

PROJECT REPORT ON

Food Zone

Online Food Delivery

USING

JSP(Java), HTML, CSS, JS & MYSQL

Preface

It is with great pleasure and enthusiasm that we present this project report, titled Food Zone, as part of our academic endeavor in the Bachelor of Computer Applications (BCA) program at **Saurashtra University**.

This project represents the culmination of our learning journey throughout our tenure in the **TYBCA** (Third Year Bachelor of Computer Applications) program. It embodies the knowledge, skills, and experiences gained during our academic pursuits, as well as our passion for exploring and implementing innovative solutions in the field of computer applications.

This report provides a comprehensive overview of the project, including its background, objectives, methodology, implementation details, results, and conclusions. It also reflects upon the challenges encountered during the project lifecycle and the strategies employed to overcome them.

We would also like to express our gratitude to our peers and colleagues for their collaboration and constructive feedback, which have enriched our learning experience and contributed to the success of this project.

Lastly, we would like to thank the administration of Saurashtra University for providing us with the necessary resources and infrastructure to pursue our academic endeavors.

- Gandhi Nishtha

TYBCA

Bosamiya College - Jetpur

Saurashtra University

Acknowledgement

At this Moment, First and foremost we would like to thank the Respected Head of our Department BCA, **Prof. Sachin Dave** and Our Respected Guide **Prof. Nitin Chudasama** who gave me Opportunity to do this Project work under their Guidance.

Also I Wish to Thank my Parents for Made me Capable for Creating This Project, I appreciate every bit of encouragement all gave me to make this project. Finally I wish to thank God for helping us throughout the completion of our project.

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Prepared by Nishtha Gandhi

Submitted to – GK & CK Bosamia College

Introduction

In today's fast-paced digital world, the internet has revolutionized various aspects of our lives, including the way we access information, communicate with others, and conduct business. One of the significant transformations brought about by the digital era is the rise of online platforms and websites, which have become integral tools for connecting businesses with consumers and facilitating seamless transactions.

The Advantage of online food delivery has significantly transformed the way individuals access and utilize Transportation services. Online food order platforms, such as 'Food Zone,' have emerged as convenient and efficient solutions for individuals seeking flexible and hassle-free transportation options.

In **Food Zone** you will find Simple UI and Controls, Every user can interact with this site Without any Stress or Confusion. Only User need His User ID and can order Any Food by Click with just One Button. This Action Send a Record to Team and one responsible team member Review that Request and Contact to Customer through Message and make order confirmed.

So Basically there is no Online Payment System in Website, User had to Only Select the Food, all the Operations have to Performed by Team.

In conclusion, **Food Zone** and similar online food ordering platforms represent the epitome of innovation in the transportation industry, leveraging the power of the digital world to offer convenient, efficient, and customer-centric solutions for individuals seeking reliable transportation services. As we continue to embrace the digital age, online food order services are poised to play an increasingly significant role in shaping the future of transportation and travel.

Project Profile

Project Title - Food Zone

Platform - Windows

Front End - Html, CSS, JS

Back End - JSP (Java) & MySQL

Project Guide - Prof. Nitin Chudasama

Developed By - Gandhi Nishtha P.

Submission Date - 28/02/2024

Submitted To - Shree G.K & C.K. Bosamiya
College, Jetpur

System Development Life Cycle

SDLC is a process followed for a software project, within a software organization. It consists of a detailed plan describing how to develop, maintain, replace and alter or enhance specific software. The life cycle defines a methodology for improving the quality of software and the overall development process.

The following figure is a graphical representation of the various stages of a typical SDLC.

Planning and Requirement Analysis:

Requirement analysis is the most important and fundamental stage in SDLC. It is performed by the senior members of the team with inputs from the customer, the sales department, market surveys and domain experts in the industry. This information is then used to plan the basic project approach and to conduct product feasibility study in the economical, operational and technical areas.

Planning for the quality assurance requirements and identification of the risks associated with the project is also done in the planning stage. The outcome of the technical feasibility study is to define the various technical approaches that can be followed to implement the project successfully with minimum risks.

Defining Requirements:

Once the requirement analysis is done the next step is to clearly define and document the product requirements and get them approved from the customer or the market analysts. This is done through an SRS (Software Requirement Specification) document which consists of all the product requirements to be designed and developed during the project life cycle.

Designing the Product Architecture:

SRS is the reference for product architects to come out with the best architecture for the product to be developed. Based on the requirements specified in SRS, usually more than one design approach for the product architecture is proposed and documented in a DDS - Design Document Specification.

This DDS is reviewed by all the important stakeholders and based on various parameters as risk assessment, product robustness, design modularity, budget and time constraints, the best design approach is selected for the product.

A design approach clearly defines all the architectural modules of the product along with its communication and data flow representation with the external and third party modules (if any). The internal design of all the modules of the proposed architecture should be clearly defined with the minutest of the details in DDS.

Building or Developing the Product:

In this stage of SDLC the actual development starts and the product is built. The programming code is generated as per DDS during this stage. If the design is performed in a detailed and organized manner, code generation can be accomplished without much hassle.

Developers must follow the coding guidelines defined by their organization and programming tools like compilers, interpreters, debuggers, etc. are used to generate the code. Different high level programming languages such as C, C++, Pascal, Java and PHP are used for coding. The programming language is chosen with respect to the type of software being developed.

Testing:

This stage is usually a subset of all the stages as in the modern SDLC models, the testing activities are mostly involved in all the stages of SDLC. However, this stage refers to the testing only stage of the product where product defects are reported, tracked, fixed and retested, until the product reaches the quality standards defined in the SRS.

Deployment:

Once the product is tested and ready to be deployed it is released formally in the appropriate market. Sometimes product deployment happens in stages as per the business strategy of that organization. The product may first be released in a limited segment and tested in the real business environment (UATUser acceptance testing).

Then based on the feedback, the product may be released as it is or with suggested enhancements in the targeting market segment. After the product is released in the market, its maintenance is done for the existing customer base.

Analysis Requirements

In any organization, every new product or service is created in response to a business need. However, despite spending tremendous time and resources on development, there can be a mismatch between the required product and the final product. Hence, there is a need for a focused and detailed requirements analysis in the early stages of any project to avoid major problems in the future.

Requirements analysis or requirements engineering is a process used to determine the needs and expectations of a new product. It involves frequent communication with the Stakeholders and end-users of the product to define expectations, resolve conflicts, and document all the key requirements.

One of the greatest challenges faced by any organization is to share the vision of the final product with the customers. Hence, a business requirements analysis involves a team effort of all the key stakeholders, software developers, end-users, and customer managers to achieve a shared understanding of what the product should do. This is always done in the early phase of any project to ensure that the final product conforms to all the requirements.

Feasibility Study

A Feasibility study is a detailed analysis that considers all of the critical aspects of a proposed project in order to determine the likelihood of it succeeding.

Success in business may be defined primarily by return on investment, meaning that the project will generate enough profit to justify the investment. However, many other important factors may be identified on the plus or minus side, such as community reaction and environmental impact.

Although feasibility studies can help project managers determine the risk and return of pursuing a plan of action, several steps should be considered before moving forward.

Understanding a Feasibility Study –

A Feasibility study is an assessment of the practicality of a proposed plan or project. A feasibility study analyzes the viability of a project to determine whether the project or venture is likely to succeed. The study is also designed to identify potential issues and problems that could arise while pursuing the project.

Hardware & Software

During system development, i have to design both static and dynamic website interfaces, create website functions and a database system, edit photos and pictures, so its has a set of software and hardware requirements.

Used Hardware

Lenovo laptop

Intel Core i3 Processor

8 GB RAM

120 GB SSD

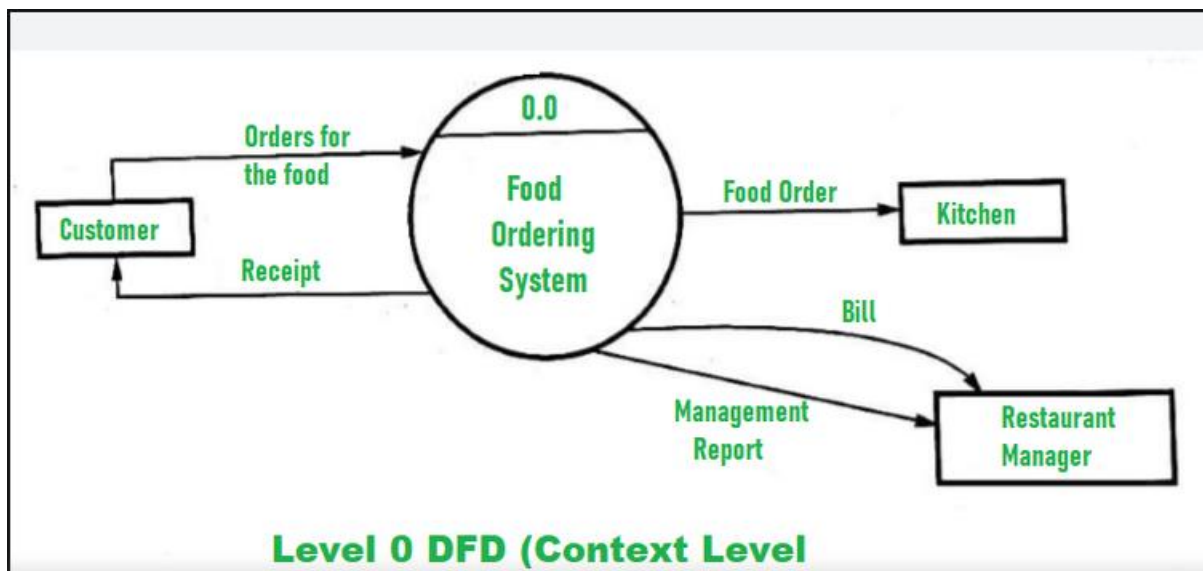
Used Softwares

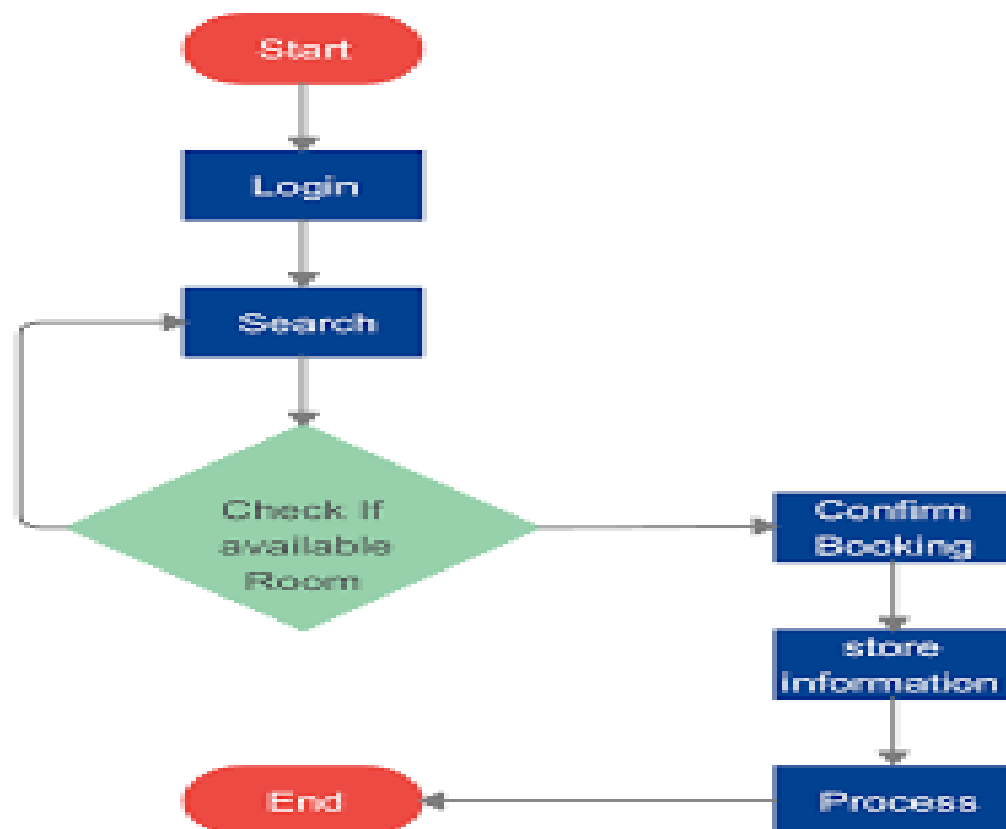
Eclipse IDE

Firefox Browser

Wamp MySQL Database

Flow Chart

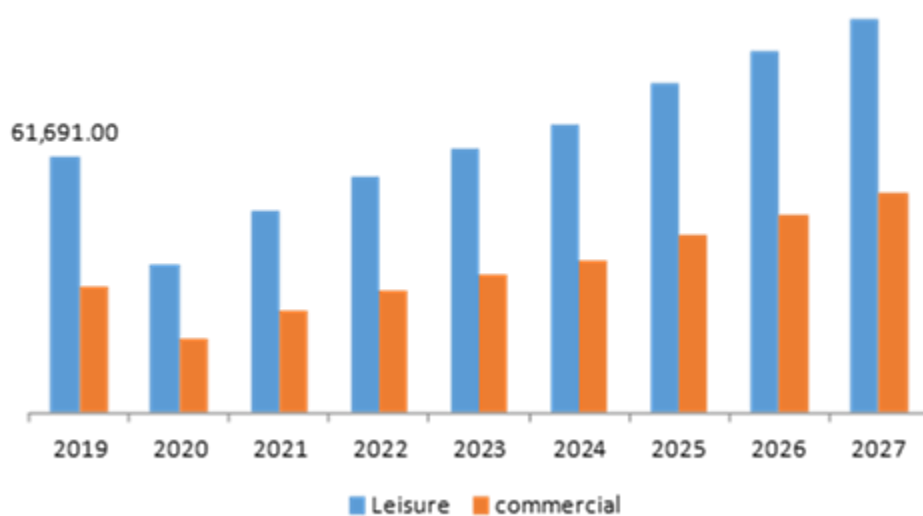




Bar Chart

A collection of colorful bar charts ideal for depicting ecommerce and social networking data. The high quality graphics and themed icons are just what you need to create a professional presentation. You can customize each chart and shape to suit the needs of your presentation.

Our Website is not Available on Internet, So we can't create bar chart. And it Looks like this –



Time Line





No.	Project Task	No. of Days	Starting Date	Ending Date
1.	Requirement Gathering	6	16-Dec-23	21-Dec-23
2.	Requirement Analysis	6	22-Dec-23	27-Dec-23
3.	Feasibility Study	6	28-Dec-23	02-Jan-23
4.	Data Information	4	03-Jan-23	06-Jan-23
5.	Data Structure	8	07-Jan-23	14-Jan-23
6.	Data Flow Diagram: Admin & Client	5	15-Jan-23	19-Jan-23
7.	Designing: Admin & Client	5	20-Jan-23	24-Jan-23
8.	Coding	23	25-Jan-23	16-Feb-24
9.	Error & Solution	4	17-Feb-24	20-Feb-24
10.	Testing	3	21-Feb-24	23-Feb-24
11.	Implementation	2	24-Feb-24	25-Feb-24
12.	Limitation	2	26-Feb-24	27-Feb-24
13.	Conclusion	1	28-Feb-24	28-Feb-24

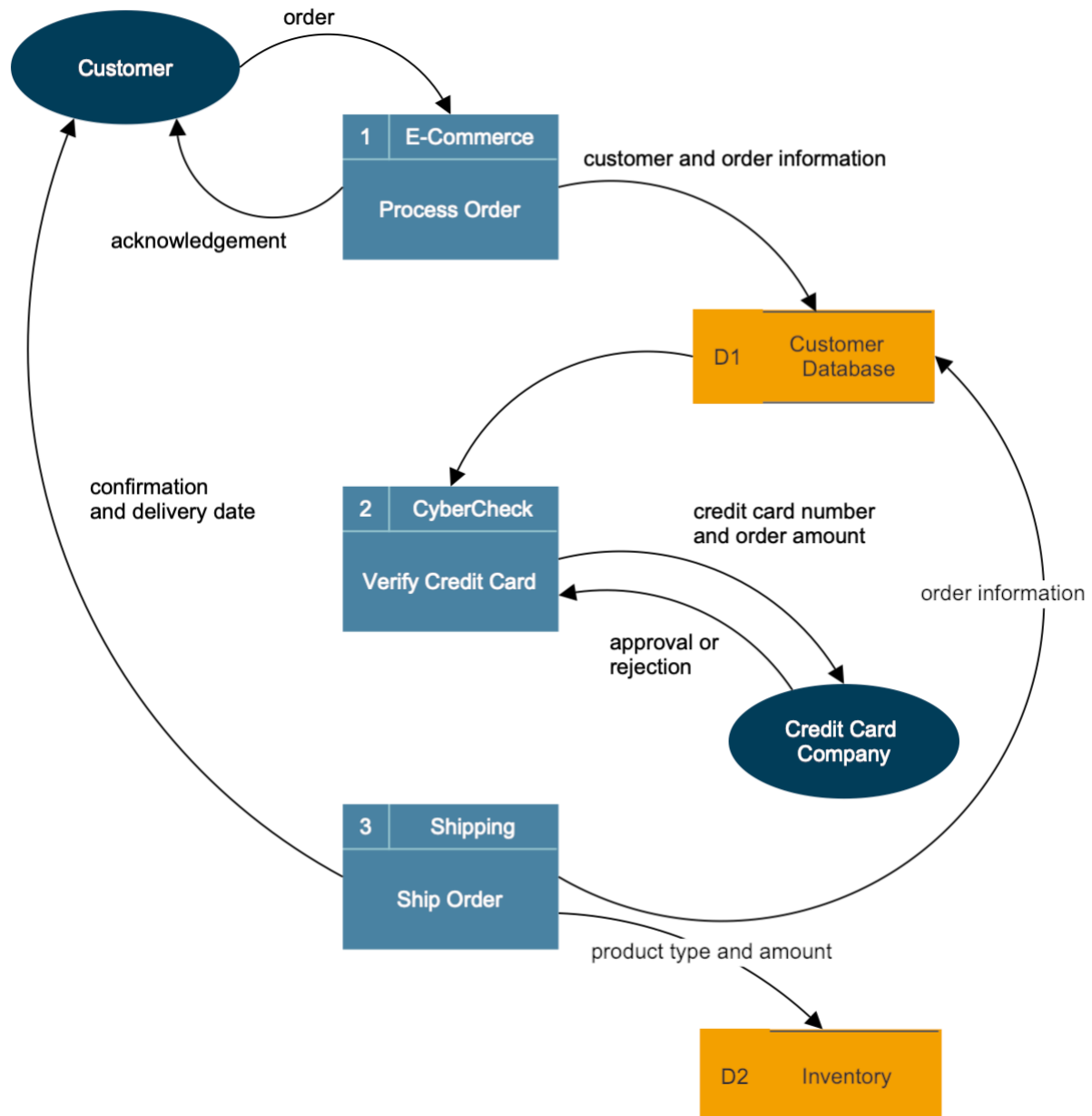
Gantt Chart

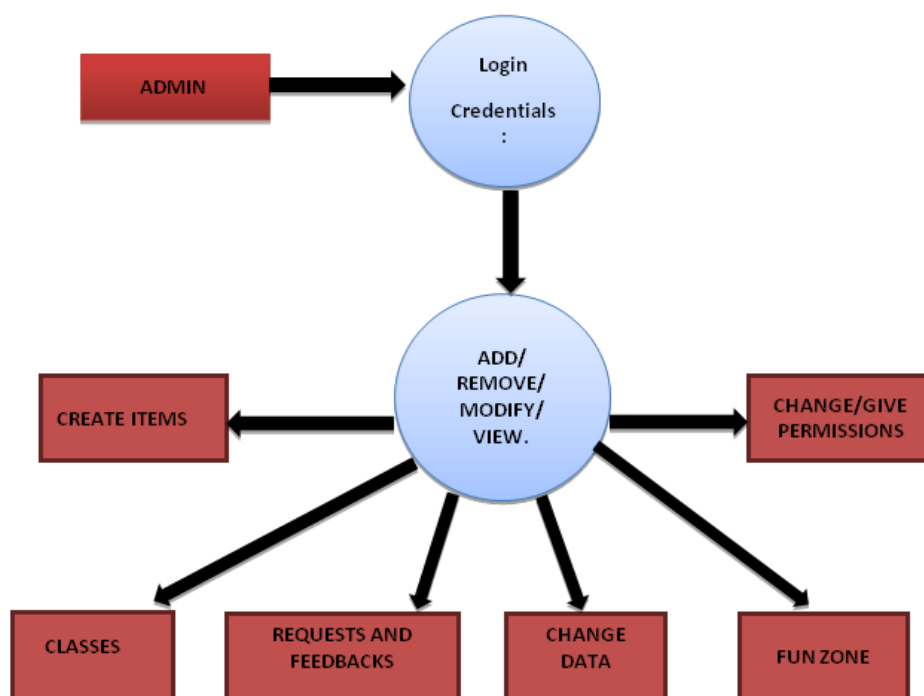
16-Dec to 06-Jan	07-Jan to 19-Jan	20-Jan to 24-Jan	25-Jan to 27-Jan	28-Jan to 14-Feb	15-Feb to 17-Feb	18-Feb to 20-Feb	28- Feb
Information Gathering							
	Planning (Roughwork)						
		Designing					
			Database Making				
				Coding			
					Validations		
						Testing	
							Submit

Data Flow Diagram

A data flow diagram is a graphical view of how data is processed in a system in terms of input and output. The Data flow diagram (DFD) contains some symbol for drawing the data.

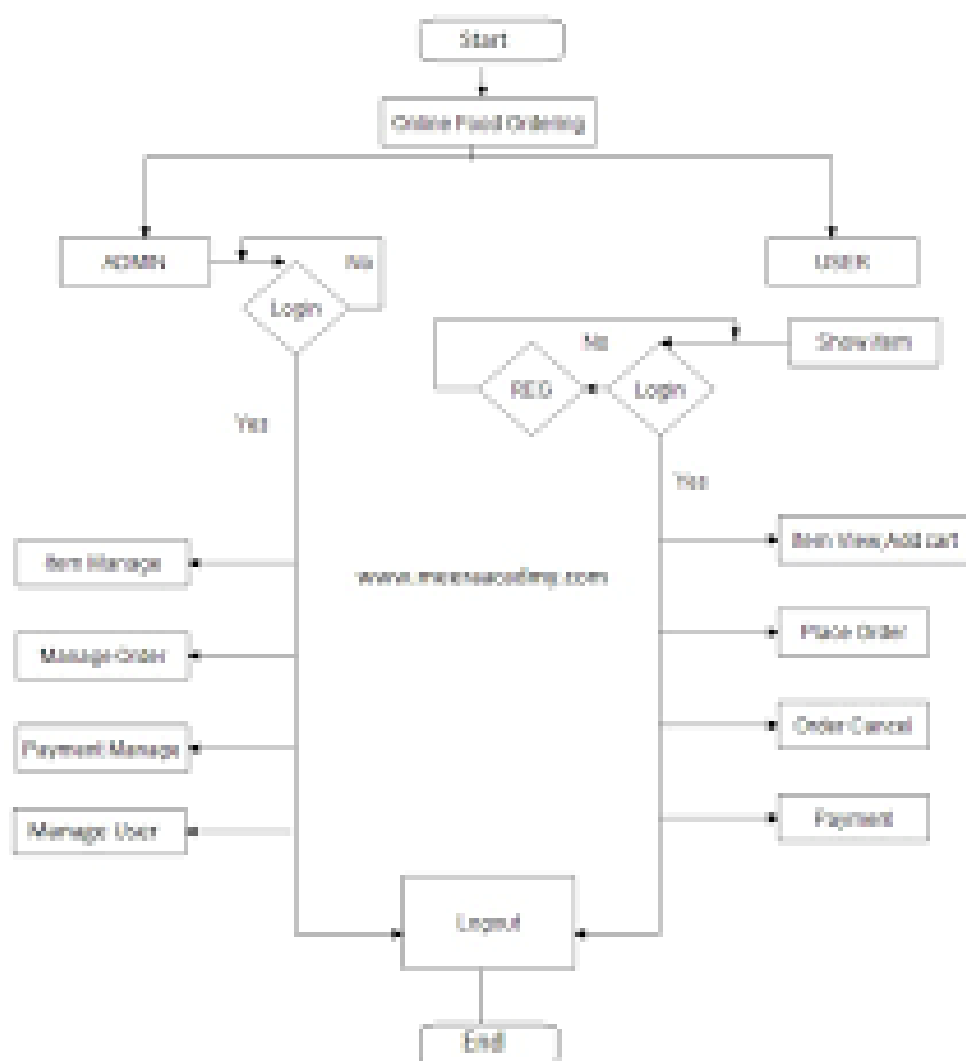
	dataflow	Arrows showing direction of flow
	process	circles
	file	horizontal pair of lines
	data-source, sink	rectangular box

User Side Data Flow Diagram :

Admin Side Data Flow Diagram :

Use Case Diagram

The use case diagram are usually referred to as behavior diagram used to describe the actions of all user in a system.



Data Structure

Databases are vital tools for storing, managing, and retrieving information. They are also critical for building an e-commerce system. A well-structured database powers e-commerce and manages all the interactions within the system.

The main consideration when designing the database is identifying the functionalities offered by the e-commerce platform. These functionalities can be further divided into core functions and additional functions.

Core functions are the functions necessary for facilitating the day-to-day operations of the e-commerce platform, including user management, product and inventory management, shopping cart function, payment management, and shipping/logistics management.

Additional functions are the nice-to-have functions for the e-commerce platform that enhance the user experience for both end-users (customers) and administrators (the business). Additional functions include marketing functions, help desk and support, advanced analytics, and third-party integrations.

I Used Wamp Server's MySQL Server for Manage Database and Tables.

There Following Data Tables for Store Data –

Admin Table -

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	id 🗝️	int(11)			No	None		AUTO_INCREMENT
2	email	varchar(50)	latin1_swedish_ci		No	None		
3	name	varchar(50)	latin1_swedish_ci		No	None		
4	type	varchar(20)	latin1_swedish_ci		No	None		
5	password	varchar(50)	latin1_swedish_ci		No	None		
6	gen	varchar(10)	latin1_swedish_ci		No	None		


Customer Table –

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	customer_id 🗝️	int(10)			No	None		AUTO_INCREMENT
2	customer_name	varchar(20)	latin1_swedish_ci		No	None		
3	customer_emailID	varchar(20)	latin1_swedish_ci		No	None		
4	customer_password	varchar(50)	latin1_swedish_ci		No	None		
5	customer_address	varchar(50)	latin1_swedish_ci		No	None		


Food Table –

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	food_id 🗝️	int(10)			No	None		AUTO_INCREMENT
2	food_name	varchar(25)	latin1_swedish_ci		No	None		
3	food_price	varchar(20)	latin1_swedish_ci		No	None		

Drink Table-

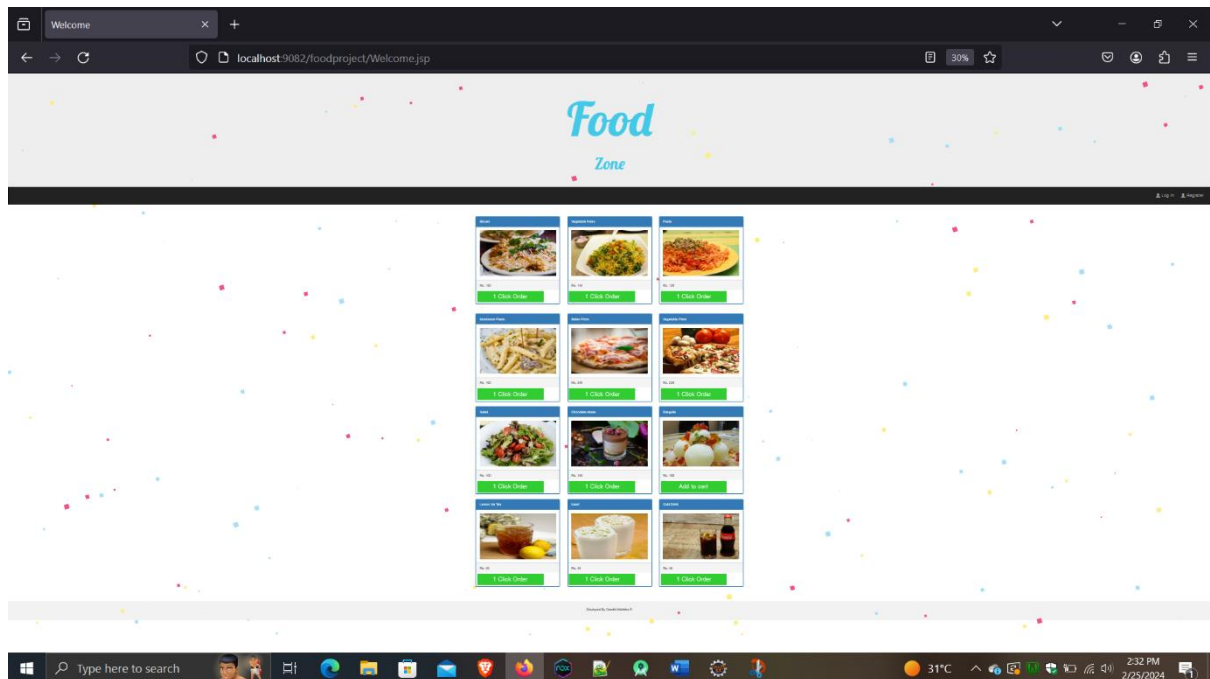
#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	drink_id 	int(10)			No	None		AUTO_INCREMENT
2	drink_name	varchar(20)	latin1_swedish_ci		No	None		
3	drink_price	varchar(20)	latin1_swedish_ci		No	None		

Total Order Table –

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	order_id 	int(11)			No	None		AUTO_INCREMENT
2	customer_id	int(11)			No	None		
3	order_date	date			No	None		
4	total_bill	int(11)			No	None		

Screen Layout and Body

This is First Page of Food Zone (Welcome.jsp) –



Coding –

```
<%@ page import = "javax.servlet.http.*,javax.servlet.*" %>
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
    <title>Welcome</title>
```

Prepared by Nishtha Gandhi

Submitted to – GK & CK Bosamia College

```
<meta charset="utf-8">

<meta name="viewport" content="width=device-width, initial-scale=1">

<link                                                    rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">

<link                                                    rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css
">

<link rel="stylesheet" href="CSS/button.css">

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></scrip
t>

<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></sc
ript>

<link                                                    rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css
">

<link href="https://fonts.googleapis.com/css?family=Lobster" rel="stylesheet"
type="text/css">
<style>
    .head-text {
        color: rgb(67, 202, 232);
        font-family: Lobster;
        font-size: 200px;
    }
    .subhead-text{
        color: rgb(67, 202, 232);
        font-family: Lobster;
        font-size: 70px;}
</style>
```

```
<link rel="stylesheet" href="CSS/style.css">

<script src="bg_effect.js"></script>

<style>
  /* Remove the navbar's default rounded borders and increase the bottom margin
  */
  .navbar {
    margin-bottom: 50px;
    border-radius: 0;
  }

  /* Remove the jumbotron's default bottom margin */
  .jumbotron {
    margin-bottom: 0;
  }

  /* Add a gray background color and some padding to the footer */
  footer {
    background-color: #f2f2f2;
    padding: 25px;
  }
</style>
</head>
<body>
```

```
<script  
src='https://cdn.rawgit.com/Siddharth11/gradStop.js/master/gradstop.js'></scri  
pt>
```

```
<script src="CSS/index.js"></script>
```

```
<div class="background">
```

```
<div class="jumbotron">
```

```
<div class="container text-center">
```

```
<div class="head-text">Food</div>
```

```
<div class="subhead-text">Zone</div>
```

```
</div>
```

```
</div>
```

```
<nav class="navbar navbar-inverse">
```

```
<div class="container-fluid">
```

```
<div class="navbar-header">
```

```
<button type="button" class="navbar-toggle" data-toggle="collapse" data-  
target="#myNavbar">
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
</button>
```

```
</div>

<div class="collapse navbar-collapse" id="myNavbar">
  <ul class="nav navbar-nav navbar-right">
    <% if(session.getAttribute("email") != null) { %>
      <li><a href="#"><h4>Hello <%= session.getAttribute("email")
%></h4></a></li>

      <li><a href="cart.jsp"><h4><span class="glyphicon glyphicon-shopping-
cart"></span> Orders</h4></a></li>

      <li><a href="logout.jsp"><h4><span class="glyphicon glyphicon-
user"></span> Log Out</h4></a></li>

    <% } else{ %>

      <li><a href="logout.jsp"><h4><span class="glyphicon glyphicon-
user"></span> Log In</h4></a></li>

      <li><a href="Register.jsp"><h4><span class="glyphicon glyphicon-
user"></span> Register</h4></a></li>

    <% } %>

  </ul>
</div>
</div>
</nav>
<p id="demo">
<script>
/* function confirmBox() {
  var qty = prompt("Please enter quantity", 1);
  var xhttp = new XMLHttpRequest();
  xhttp.open("GET", "addToCart.jsp?qty="+qty+"\\"", true);
  xhttp.send();
} */
```

```
</script></p>

<div class="container">

  <div class="row">

    <div class="col-sm-4">

      <div class="panel panel-primary">

        <div class="panel-heading">Biriyani</div>

        <div class="panel-body"></div>

        <div class="panel-footer">Rs. 180</div>

        <a href="addToCart.jsp?p=1"><button class="button" style="vertical-align:middle" id="1" >!-- onclick="confirmBox()" --><span>1 Click Order
</span></button></a>

      </div>

    </div>

    <div class="col-sm-4">

      <div class="panel panel-primary">

        <div class="panel-heading">Vegetable Pulav</div>

        <div class="panel-body"></div>

        <div class="panel-footer">Rs. 140</div>

        <a href="addToCart.jsp?p=2"><button class="button" style="vertical-align:middle" id="2" >!-- onclick="confirmBox()" --><span>1 Click Order
</span></button></a>

      </div>

    </div>

    <div class="col-sm-4">

      <div class="panel panel-primary">

        <div class="panel-heading">Pasta</div>

        <div class="panel-body"></div>
```

```
<div class="panel-footer">Rs. 120</div>

    <a href="addToCart.jsp?p=3"><button class="button" style="vertical-
align:middle" id="3"> <!-- onclick="confirmBox()"> --><span>1 Click Order
</span></button></a>

    </div>

</div>

</div>

</div><br>

<div class="container">

    <div class="row">

        <div class="col-sm-4">

            <div class="panel panel-primary">

                <div class="panel-heading">Mushroom Pasta</div>

                <div class="panel-body"></div>

                <div class="panel-footer">Rs. 160</div>

                <a href="addToCart.jsp?p=4"><button class="button" style="vertical-
align:middle" id="4"><!-- onclick="confirmBox()"> --><span>1 Click Order
</span></button></a>

            </div>

        </div>

        <div class="col-sm-4">

            <div class="panel panel-primary">

                <div class="panel-heading">Italian Pizza</div>

                <div class="panel-body"></div>

                <div class="panel-footer">Rs. 250</div>

                <a href="addToCart.jsp?p=5"><button class="button" style="vertical-
align:middle" id="5"><!-- onclick="confirmBox()"> --><span>1 Click Order
</span></button></a>
```

```
</div>
</div>
<div class="col-sm-4">
  <div class="panel panel-primary">
    <div class="panel-heading"> Vegetable Pizza</div>
    <div class="panel-body"></div>
    <div class="panel-footer">Rs. 220</div>
    <a href="addToCart.jsp?p=6"><button class="button" style="vertical-align:middle" id="6"><!-- onclick="confirmBox()" --><span>1 Click Order</span></button></a>
  </div>
</div>
<div class="col-sm-4">
  <div class="panel panel-primary">
    <div class="panel-heading"> Salad</div>
    <div class="panel-body"></div>
    <div class="panel-footer">Rs. 100</div>
    <a href="addToCart.jsp?p=7"><button class="button" style="vertical-align:middle" id="7"><!-- onclick="confirmBox()" --><span>1 Click Order</span></button></a>
  </div>
</div>
<div class="col-sm-4">
  <div class="panel panel-primary">
    <div class="panel-heading">Chocolate shake </div>
    <div class="panel-body"></div>
    <div class="panel-footer">Rs. 150</div>
```



```

        <a href="addToCart.jsp?p=8"><button class="button" style="vertical-align:middle" id="8"><!-- onclick="confirmBox()"> --><span>1 Click Order</span></button></a>

    </div>
</div>

<div class="col-sm-4">

<div class="panel panel-primary">

    <div class="panel-heading">Rasgulla</div>

    <div class="panel-body"></div>

    <div class="panel-footer">Rs. 100</div>

    <a href="addToCart.jsp?p=9"><button class="button" style="vertical-align:middle" id="9"><span>Add to cart </span></button></a>

</div>
</div>

<div class="col-sm-4">

<div class="panel panel-primary">

    <div class="panel-heading">Lemon Ice Tea</div>

    <div class="panel-body"></div>

    <div class="panel-footer">Rs. 30</div>

    <a href="addToCart.jsp?p=101"><button class="button" style="vertical-align:middle" id="101"> <!-- onclick="confirmBox()"> --><span>1 Click Order</span></button></a>

</div>
</div>

<div class="col-sm-4">

<div class="panel panel-primary">

    <div class="panel-heading">Lassi</div>

    <div class="panel-body"></div>

```

```
<div class="panel-footer">Rs. 40</div>

<a href="addToCart.jsp?p=102"><button class="button" style="vertical-
align:middle" id="102"> <!-- onclick="confirmBox()"> --><span>1 Click Order
</span></button></a>

</div>
</div>

<div class="col-sm-4">

<div class="panel panel-primary">

<div class="panel-heading">Cold Drink</div>

<div class="panel-body"></div>

<div class="panel-footer">Rs. 40</div>

<a href="addToCart.jsp?p=103"><button class="button" style="vertical-
align:middle" id="103"><!-- onclick="confirmBox()"> --><span>1 Click Order
</span></button></a>

</div>

</div>

</div>
</div><br><br>

<footer class="container-fluid text-center">

<p>Developed By Gandhi Nishtha P.</p>

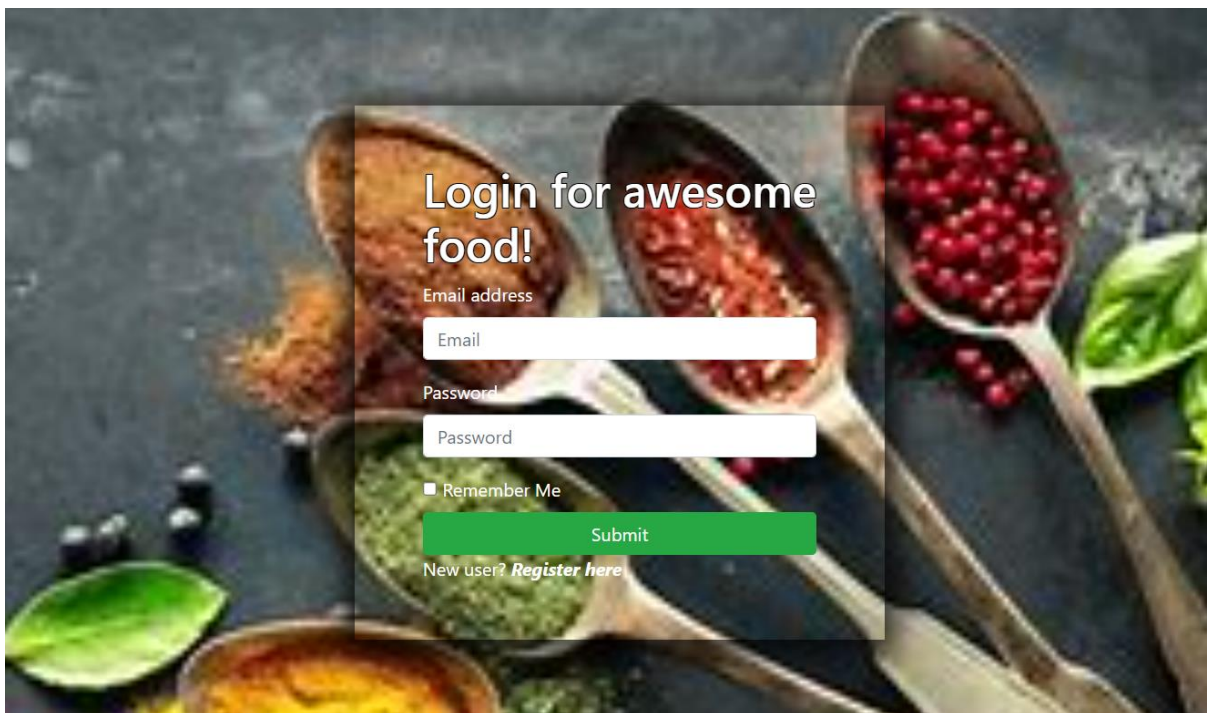
</footer>

</div>

</body>

</html>
```

Code of login.jsp –



```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1">
```

```
<link href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.0/css/bootstrap.min.css" rel="stylesheet">
```

```
<link href="CSS/index_bg.css" type="text/css" rel="stylesheet">

<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></scrip
t>

<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.0/umd/popper.min.js
"></script>

<script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.0/js/bootstrap.min.js"></sc
ript>

<title>Welcome to food</title>

</head>

<body class="bg" height="500" width="500">
<div class="container-fluid">
    <div class="row">
        <div class="col-md-4 col-sm-4 col-xs-12"></div>
        <div class="col-md-4 col-sm-4 col-xs-12">
            <form action="do-login.jsp" method="post" class="form-container">
                <h1 class="header"> Login for awesome food!</h1>
                <div class="form-group">
                    <label for="InputEmail">Email address</label>
                    <input type="email" name="email" class="form-control"
id="InputEmail" placeholder="Email" required>
                </div>
                <div class="form-group">
                    <label for="InputPassword">Password</label>
                    <input type="password" name="password" class="form-control"
id="InputPassword" placeholder="Password" required>
                </div>

                <div class="checkbox">
```

```
<label>
    <input type="checkbox"> Remember Me
</label>
</div>
<button type="submit" class="btn btn-success btn-
block">Submit</button>
    <div align="JUSTIFY">New user?<a class="register"
href="Register.jsp"><b> <i>Register here</i></b></a></div>
</form>
</div>
<div class="col-md-4 col-sm-4 col-xs-12"></div>
</div>
</div>
</body>
</html>
```

Code of Login's Backend file (do-login.jsp) –

```
<%@ page language="java" contentType="text/html; charset=ISO-8859-1"
pageEncoding="ISO-8859-1"%>

<%@ include file="connection.jsp" %>
    <%
        String email = request.getParameter("email");
        String pw = request.getParameter("pass");

        ResultSet rs;
        Statement st;

        try {
            st=con.createStatement();
```

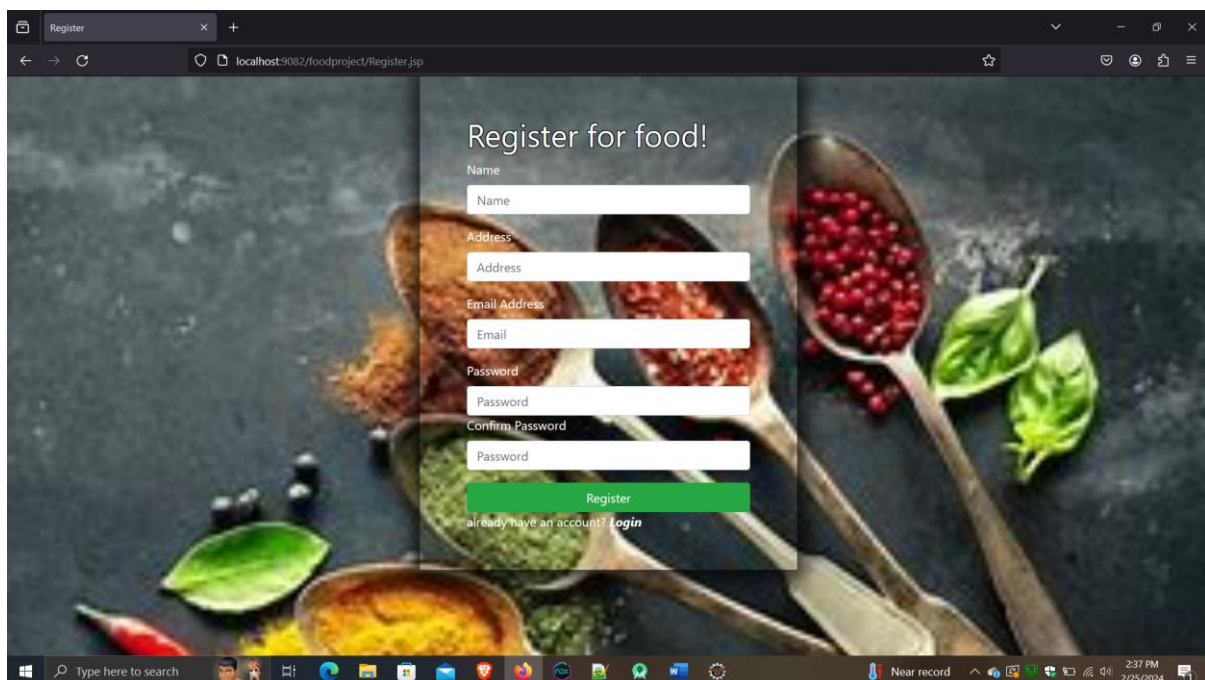
```
rs=st.executeQuery("select *from users where
email='"+email+"' and pw='"+pw+"'");

if(rs.next()) {
    response.sendRedirect("index.jsp");

    session.setAttribute("email",
rs.getString("email"));
}
else {
    %> <script>alert("Incorrect email or
Password")
                                window.location.href =
"login.jsp"; %>

}
}
catch(Exception e) {
    System.out.print(e);
}
```

Register Customer:



The screenshot shows a web browser window with the address bar displaying 'localhost:9082/foodproject/Register.jsp'. The page title is 'Register'. The main content area features a registration form titled 'Register for food!'. The form has the following fields: Name, Address, Email Address, Password, and Confirm Password. A green 'Register' button is located below the password fields. Below the button, there is a link that says 'already have an account? Login'. The background of the form is a dark, textured surface with various spices and herbs, including red peppercorns, green basil leaves, and yellow turmeric powder.

Coding:

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
    pageEncoding="UTF-8"%>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1">
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.0/css/bootstrap.
min.css">
  <link href="CSS/index_bg.css" type="text/css" rel="stylesheet">
  <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.j
s"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.0/umd/pop
per.min.js"></script>
  <script
src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.0/js/bootstrap.mi
n.js"></script>
<title>Register</title>
<style>
.bg
{
margin-top: -20vh;
}
</style>

</head>
<body>
<body class="bg">
<div class="container-fluid">
<div class="row">
<div class="col-md-4 col-sm-4 col-xs-12"></div>
<div class="col-md-4 col-sm-4 col-xs-12">
<form action="do-register.jsp" method="post" class="form-container">
<h1 class="header"> Register for food!</h1>
<div class="form-group">
<label for="InputName">Name</label>
```

```
<input name="name" class="form-control" id="InputName"
placeholder="Name" required>
</div>
<div class="form-group">
<label for="InputAddress">Address</label>
<input name="address" class="form-control" id="InputAddress"
placeholder="Address" required>
</div>
        <div class="form-group">
            <label for="exampleInputEmail1">Email
Address</label>
                <input type="email" name="email" class="form-
control" id="exampleInputEmail1" placeholder="Email" required>
            </div>
            <div class="form-group">
                <label for="InputPassword">Password</label>
                <input type="password" pattern="{4,}"
required title="6 characters minimum" name="password" class="form-
control" id="InputPassword" type="password" placeholder="Password"
required>
                <label for="ConfirmInputPassword1">Confirm
Password</label>
                <input name="confirmPassword" class="form-
control" id="ConfirmInputPassword" type="password"
placeholder="Password" required>
            </div>

            <button type="submit" class="btn btn-success btn-
block" onclick="index.html">Register</button>
            <div align="JUSTIFY">already have an account?<a
class="register" href="index.html"><b> <i>Login</i></b></a></div>

</form>
</div>
<div class="col-md-4 col-sm-4 col-xs-12"></div>
</div>
</div>
</body>
</html>
```


CheckOut.jsp



```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>Checkout</title>
<link
href="//netdna.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.cs
s"
rel="stylesheet" id="bootstrap-css">
<script
src="//netdna.bootstrapcdn.com/bootstrap/3.2.0/js/bootstrap.min.js">
</script>
<script src="//code.jquery.com/jquery-1.11.1.min.js"></script>
<link
href="//maxcdn.bootstrapcdn.com/font-awesome/4.1.0/css/font-
awesome.min.css"
rel="stylesheet">
<link href="cart.css" rel="stylesheet">
  <link href="https://fonts.googleapis.com/css?family=Lobster"
rel="stylesheet" type="text/css">
```

```
<style>
  .head-text {
    color: rgb(67, 202, 232);
    font-family: Lobster;
    font-size: 200px;
  }
  .subhead-text{
    color: rgb(67, 202, 232);
    font-family: Lobster;
    font-size: 70px;}
</style>

  <link rel="stylesheet" href="CSS/style.css">
<style>
  /* Remove the navbar's default rounded borders and increase the
bottom margin */
  .navbar {
    margin-bottom: 50px;
    border-radius: 0;
  }

  /* Remove the jumbotron's default bottom margin */
  .jumbotron {
    margin-bottom: 0;
  }

  /* Add a gray background color and some padding to the footer */
  footer {
    background-color: #f2f2f2;
    padding: 25px;
  }
  .deco{
    text-align: center;
    font-family: Lobster;
  }
</style>
</head>

<body>
<script
src='https://cdn.rawgit.com/Siddharth11/gradStop.js/master/gradstop.
js'></script>
```

```
<script src="CSS/index.js"></script>
<div class="background">

<div class="jumbotron">
  <div class="container text-center">
    <div class="head-text">Food</div>
    <div class="subhead-text"> Order Confirmed</div>

  </div>
</div>

<nav class="navbar navbar-inverse">
  <div class="container-fluid">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-
toggle="collapse" data-target="#myNavbar">
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>

      </div>
      <div class="collapse navbar-collapse" id="myNavbar">
        <ul class="nav navbar-nav navbar-right">
          <li><a href="logout.jsp"><h4><span class="glyphicon
glyphicon-user"></span> Log Out</h4></a></li>
        </ul>
      </div>
    </div>
  </nav>
<%
String email=(String)session.getAttribute("email");
%>

<div class="container">
<p> <h3 class="deco">Great! Your Order Record has been Noted <br>
You will get Confirmation email on Your email id <%= email %><br>
Please, Conform Your Order from Email <br>
Thank you for Order ! <br></h3>
</div>
</body>
</html>
```

Errors and Solution

* END NESTED EXCEPTION **

```
ast packet sent to the server was 0 ms ago.java.lang.NullPointerException
at org.apache.jsp.do_002dlogin_jsp._jspService(do_002dlogin_jsp.java:148)
at org.apache.jasper.runtime.HttpJspBase.service(HttpJspBase.java:70)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:583)
at org.apache.jasper.servlet.JspServletWrapper.service(JspServletWrapper.java:465)
at org.apache.jasper.servlet.JspServlet.serviceJspFile(JspServlet.java:383)
at org.apache.jasper.servlet.JspServlet.service(JspServlet.java:331)
at javax.servlet.http.HttpServlet.service(HttpServlet.java:583)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:212)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:156)
at org.apache.tomcat.websocket.server.WsFilter.doFilter(WsFilter.java:51)
at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:181)
at org.apache.catalina.core.ApplicationFilterChain.doFilter(ApplicationFilterChain.java:156)
at org.apache.catalina.core.StandardWrapperValve.invoke(StandardWrapperValve.java:167)
at org.apache.catalina.core.StandardContextValve.invoke(StandardContextValve.java:90)
at org.apache.catalina.authenticator.AuthenticatorBase.invoke(AuthenticatorBase.java:483)
at org.apache.catalina.core.StandardHostValve.invoke(StandardHostValve.java:130)
at org.apache.catalina.valves.ErrorReportValve.invoke(ErrorReportValve.java:93)
at org.apache.catalina.valves.AbstractAccessLogValve.invoke(AbstractAccessLogValve.java:682)
at org.apache.catalina.core.StandardEngineValve.invoke(StandardEngineValve.java:74)
at org.apache.catalina.connector.CoyoteAdapter.service(CoyoteAdapter.java:343)
at org.apache.coyote.http11.Http11Processor.service(Http11Processor.java:617)
at org.apache.coyote.AbstractProcessorLight.process(AbstractProcessorLight.java:63)
at org.apache.coyote.AbstractProtocol$ConnectionHandler.process(AbstractProtocol.java:932)
at org.apache.tomcat.util.net.NioEndpoint$SocketProcessor.doRun(NioEndpoint.java:1694)
at org.apache.tomcat.util.net.SocketProcessorBase.run(SocketProcessorBase.java:52)
at org.apache.tomcat.util.threads.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1191)
at org.apache.tomcat.util.threads.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:659)
at org.apache.tomcat.util.threads.TaskThread$WrappingRunnable.run(TaskThread.java:61)
at java.lang.Thread.run(Unknown Source)
```

I have facing numbers of error this is a screenshot of some error.

This error solution is we can not connect mysql server properly in jsp program.

```
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Server version name: Apache Tomcat/8.5.91
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Server built: Jul 6 2023 14:43:48 UTC
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Server version number: 8.5.91.0
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: OS Name: Windows 10
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: OS Version: 10.0
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Architecture: amd64
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Java Home: C:\Java
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: JVM Version: 1.8.0_401-b10
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: JVM Vendor: Oracle Corporation
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: CATALINA_BASE: D:\project\metadata\plugins\org.eclipse.wst.server.core\tmp0
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: CATALINA_HOME: C:\apache-tomcat-8.5.91
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dcatalina.base=D:\project\metadata\plugins\org.eclipse.wst.server.core\tmp0
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dcatalina.home=C:\apache-tomcat-8.5.91
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dwtp.deploy=D:\project\metadata\plugins\org.eclipse.wst.server.core\tmp0\wtpwebapps
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Djava.endorsed.dirs=C:\apache-tomcat-8.5.91\endorsed
Feb 25, 2024 2:30:58 PM org.apache.catalina.startup.VersionLoggerListener log
INFO: Command line argument: -Dfile.encoding=Cp1252
Feb 25, 2024 2:30:58 PM org.apache.catalina.core.AprLifecycleListener lifecycleEvent
INFO: The Apache Tomcat Native library which allows using OpenSSL was not found on the java.library.path: [C:\Java\bin;C:\WINDOWS\Sun\Java\bin;C:\WINDOWS\system32;C:\WINDOWS;C:\Java\bin]
Feb 25, 2024 2:30:58 PM org.apache.coyote.AbstractProtocol init
INFO: Initializing ProtocolHandler ["http-nio-9082"]
Feb 25, 2024 2:30:59 PM org.apache.coyote.AbstractProtocol init
INFO: Initializing ProtocolHandler ["ajp-nio-127.0.0.1-9009"]
Feb 25, 2024 2:30:59 PM org.apache.catalina.startup.Catalina load
```

This is error find when i can not added a mysql:jdbc:sql jar file in my project

Testing

testing is a program consists of providing the problem with a set of test inputs and observing if the programme behave as expected or not if the program fails to behave as expected that the condition.

There are 2 types of testing –

- Black Box Testing
- White Box Testing

Black Box Testing –

Black box testing is the software testing method which is used to test the software without knowing the internal structure of the program.

This type of testing is carrying out by testers.

Implementation knowledge is not required to carry out black box testing.

White Box Testing –

White box testing is the software testing method in which internal structure is being known to tested who is going to test the software. Generally these testing is carried out by software developers.

Implementation knowledge is required to carry out white box testing.

White box testing is made by developer so we have did White Box testing for our project.

Implementation

I have implemented many functionality in our project Online food managment. Like we have implemented Food orders management, User management, and many other things.

Our user side is normal and simple, user can view products and explorer web without logging only login required on made foods and view their food an drink.

Our admin site looks not as much attractive but it has took very much time and large amount of coding it has many functionalities like Food approve or deny. Manage product, add new cars, update cars Details, delete Food etc. Manage users, delete users, keep users etc.

Main thing is When There is Approved any food order then it will Not Display on Home Screen, and when it's order food gets Complete and Customer give back then admin marks it Approve as 'Returned' and then it food now Displays on the Home Screen.

So we try as possible to implement more functionality.

Limitation

In implementation part we discussed about what we add in our 'Food orders' project.

But in Limitation part we are going to discuss about limitations of our project.

I have created this project in short time. That's why I can't do all things, so my project is only 30% of my thought. I have thought many things to implement in it but some limits cause.

In current project the main limitation is designing and some bugs. I can't design my project as much professional and some bugs in design remain.

And the second big limitation is I did not add feature of multiple images and image update in database.

So these are the biggest limitations of our project.

Conclusion

The project 'Food Zone' is completed at University Requirement but in my Requirement it is not completed. I will complete it enhanced it in future and my plan is to execute this project in Real Life so you can see this project on web in future.

The main purpose of this project is now what I can do, what I can Create and how is my knowledge on website is and this ecommerce business. And I found out that I am very weak at this if I want to launch this website then it tooks teamwork and consistency. However it was very challenging learning and developing and Working with JSP (Java) technology.

References

- <https://zomato.com>
- <https://amzon.com>
- <https://swigy.com>