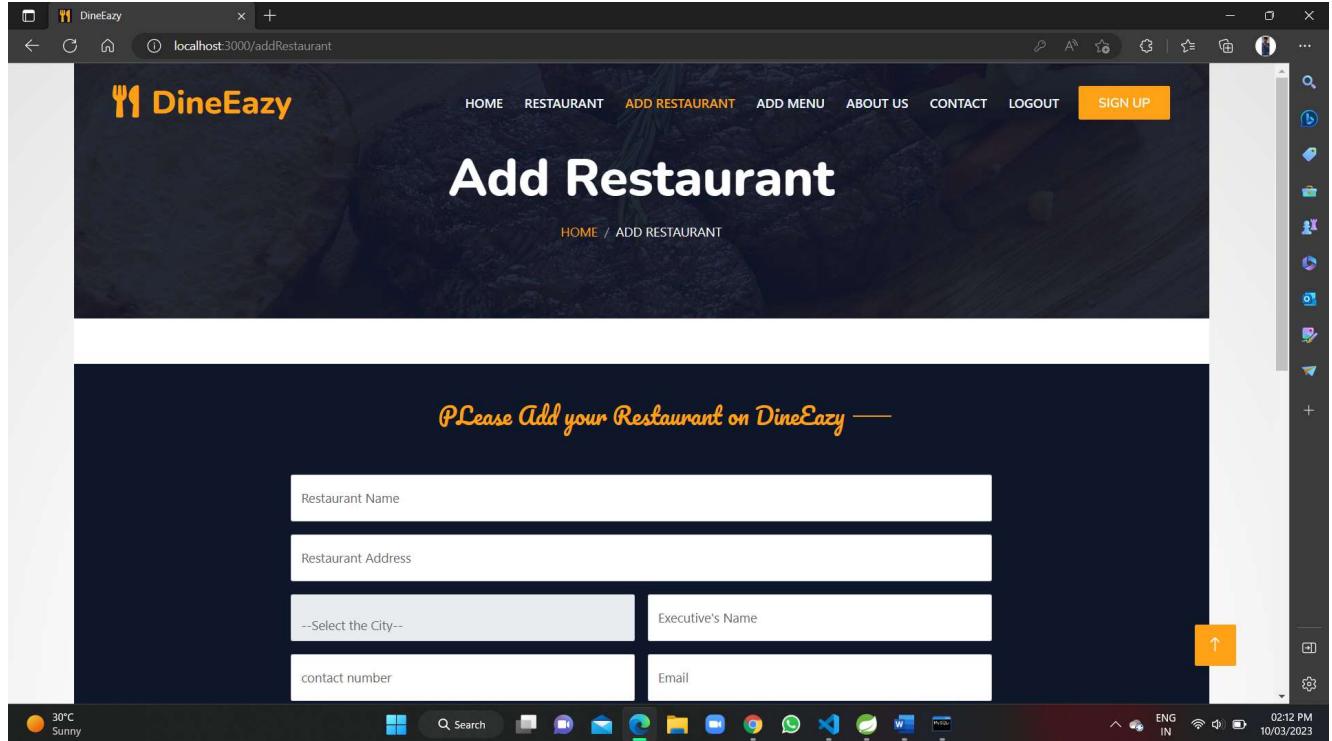
- Privacy Policy
- CSR
- Terms & Conditions
- Careers

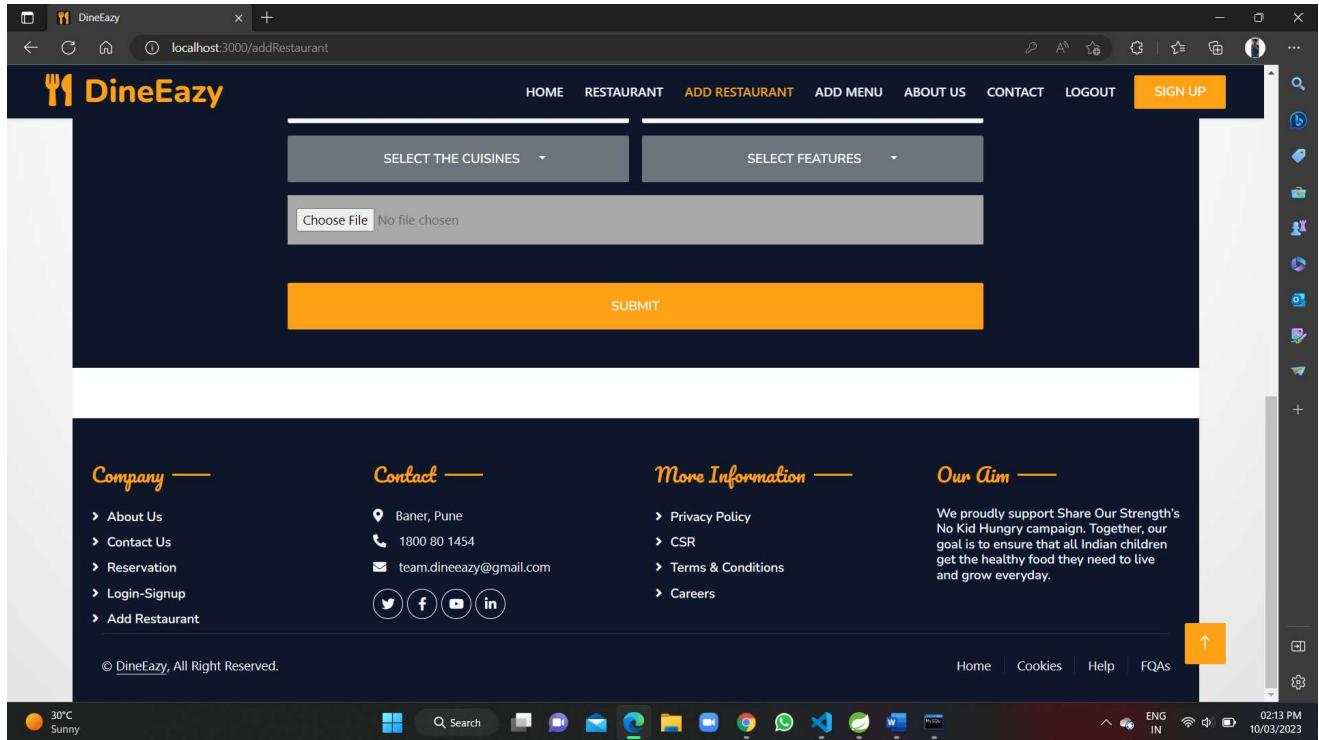
Our Aim —

We proudly support Share Our Strength's No Kid Hungry campaign. Together, our goal is to ensure that all Indian children get the healthy food they need to live and grow everyday.

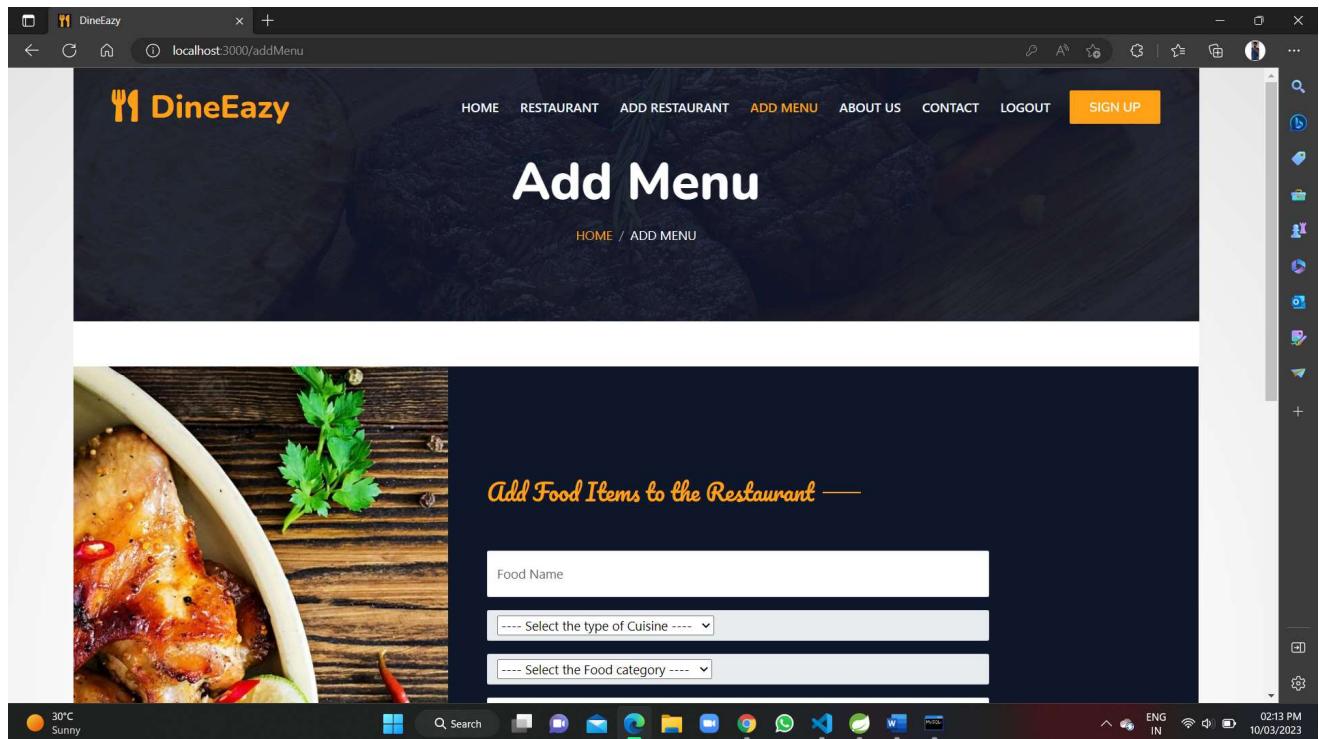
[Home](#) | [Cookies](#) | [Help](#) | [FAQs](#)

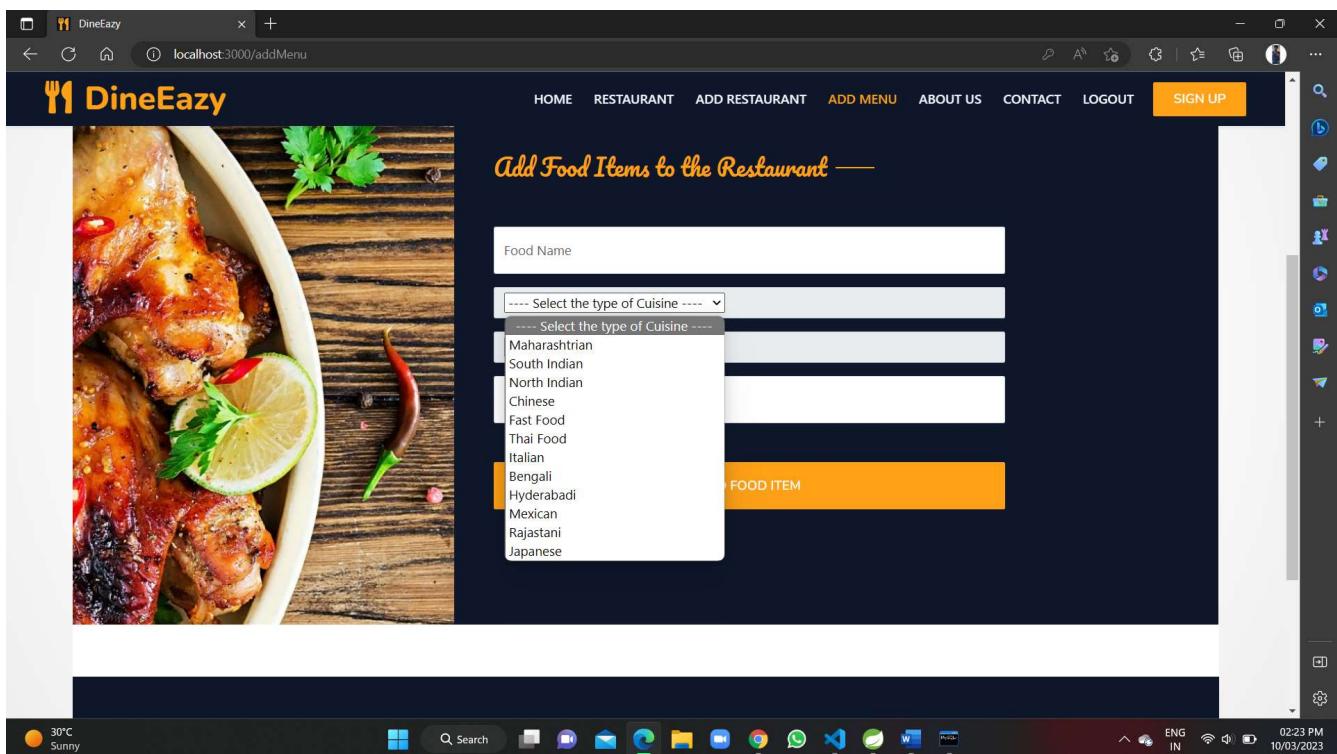
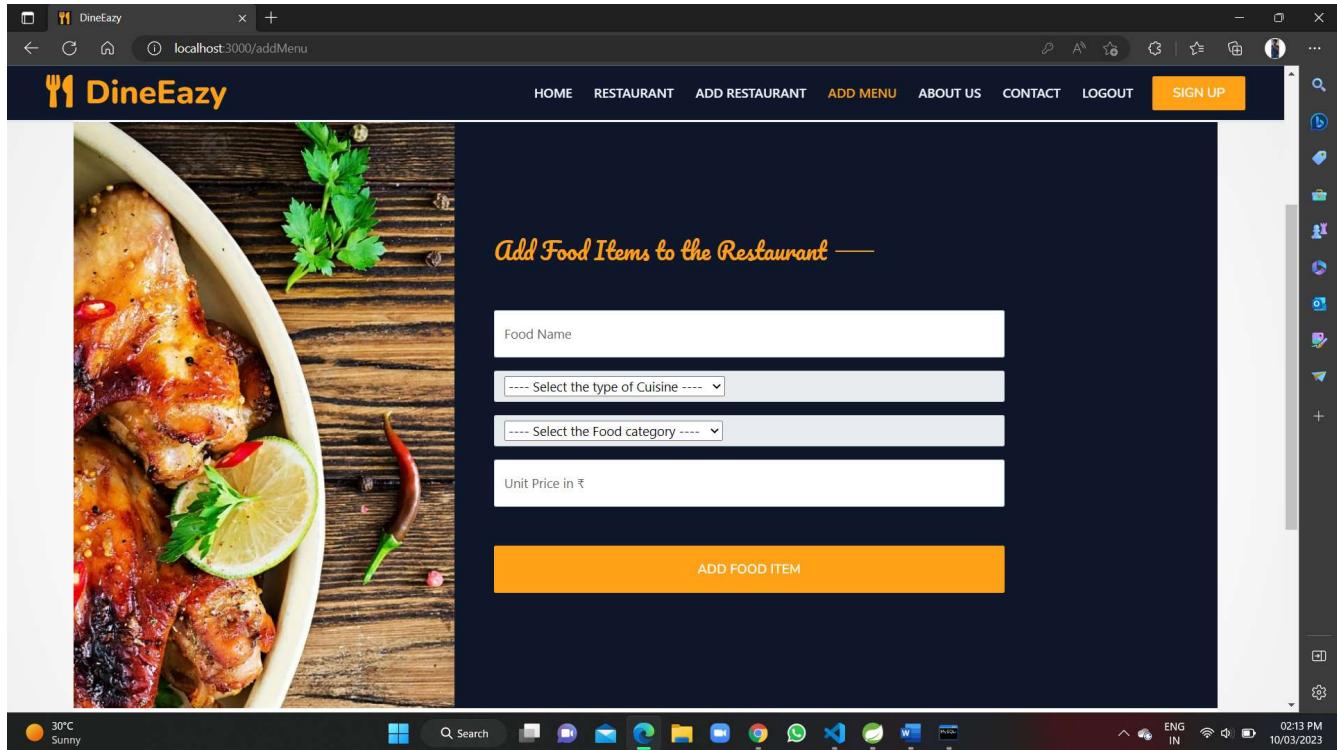
After Restaurant Login Add Restaurant :





Add Menu Page:





Add Food Items to the Restaurant —

Food Name _____

---- Select the type of Cuisine ----

---- Select the Food category ----

- Main Course
- Rice
- Indian Breads
- Curry
- Dessert
- Starter
- Soup
- Salad
- Continental
- Beverage

ADD FOOD ITEM

Unit Price in ₹ _____

ADD FOOD ITEM

Company —

- > About Us
- > Contact Us
- > Reservation
- > Login-Signup
- > Add Restaurant

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Contact —

Baner, Pune
1800 80 1454
team.dineeasy@gmail.com

[Twitter](#) [Facebook](#) [YouTube](#) [LinkedIn](#)

More Information —

- > Privacy Policy
- > CSR
- > Terms & Conditions
- > Careers

Our Aim —

We proudly support Share Our Strength's No Kid Hungry campaign. Together, our goal is to ensure that all Indian children get the healthy food they need to live and grow everyday.

Home | Cookies | Help | FAQs

Booking Process:

The screenshot shows a web browser window for the DineEasy platform. The URL is `localhost:3000/booking`. The main content features a large image of a restaurant interior with tables and chairs. Below the image, a yellow box contains the text "FEAST" and "SHERATON GRAND HOTEL, SANGAMVADI, PUNE." It also specifies "₹349 FOR 1 APPROX" and "OPEN FROM 09:00:00 - 23:00:00". The top navigation bar includes links for HOME, BOOK A TABLE, RESTAURANT, ABOUT US, CONTACT, LOGOUT, and MY BOOKINGS. The bottom taskbar shows the Windows Start button, a search bar, and various pinned application icons.

This screenshot shows the same DineEasy booking page as above, but with a different view. It displays a list of features: Air Condition, Live Music, Lift, Outdoor Seating, and Card Accepted. Below this, a section titled "Make a Reservation" includes input fields for date ("dd/mm/yyyy"), meal times ("BREAKFAST", "LUNCH", "DINNER" dropdowns), name, number of guests, special requests, and payable amount (set to 0). The top navigation and taskbar are identical to the previous screenshot.

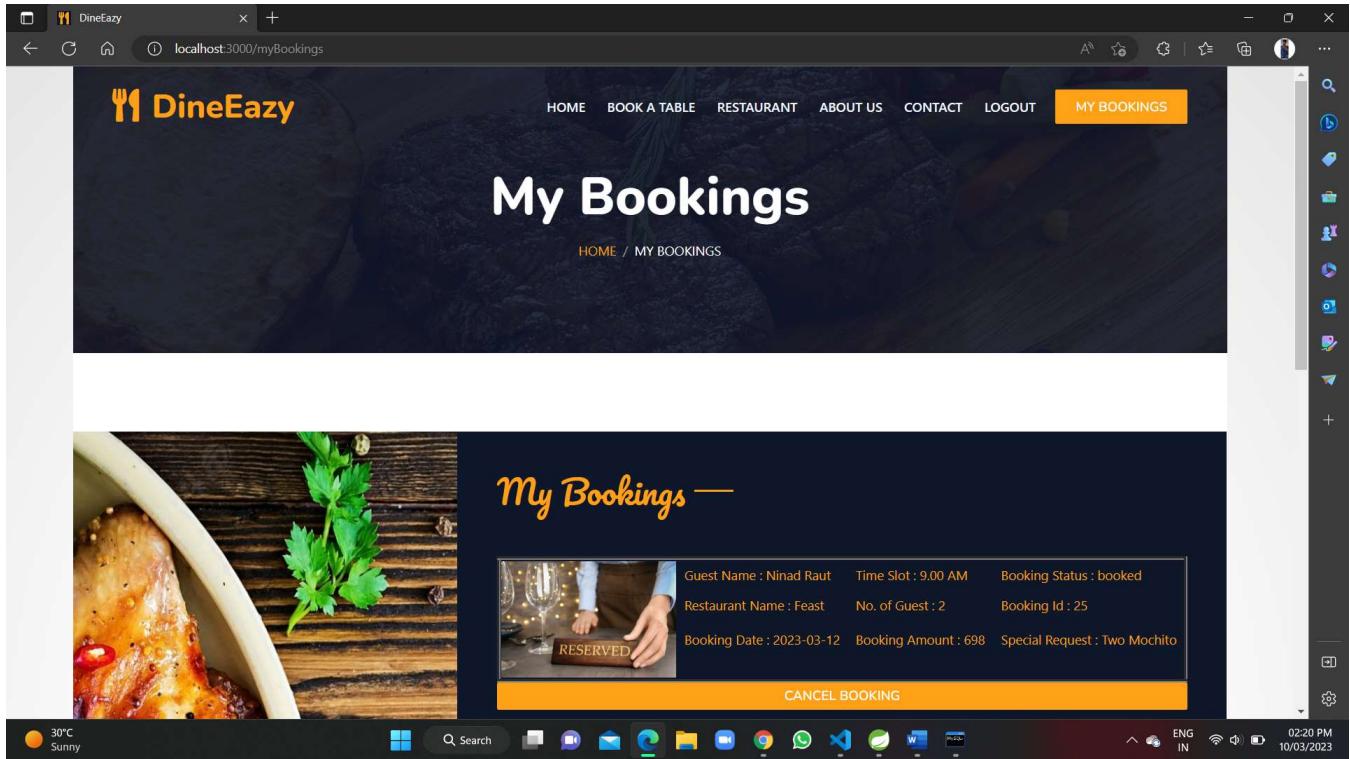
The screenshot shows the DineEasy booking interface. At the top, there's a navigation bar with links for HOME, BOOK A TABLE, RESTAURANT, ABOUT US, CONTACT, LOGOUT, and MY BOOKINGS. A "Card Accepted" badge is visible. The main section is titled "Make a Reservation" and includes fields for Date (12/03/2023), Time (BREAKFAST, LUNCH, DINNER), Name (Ninad Raut), Number of Guest (2), Special Request (Two Mochito), and Payable Amount (698). A large orange "PAY & BOOK" button is at the bottom.

The screenshot shows the DineEasy menu page. The menu is titled "Menu at Feast". It lists various Indian dishes with their descriptions, prices, and quantity selection boxes. The dishes and their details are:

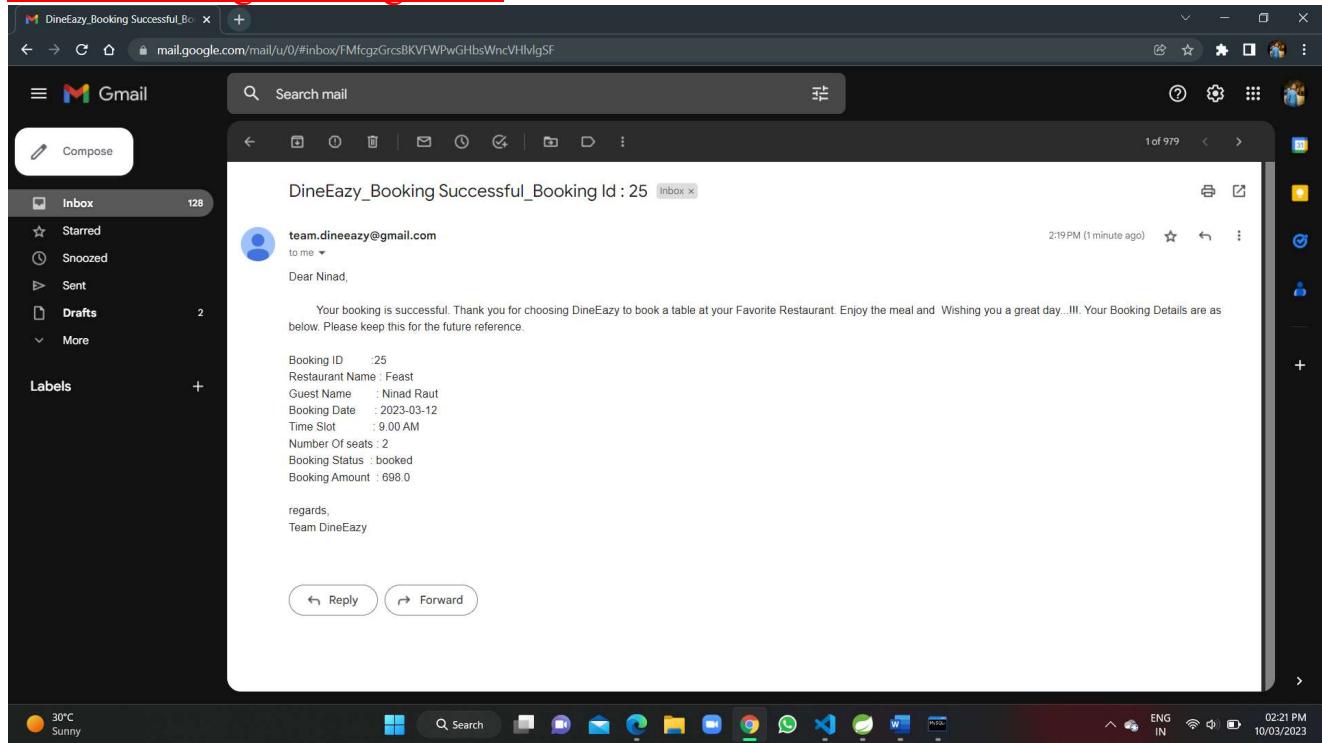
Dish	Description	Price	Action
Paneer Tikka Masala	North Indian	₹ 240	+
Butter Chicken	North Indian	₹ 400	+
Shev Bhaji	Maharashtrian	₹ 150	+
Tandoori Roti	North Indian	₹ 30	+
Jira Rice	North Indian	₹ 200	+
Vada Sambar	South Indian	₹ 120	+
Masala Dosa	South Indian	₹ 130	+
Rasmalai	North Indian	₹ 150	+
Veg Manchurian	Chinese	₹ 160	+
Kathi Roll	North Indian	₹ 140	+

The screenshot shows the DineEazy booking page. At the top, there's a navigation bar with links for HOME, BOOK A TABLE, RESTAURANT, ABOUT US, CONTACT, LOGOUT, and MY BOOKINGS. A search bar is also present. The main content area displays a menu item: "Kathi Roll" from "North Indian" for ₹ 140. Below this, a "Grand Total" section shows ₹ 0/-, indicating no items have been added yet. A "PLACE YOUR ORDER" button is visible. The footer contains sections for Company (About Us, Contact Us, Reservation, Login-Signup, Add Restaurant), Contact (location: Baner, Pune; phone: 1800 80 1454; email: team.dineeasy@gmail.com; social media links for Twitter, Facebook, YouTube, LinkedIn), More Information (Privacy Policy, CSR, Terms & Conditions, Careers), and Our Aim (supporting the No Kid Hungry campaign). The bottom of the screen shows a taskbar with various application icons and system status.

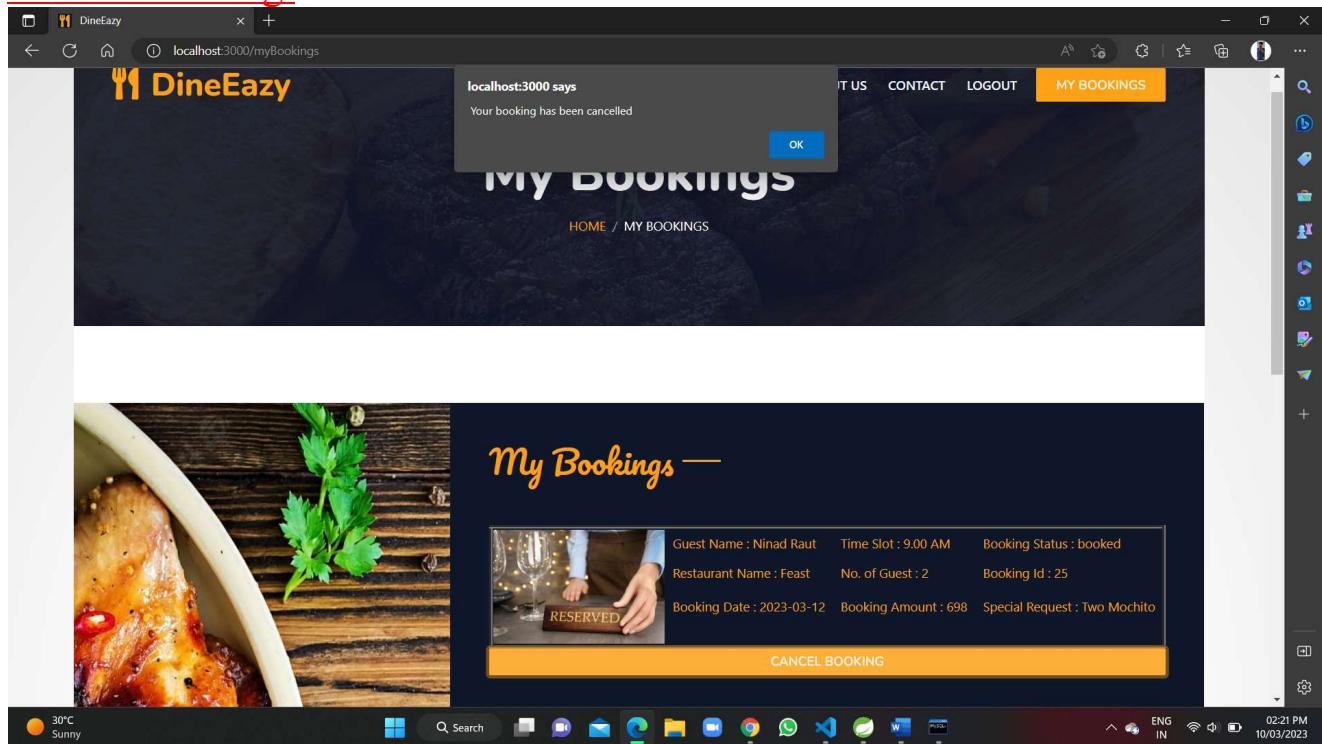
This screenshot shows the same booking page after a booking has been made. A modal window in the center says "localhost:3000 says booking successful". The rest of the page remains largely the same, with the "PAY & BOOK" button now being highlighted. The footer and taskbar are identical to the previous screenshot.

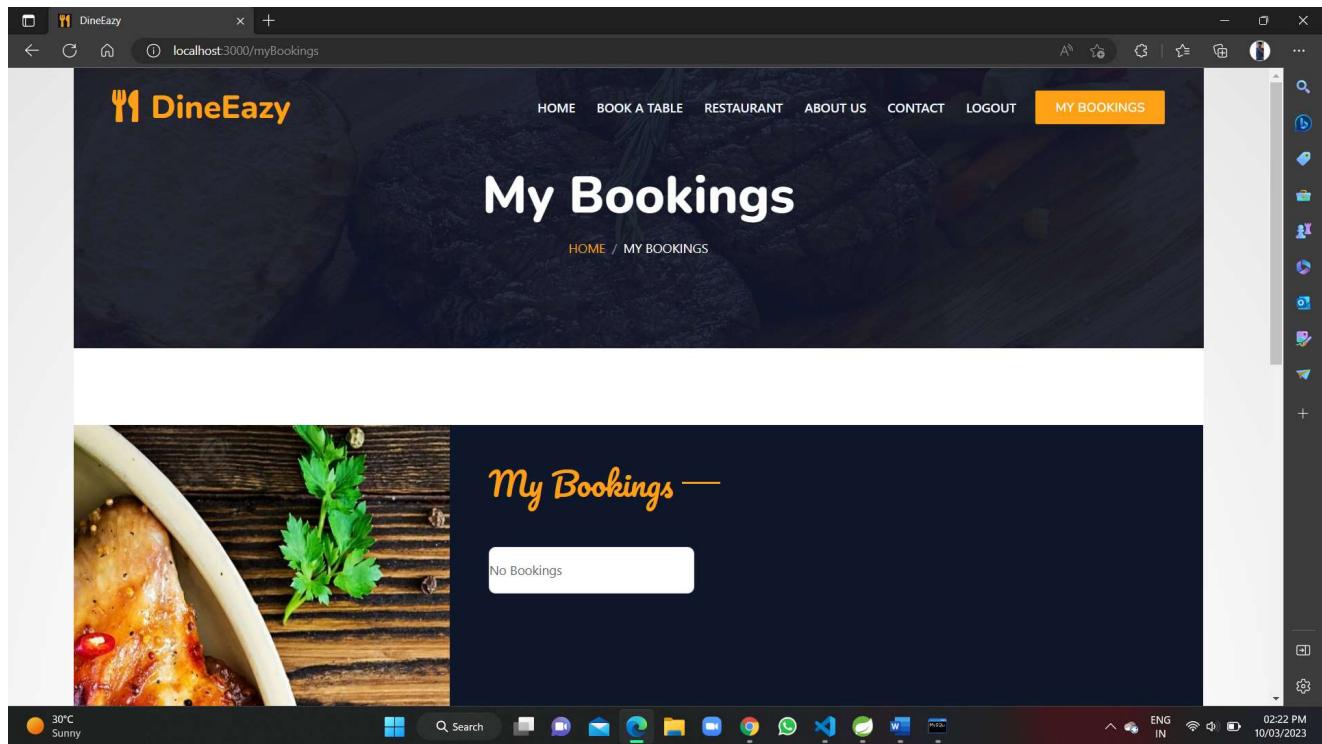


After Booking booking mail:

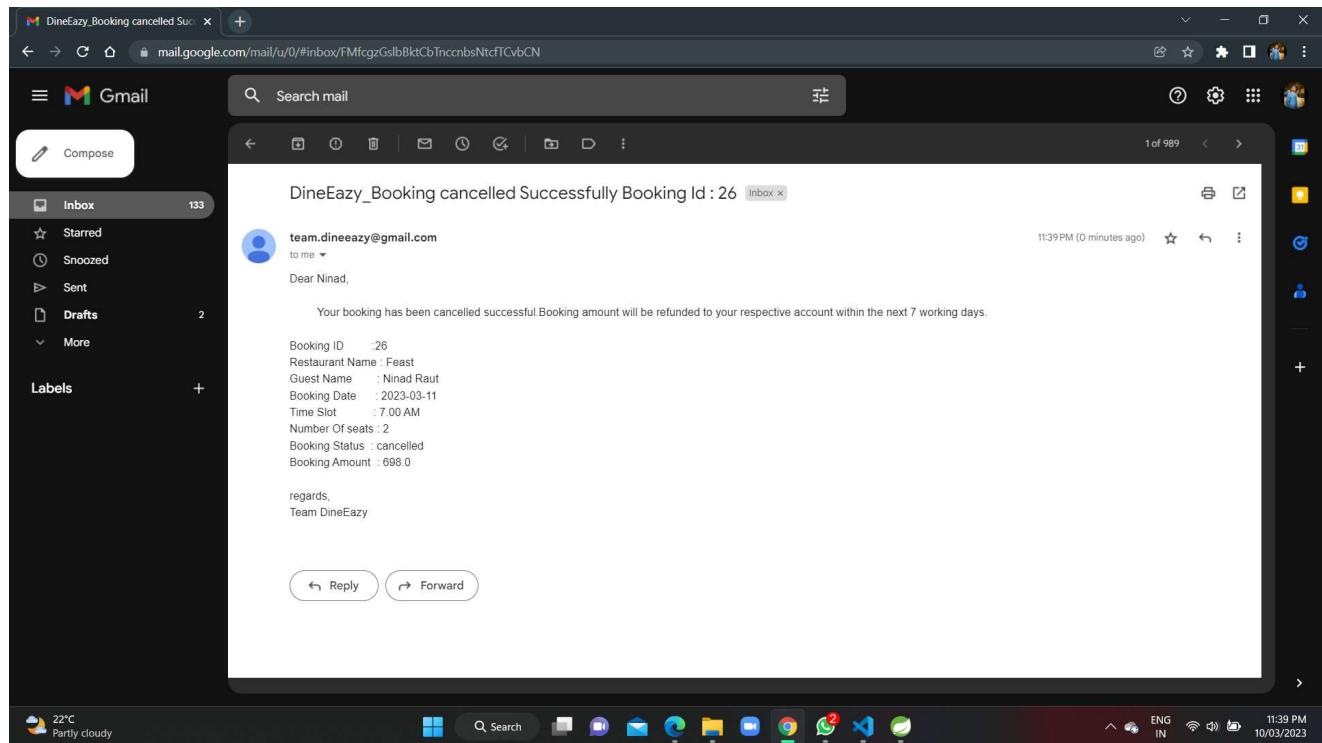


Cancel Booking:





Cancel Booking Mail :



CONCLUSION

The project entitled **DineEazy** was completed successfully.

The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a web application and reserve the table.

This project helped us in gaining valuable information and practical knowledge on several topics like designing web pages using React.js, usage of responsive templates, and management of database using MySQL. The entire system is secured. Also, the project helped us understanding about the development phases of a project and software development life cycle. We learned how to test different features of a project.

This project has given us great satisfaction in having designed an application which can be implemented to any nearby shops or branded shops selling various kinds of products by simple modifications.

There is a scope for further development in our project to a great extent. A number of features can be added to this system in future like providing moderator more control over reservation so that each moderator can maintain their own restaurant. Another feature we wished to implement was providing reservation to event or party int their restaurant. These features could have implemented unless the time did not limit us.

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- [2] Mc Graw Hill's, Java: The complete reference 7thEdition, Herbert Scheldt
- [3] Complete CSS Guide, Maxine Sherrin and John Allsopp-O'ReillyMedia; September 2012

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