**WEB APPLICATION FOR RESTAURANT**

A Skill Oriented Course Web Application / Project report

Submitted in the partial fulfillment of the requirements for

the award of the degree of

Bachelor of Technology

in

Artificial Intelligence & DataScience

by

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**Department of Artificial Intelligence & DataScience**

**Lakireddy Bali Reddy College of Engineering (Autonomous)**

**Accredited by NAAC with A grade**

**Affiliated to JNTUK, Kakinada; ISO 9001:2015 Certified**

**2021-22**

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**Certificate**

This is to certify that the Skill Oriented Course Web Application / Project entitled “**web application for restaurants** ” is being submitted by G,Rama Krishna Reddy in partial fulfillment for the award of B. Tech in Computer science and Engineering to the Jawaharlal Nehru Technological University Kakinada is a record of bonafide work carried out by him/her under our guidance.

The results embodied in this Skill Oriented Course Web Application / Project report have not been submitted to any other University or Institute for the award of any degree or diploma.

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I am elated to avail my selves to this opportunity to express my deep sense of gratitude to my parents.

**WEB APPLICATION FOR RESTAURANT**

**Abstract**

This **WEB APPLICATION FOR RESTAURANT** provides different services for the customers who are waiting for make all their necessary needs in one website itself. The website provide different categories like food , grooming ,mobiles , electronics ,fashion etc. Discounts on products and reaching to every person who are able to afford such prices . There is a facility of delivering the respected item to their selected places. Dependability and customer service and uniqueness is our primary goal.

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**INTRODUCTION**

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* 1. **INSIGHTS:**

One of the most important things to remember during the process of website development is to create a clean, attracting design. A quality design is attractive and easy to read. Most importantly, a clean design helps viewers focus on the value of your brand and content instead of distracting graphics and large amounts of text. Hence, a clean design is vital to providing a positive user experience that encourages customers to return.

**1.2 OBSERVATIONS:**

While preparing this website I found that HTML,CSS and JAVASCRIPT plays a crucial role for frontend purpose and for backend JDBC(java database connectivity),SERVLETS and JSP technologies were used. For making a neat and clean website CSS is required to make that looks better. There is a possibility to add images, videos, links etc. to make the look better. By writing a HTML code is gives the idea for our website and CSS code gives the styling effects for the HTML code, which morphs the entire design to a good one.

In backend above three concepts are used for making the website in a complete manner.

1

**SOFTWARE AND HARDWARE REQUIREMENTS:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Technologies:**

**\_\_\_\_\_\_\_\_\_\_\_\_**

HTML and CSS Google Chrome, Fire Fox, Microsoft Edge

**SOFTWARE REQUIRENTS:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

→Windows: 7 or newer

→MAC: OS X v10.7 or higher

**Hardware Requirements:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

•Processor: Minimum 1 GHz; Recommended 2GHz or more

•Ethernet connection (LAN) OR a wireless adapter (Wi-Fi)

•Hard Drive: Minimum 32 GB; Recommended 64 GB or more

•Memory (RAM): Minimum 2 GB; Recommended 4 GB or above

2

**WORKING**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**JDBC (Java DataBase Connectivity):**

JDBC stands for Java Database Connectivity, which is a standard Java API (Application Programming Interface) for database-independent connectivity between the Java programming language and a wide range of databases (oracle/MYSQL/MS SQL/SyBase/IBM DB/ MS Access/ etc..).

JDBC Connectivity Steps:

-------------------------

There are 6 steps to connect any java application with the database using JDBC. These steps are as follows:

1) Importing JDBC package

2) Load/ Register the Driver class

3) Establish the Connection

4) Statement Prepartion

5) Process the Queries and get the Results

6) Close connection

JDBC steps:

------------

1) Import JDBC Package

----------------------

import java.sql.\*;

2) Load / Register Driver class

--------------------------------

->first we have to download the driver class related jar file

for oracle (ojdbc14.jar) - (oracle.jdbc.driver.OracleDriver)

-> we need to set the class path for that jar file

Driver class Registration Process:

----------------------------

oracle.jdbc.driver.OracleDriver od = new oracle.jdbc.driver.OracleDriver();

DriverManager.registerDriver(od); 3

(or)

Driver class Loading Process:

-----------------------------

Class.forName("class\_name\_as\_String"); used to load the static block of the specified class.

Class.forName("oracle.jdbc.driver.OracleDriver");

3) Establishing the connection

------------------------------

String url = "jdbc:oracle:thin:@ipaddress:portnumber:servicename";

"jdbc:oracle:thin:@localhost:1521:xe";

String uname = "database\_username";

String pwd = "database\_password";

Connection con = DriverManager.getConnection(url,uname,pwd);

4) Create statement

---------------------

1st Alternative:

----------------

Statement stmt = con.createStatement();

int id =30;

String name="seetha";

String addr="mym";

String qry="insert into student values("+id+",'"+name+"','"+addr+"')";

int s = stmt.executeUpdate(qry);

2nd Alternative

---------------

Student (sid(1),sname(2),saddr(3))

String qry="insert into student values(?,?,?)";

PreparedStatement pstmt= con.prepareStatement(qry);

pstmt.setInt(1,30);

pstmt.setString(3,"mym");

pstmt.setString(2,"seetha");

int s=pstmt.executeUpdate()

4

Here end user could not inject vulnerable code, eventhough he is trying injecting the vulnerable code it will consider as a value not as a sub query).

1) Statement (parent interface)

-------------

Statement stmt = con.createStatement();

2) PreparedStatement (child interface)

--------------------

PreparedStatement pstmt = con.prepareStatement(String qry);

3) CallableStatement: (subchild interface)

---------------------

CallableStatement interface is used to call the stored sub procedures and sub functions.

stored procedure: A stored procedure is a sub program which is used perform certain task or action. with in the stored procedure we can hold multiple queries at a time.

CallableStatement stmt=con.prepareCall("{call myprocedure(?,?,?)}");

syntax: (procedure creation syntax)

-------

create or replace procedure "EXAMPLE" (id IN NUMBER,name IN VARCHAR2,addr IN VARCHAR2)

as

begin

delete from student where sid=20;

update student set sname='krisha' where sid=60;

insert into student values(id,name,addr);

end;

/

**SERVLET:**

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Servlet technology is used to create web application (resides at server side and generates dynamic webpage).

**Servlet API**

• The javax.servlet and javax.servlet.http packages represent interfaces and classes for servlet API.

• The javax.servlet package contains many interfaces and classes that are used by the servlet or web container. These are not specific to any protocol.

• The javax.servlet.http package contains interfaces and classes that are responsible for http requests only.

**Life Cycle of a Servlet (Servlet Life Cycle)**

The web container maintains the life cycle of a servlet instance. Let's see the life cycle of the servlet:

1. Servlet class is loaded.

2. Servlet instance is created.

3. init method is invoked.

4. service method is invoked.

5. destroy method is invoked.

**1) Servlet class is loaded**

The classloader is responsible to load the servlet class. The servlet class is loaded when the first request for the servlet is received by the web container**.**

**2) Servlet instance is created**

The web container creates the instance of a servlet after loading the servlet class. The servlet instance is created only once in the servlet life cycle.

**3) init method is invoked**

The web container calls the init method only once after creating the servlet instance. The init method is used to initialize the servlet. It is the life cycle method of the javax.servlet.Servlet interface. Syntax of the init method is given below:

public void init(ServletConfig config) throws ServletException

**4) service method is invoked**

The web container calls the service method each time when requestfor the servlet is received. If servlet is not initialized, it follows the first three steps as described above then calls the service method. If servlet is initialized, it calls the service method. Notice that servlet is initialized only once. The syntax of the service method of the Servlet interface is given below:

public void service(ServletRequest request, ServletResponse response) throws ServletException, IOException 6

**5) destroy method is invoked**

The web container calls the destroy method before removing the servlet instance from the service. It gives the servlet an opportunity to clean up any resource for example memory, thread etc. The syntax of the destroy method of the Servlet interface is given below:

public void destroy()

**Steps to create a servlet example**

There are given 6 steps to create a servlet example. These steps are required for all the servers.

The servlet example can be created by three ways:

1. By implementing Servlet interface,

2. By inheriting GenericServlet class, (or)

3. By inheriting HttpServlet class

Here, we are going to use apache tomcat server in this example. The steps are as follows:

1. Create a directory structure

2. Create a Servlet

3. Compile the Servlet

4. Create a deployment descriptor

5. Start the server and deploy the project

6. Access the servlet

**1)Create a directory structures**

The directory structure defines that where to put the different types of files so that web container may get the information and respond to the client.

The Sun Microsystem defines a unique standard to be followed by all the server vendors. Let's see the directory structure that must be followed to create the servlet.

**2) Create a Servlet**

There are three ways to create the servlet.

1. By implementing the Servlet interface

2. By inheriting the GenericServlet class

3. By inheriting the HttpServlet class

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**3) Compile the servlet**

For compiling the Servlet, jar file is required to be loaded. Different Servers provide different jar files:

|  |  |
| --- | --- |
| **Jar file** | **Server** |
| servlet-api.jar | Apache Tomcat |
| weblogic.jar | Weblogic |
| javaee.jar | Glassfish |
| javaee.jar | JBoss |

**Two ways to load the jar file**

1. set classpath

2. paste the jar file in JRE/lib/ext folder

Put the java file in any folder. After compiling the java file, paste the class file of servlet in WEB-

INF/classes directory.

**4) Create the deployment descriptor (web.xml file)**

The deployment descriptor is an xml file, from which Web Container gets the information about the servlet to be invoked.The web container uses the Parser to get the information from the web.xml file. There are many xml parsers such as SAX, DOM and Pull.There are many elements in the web.xml file. Here is given some necessary elements to run the simple servlet program.

Description of the elements of web.xml file

There are too many elements in the web.xml file. Here is the illustration of some elements that is used in the above web.xml file. The elements are as follows:

<web-app> represents the whole application.

<servlet> is sub element of <web-app> and represents the servlet.

<servlet-name> is sub element of <servlet> represents the name of the servlet.

<servlet-class> is sub element of <servlet> represents the class of the servlet.

<servlet-mapping> is sub element of <web-app>. It is used to map the servlet.

<url-pattern> is sub element of <servlet-mapping>. This pattern is used at client side to invoke the servlet.

**5) Start the Server and deploy the project**

To start Apache Tomcat server, double click on the startup.bat file under apache-tomcat/bin directory.

**JSP**

**JSP Basics 8**

JSP technology is used to create web application just like Servlet technology. It can be thought of as an extension to servlet because it provides more functionality than servlet such as expression language, jstl etc. A JSP page consists of HTML tags and JSP tags. The jsp pages are easier to maintain than servlet because we can separate designing and development. It provides some additional features such as Expression Language, Custom Tag etc.

Advantage of JSP over Servlet

There are many advantages of JSP over servlet. They are as follows:

**1) Extension to Servlet**

JSP technology is the extension to servlet technology. We can use all the features of servlet in JSP. In addition to, we can use implicit objects, predefined tags, expression language and Custom tags in JSP that makes JSP development easy.

**2) Easy to maintain**

JSP can be easily managed because we can easily separate our business logic with presentation logic. In servlet technology, we mix our business logic with the presentation logic.

**3) Fast Development:**

No need to recompile and redeploy

If JSP page is modified, we don't need to recompile and redeploy the project. The servlet code needs to be updated and recompiled if we have to change the look and feel of the application.

**4) Less code than Servlet**

In JSP, we can use a lot of tags such as action tags, jstl, custom tags etc. that reduces the code. Moreover, we can use EL, implicit objects etc.

Life cycle of a JSP Page

The JSP pages follows these phases:

o Translation of JSP Page

o Compilation of JSP Page

o Classloading (class file is loaded by the classloader)

o Instantiation (Object of the Generated Servlet is created).

o Initialization ( jspInit() method is invoked by the container).

o Reqeust processing ( \_jspService() method is invoked by the container).

o Destroy ( jspDestroy() method is invoked by the container).

**Creating a simple JSP Page 9**

To create the first jsp page, write some html code as given below, and save it by .jsp extension. We have save this file as index.jsp. Put it in a folder and paste the folder in the web-apps directory in apache tomcat to run the jsp page.

**index.jsp**

Let's see the simple example of JSP, here we are using the scriptlet tag to put java code in the JSP page.

We will learn scriptlet tag later.

<html>

<body>

<% out.print(“welcome to JSP”); %>

</body>

</html>

It will print welcome to JSP on the browser.

How to run a simple JSP Page?

Follow the following steps to execute this JSP page:

o Start the server

o put the jsp file in a folder and deploy on the server

o visit the browser by the url http://localhost:8080/folder/programname.jsp

**JSP Scripting elements**

The scripting elements provides the ability to insert java code inside the jsp. There are three types of scripting elements:

o scriptlet tag

o expression tag

o declaration tag

**JSP scriptlet tag**

A scriptlet tag is used to execute java source code in JSP. Syntax is as follows:

<% java source code %>

**JSP expression tag**

The code placed within JSP expression tag is written to the output stream of the response. So you need not write out.print() to write data. It is mainly used to print the values of variable or method.

**Syntax of JSP expression tag**

<%= statement %>

In expression tag statement should not end with semicolon. 10

**JSP Declaration Tag**

The JSP declaration tag is used to declare fields and methods.

The code written inside the jsp declaration tag is placed outside the service() method of auto generated servlet.

So it doesn't get memory at each request.

**Syntax of JSP declaration tag**

The syntax of the declaration tag is as follows:

<%! field or method declaration %>

**JSP Implicit Objects**

There are 9 jsp implicit objects. These objects are created by the web container that are available to all the jsp pages.

The available implicit objects are out, request, config, session, application etc.

**1)JSP out implicit object**

For writing any data to the buffer, JSP provides an implicit object named out. It is the object of JspWriter.

In case of servlet you need to write:

PrintWriter out=response.getWriter();

But in JSP, you don't need to write this code.

**2) JSP request implicit object**

The JSP request is an implicit object of type HttpServletRequest i.e. created for each jsp request by the web container. It can be used to get request information such as parameter, header information, remote address, server name, server port, content type, character encoding etc. It can also be used to set, get and remove attributes from the jsp request scope.

**3) JSP response implicit object**

In JSP, response is an implicit object of type HttpServletResponse. The instance of HttpServletResponse is created by the web container for each jsp request. It can be used to add or manipulate response such as redirect response to another resource, send error etc.

**4) JSP config implicit object**

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In JSP, config is an implicit object of type ServletConfig. This object can be used to get initialization parameter for a particular JSP page. The config object is created by the web container for each jsp page.

Generally, it is used to get initialization parameter from the web.xml file.

**5) JSP application implicit object**

In JSP, application is an implicit object of type ServletContext. The instance of ServletContext is created only once by the web container when application or project is deployed on the server. This object can be used to get initialization parameter from configuaration file (web.xml). It can also be used to get, set or remove attribute from the application scope. This initialization parameter can be used by all jsp pages.

**6) session implicit object**

In JSP, session is an implicit object of type HttpSession.The Java developer can use this object to set,get or remove attribute or to get session information.

**7) pageContext implicit object**

In JSP, pageContext is an implicit object of type PageContext class.The pageContext object can be used to set,get or remove attribute from one of the following scopes:

o page

o request

o session

o application

In JSP, page scope is the default scope.

**8) page implicit object:**

In JSP, page is an implicit object of type Object class.This object is assigned to the reference of auto generated servlet class. It is written as:

Object page=this;

For using this object it must be cast to Servlet type.

**9) exception implicit object**

In JSP, exception is an implicit object of type java.lang.Throwable class. This object can be used to print the exception. But it can only be used in error pages.It is better to learn it after page directive.

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**3. SYSTEM DESIGN**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**3.1 DATABASE DESIGN**

**Query:**

**\_\_\_\_\_\_\_\_\_\_\_**

**FOR CREATING TABLE**

create table Delivery(Name varchar(20),Email varchar(20),Address varchar(20),mobilenumber varchar(20),Pin varchar(20),City varchar(20),Village varchar(20),

Item1 varchar(20),Item2 varchar(20),Price1 varchar(20),Price2 varchar(20));

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name | Email | Address | mobile | Pin | City | Village | Item1 | Item2 | Price1 |
|  |  |  |  |  |  |  |  |  |  |
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**FOR RETRIEVING TABLE**

select \*from Delivery;

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**4.IMPLEMENTATION**

**4.1 front end code**

**Main Page:**

**---------------**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

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

**<meta http-equiv="X-UA-Compatible" content="IE=edge">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>Complete Responsive Food Website Design Tutorial</title>**

**<link rel="stylesheet" href="https://unpkg.com/swiper/swiper-bundle.min.css" />**

**<!-- font awesome cdn link -->**

**<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.15.3/css/all.min.css">**

**<!-- custom css file link -->**

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

**</head>**

**<body>**

**<!-- header section starts -->**

**<header>**

**<a href="#" class="logo"><i class="fas fa-utensils"></i>resto.</a>**

**<nav class="navbar">**

**<a class="active" href="#home">home</a>**

**<a href="#dishes">dishes</a>**

**<a href="#about">about</a>**

**<a href="#menu">menu</a>**

**<a href="#review">review</a>**

**<a href="#order">order</a>**

**</nav>**

**<div class="icons">**

**<i class="fas fa-bars" id="menu-bars"></i>**

**<i class="fas fa-search" id="search-icon"></i>**

**<a href="#" class="fas fa-heart"></a>**

**<a href="#" class="fas fa-shopping-cart"></a>**

**<a href="login.html"><i class="fas fa-solid fa-user"></i></a>**

**</div>**

**</header>**

**<!-- header section ends-->**

**<!-- search form -->**

**<form action="" id="search-form">**

**<input type="search" placeholder="search here..." name="" id="search-box">**

**<label for="search-box" class="fas fa-search"></label>**

**<i class="fas fa-times" id="close"></i>**

**</form>**

**<!-- home section starts -->**

**<section class="home" id="home">**

**<div class="swiper-container home-slider">**

**<div class="swiper-wrapper wrapper">**

**<div class="swiper-slide slide">**

**<div class="content">**

**<span>our special dish</span>**

**<h3>spicy noodles</h3>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit natus dolor cumque?</p>**

**<a href="#" class="btn">order now</a>**

**</div>**

**<div class="image">**

**<img src="images/home-img-1.png" alt="">**

**</div>**

**</div>**

**<div class="swiper-slide slide">**

**<div class="content">**

**<span>our special dish</span>**

**<h3>fried chicken</h3>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit natus dolor cumque?</p>**

**<a href="#" class="btn">order now</a>**

**</div>**

**<div class="image">**

**<img src="images/home-img-2.png" alt="">**

**</div>**

**</div>**

**<div class="swiper-slide slide">**

**<div class="content">**

**<span>our special dish</span>**

**<h3>hot pizza</h3>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit natus dolor cumque?</p>**

**<a href="#" class="btn">order now</a>**

**</div>**

**<div class="image">**

**<img src="images/home-img-3.png" alt="">**

**</div>**

**</div>**

**</div>**

**<div class="swiper-pagination"></div>**

**</div>**

**</section>**

**<!-- home section ends -->**

**<!-- dishes section starts -->**

**<section class="dishes" id="dishes">**

**<h3 class="sub-heading"> our dishes </h3>**

**<h1 class="heading"> popular dishes </h1>**

**<div class="box-container">**

**<div class="box">**

**<a href="#" class="fas fa-heart"></a>**

**<a href="#" class="fas fa-eye"></a>**

**<img src="images/dish-1.png" alt="">**

**<h3>tasty food</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<span>Rs.15.99</span>**

**<a href="#" class="btn">add to cart</a>**

**</div>**

**<div class="box">**

**<a href="#" class="fas fa-heart"></a>**

**<a href="#" class="fas fa-eye"></a>**

**<img src="images/dish-2.png" alt="">**

**<h3>tasty food</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<span>Rs.15.99</span>**

**<a href="#" class="btn">add to cart</a>**

**</div>**

**<div class="box">**

**<a href="#" class="fas fa-heart"></a>**

**<a href="#" class="fas fa-eye"></a>**

**<img src="images/dish-3.png" alt="">**

**<h3>tasty food</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<span>Rs.15.99</span>**

**<a href="#" class="btn">add to cart</a>**

**</div>**

**<div class="box">**

**<a href="#" class="fas fa-heart"></a>**

**<a href="#" class="fas fa-eye"></a>**

**<img src="images/dish-4.png" alt="">**

**<h3>tasty food</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<span>Rs.15.99</span>**

**<a href="#" class="btn">add to cart</a>**

**</div>**

**<div class="box">**

**<a href="#" class="fas fa-heart"></a>**

**<a href="#" class="fas fa-eye"></a>**

**<img src="images/dish-5.png" alt="">**

**<h3>tasty food</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<span>Rs.15.99</span>**

**<a href="#" class="btn">add to cart</a>**

**</div>**

**<div class="box">**

**<a href="#" class="fas fa-heart"></a>**

**<a href="#" class="fas fa-eye"></a>**

**<img src="images/dish-6.png" alt="">**

**<h3>tasty food</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<span>Rs.15.99</span>**

**<a href="#" class="btn">add to cart</a>**

**</div>**

**</div>**

**</section>**

**<!-- dishes section ends -->**

**<!-- about section starts -->**

**<section class="about" id="about">**

**<h3 class="sub-heading"> about us </h3>**

**<h1 class="heading"> why choose us? </h1>**

**<div class="row">**

**<div class="image">**

**<img src="images/about-img.png" alt="">**

**</div>**

**<div class="content">**

**<h3>best food in the country</h3>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Dolore, sequi corrupti corporis quaerat voluptatem ipsam neque labore modi autem, saepe numquam quod reprehenderit rem? Tempora aut soluta odio corporis nihil!</p>**

**<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Aperiam, nemo. Sit porro illo eos cumque deleniti iste alias, eum natus.</p>**

**<div class="icons-container">**

**<div class="icons">**

**<i class="fas fa-shipping-fast"></i>**

**<span>free delivery</span>**

**</div>**

**<div class="icons">**

**<i class="fas fa-dollar-sign"></i>**

**<span>easy payments</span>**

**</div>**

**<div class="icons">**

**<i class="fas fa-headset"></i>**

**<span>24/7 service</span>**

**</div>**

**</div>**

**<a href="#" class="btn">learn more</a>**

**</div>**

**</div>**

**</section>**

**<!-- about section ends -->**

**<!-- menu section starts -->**

**<section class="menu" id="menu">**

**<h3 class="sub-heading"> our menu </h3>**

**<h1 class="heading"> today's speciality </h1>**

**<div class="box-container">**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-1.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-2.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-3.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-4.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-5.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-6.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-7.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-8.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**<div class="box">**

**<div class="image">**

**<img src="images/menu-9.jpg" alt="">**

**<a href="#" class="fas fa-heart"></a>**

**</div>**

**<div class="content">**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**<h3>delicious food</h3>**

**<p>Lorem ipsum dolor sit, amet consectetur adipisicing elit. Excepturi, accusantium.</p>**

**<a href="#" class="btn">add to cart</a>**

**<span class="price">Rs.12.99</span>**

**</div>**

**</div>**

**</div>**

**</section>**

**<!-- menu section ends -->**

**<!-- review section starts -->**

**<section class="review" id="review">**

**<h3 class="sub-heading"> customer's review </h3>**

**<h1 class="heading"> what they say </h1>**

**<div class="swiper-container review-slider">**

**<div class="swiper-wrapper">**

**<div class="swiper-slide slide">**

**<i class="fas fa-quote-right"></i>**

**<div class="user">**

**<img src="images/pic-1.png" alt="">**

**<div class="user-info">**

**<h3>john deo</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**</div>**

**</div>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit fugiat consequuntur repellendus aperiam deserunt nihil, corporis fugit voluptatibus voluptate totam neque illo placeat eius quis laborum aspernatur quibusdam. Ipsum, magni.</p>**

**</div>**

**<div class="swiper-slide slide">**

**<i class="fas fa-quote-right"></i>**

**<div class="user">**

**<img src="images/pic-2.png" alt="">**

**<div class="user-info">**

**<h3>john deo</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**</div>**

**</div>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit fugiat consequuntur repellendus aperiam deserunt nihil, corporis fugit voluptatibus voluptate totam neque illo placeat eius quis laborum aspernatur quibusdam. Ipsum, magni.</p>**

**</div>**

**<div class="swiper-slide slide">**

**<i class="fas fa-quote-right"></i>**

**<div class="user">**

**<img src="images/pic-3.png" alt="">**

**<div class="user-info">**

**<h3>john deo</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**</div>**

**</div>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit fugiat consequuntur repellendus aperiam deserunt nihil, corporis fugit voluptatibus voluptate totam neque illo placeat eius quis laborum aspernatur quibusdam. Ipsum, magni.</p>**

**</div>**

**<div class="swiper-slide slide">**

**<i class="fas fa-quote-right"></i>**

**<div class="user">**

**<img src="images/pic-4.png" alt="">**

**<div class="user-info">**

**<h3>john deo</h3>**

**<div class="stars">**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star"></i>**

**<i class="fas fa-star-half-alt"></i>**

**</div>**

**</div>**

**</div>**

**<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sit fugiat consequuntur repellendus aperiam deserunt nihil, corporis fugit voluptatibus voluptate totam neque illo placeat eius quis laborum aspernatur quibusdam. Ipsum, magni.</p>**

**</div>**

**</div>**

**</div>**

**</section>**

**<!-- review section ends -->**

**<!-- order section starts -->**

**<section class="order" id="order">**

**<h3 class="sub-heading"> order now </h3>**

**<h1 class="heading"> free and fast </h1>**

**<form action="order.jsp">**

**<div class="inputBox">**

**<div class="input">**

**<span>your name</span>**

**<input type="text" placeholder="enter your name" name="name">**

**</div>**

**<div class="input">**

**<span>your number</span>**

**<input type="number" placeholder="enter your number" name="phone">**

**</div>**

**</div>**

**<div class="inputBox">**

**<div class="input">**

**<span>your order</span>**

**<input type="text" placeholder="enter food name" name="order">**

**</div>**

**<div class="input">**

**<span>additional food</span>**

**<input type="test" placeholder="extra with food" name="additional">**

**</div>**

**</div>**

**<div class="inputBox">**

**<div class="input">**

**<span>how much</span>**

**<input type="number" placeholder="how many orders" name="quantity">**

**</div>**

**<div class="input">**

**<span>date and time</span>**

**<input type="datetime-local" name="date">**

**</div>**

**</div>**

**<div class="inputBox">**

**<div class="input">**

**<span>your address</span>**

**<textarea name="" placeholder="enter your address" id="" cols="30" rows="10" name="address"></textarea>**

**</div>**

**<div class="input">**

**<span>your message</span>**

**<textarea name="" placeholder="enter your message" id="" cols="30" rows="10" name="message"></textarea>**

**</div>**

**</div>**

**<input type="submit" value="order now" class="btn">**

**</form>**

**</section>**

**<!-- order section ends -->**

**<!-- footer section starts -->**

**<section class="footer">**

**<div class="box-container">**

**<div class="box">**

**<h3>locations</h3>**

**<a href="#">india</a>**

**<a href="#">japan</a>**

**<a href="#">russia</a>**

**<a href="#">USA</a>**

**<a href="#">france</a>**

**</div>**

**<div class="box">**

**<h3>quick links</h3>**

**<a href="#">home</a>**

**<a href="#">dishes</a>**

**<a href="#">about</a>**

**<a href="#">menu</a>**

**<a href="#">reivew</a>**

**<a href="#">order</a>**

**</div>**

**<div class="box">**

**<h3>contact info</h3>**

**<a href="#">+123-456-7890</a>**

**<a href="#">+111-222-3333</a>**

**<a href="#">shaikhanas@gmail.com</a>**

**<a href="#">anasbhai@gmail.com</a>**

**<a href="#">mumbai, india - 400104</a>**

**</div>**

**<div class="box">**

**<h3>follow us</h3>**

**<a href="#">facebook</a>**

**<a href="#">twitter</a>**

**<a href="#">instagram</a>**

**<a href="#">linkedin</a>**

**</div>**

**</div>**

**<div class="credit"> copyright @ 2021 by <span>MR.GUNTAKA RAMA KRISHNA REDDY</span> </div>**

**</section>**

**<!-- footer section ends -->**

**<script src="https://unpkg.com/swiper/swiper-bundle.min.js"></script>**

**<!-- custom js file link -->**

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

**</body>**

**</html>**

**Districts.html:**

**4.2 Backend code:**

**register.jsp:**

**<%@ page import="java.sql.\*" %>**

**<%**

**String eid=request.getParameter("User");**

**if(eid.equals("admin")){**

**response.sendRedirect("admin.jsp");**

**}**

**else{**

**try**

**{**

**Connection con= null;**

**Class.forName("oracle.jdbc.driver.OracleDriver");**

**con = DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:orcl","scott","surya123");**

**String qry ="select username from kreg where username=?";**

**PreparedStatement pstmt = con.prepareStatement(qry);**

**pstmt.setString(1,eid);**

**ResultSet rs= pstmt.executeQuery();**

**while(rs.next())**

**{**

**if(eid.equals(rs.getString(1))){**

**response.sendRedirect("index.html");**

**}**

**}**

**}**

**catch(Exception e)**

**{**

**out.print(e);**

**e.printStackTrace();**

**}**

**}**

**%>**

**login.jsp:**

<%@ page import="java.sql.\*"%>

<%

String email=request.getParameter("email");

String password=request.getParameter("password");

try{

Connection con=null;

Class.forName("oracle.jdbc.driver.OracleDriver");

con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1522:xe","system","surya");

PreparedStatement ps=con.prepareStatement("select \* from hacker where email=? and password=?");

ps.setString(1,email);

ps.setString(2,password);

out.println("connection sucess");

ResultSet x=ps.executeQuery();

if(email.equals("ram123@gmail.com") && password.equals("ram123"))

{

response.sendRedirect("admin.jsp");

}

else if(x.next()){

out.print("login Sucessfully Completed....");

response.sendRedirect("index.html");

}else{

%>

<script>

alert("Invalid details");

location.replace("logi.html");

</script>

<%

}

}catch(Exception e){

out.print(e);

}

%>

**Admin.jsp:**

**<html>**

**<body style="background:url('https://i.pinimg.com/originals/fa/33/2c/fa332c06f406adf9f4b59a3c82289958.jpg');">**

**<h1 align='center' style="font-size:50px;color:orange;text-decoration:tahoma;">WelCome to Admin Page</h1><br><br><br><br><br>**

**<center>**

**<a href="fetch.jsp"><input type="button" name="but" value="User Details" bgcolor="red" style="font:serif;font-size:30px;color:red;text-decoration:none;"></a><br><br><br>**

**<a href="redeemf.jsp"><input type="button" name="but" value="Rewarded Details" bgcolor="blue" style="font:serif;font-size:30px;color:blue;text-decoration:none;"></a><br>**

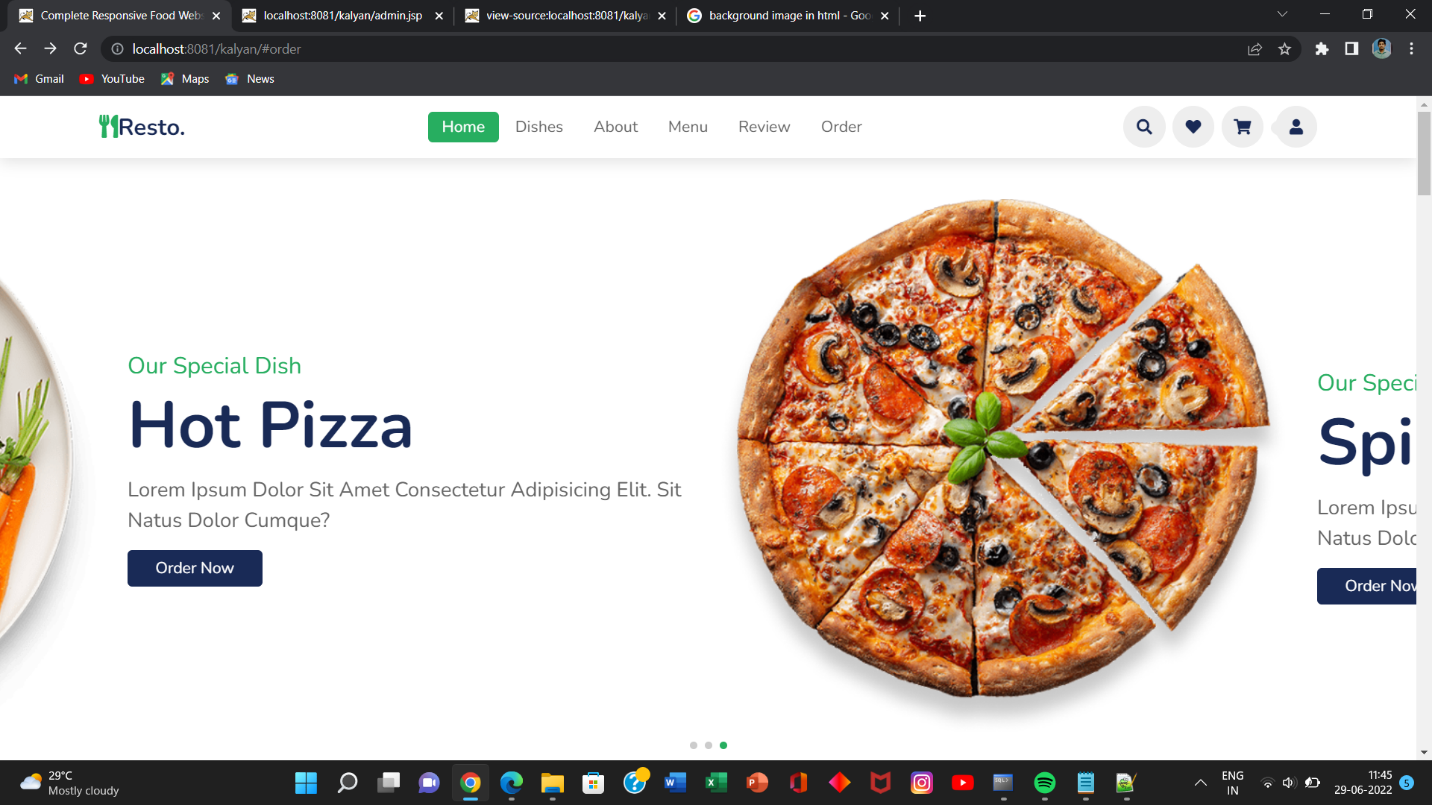
**</center>**

**<br>**

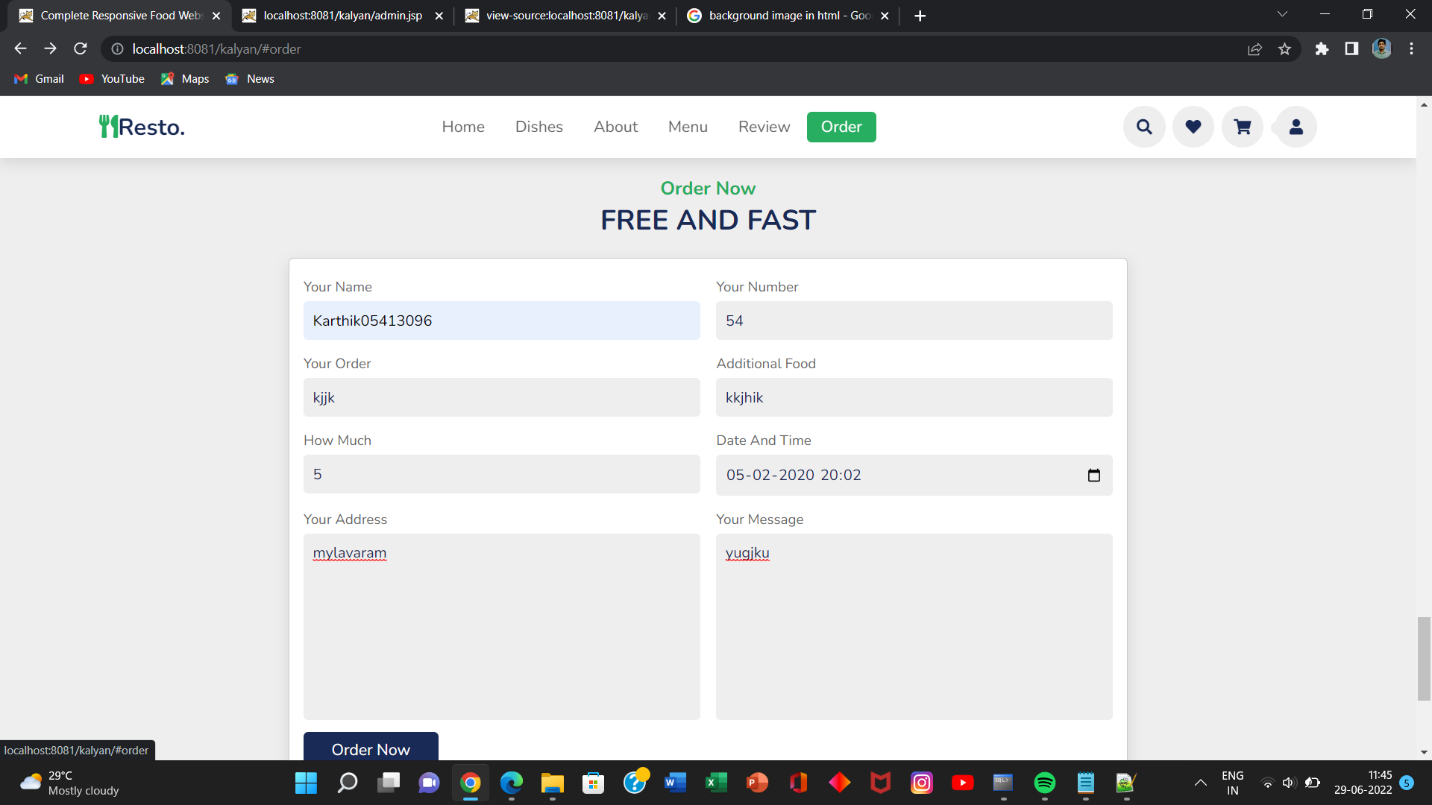
**</body>**

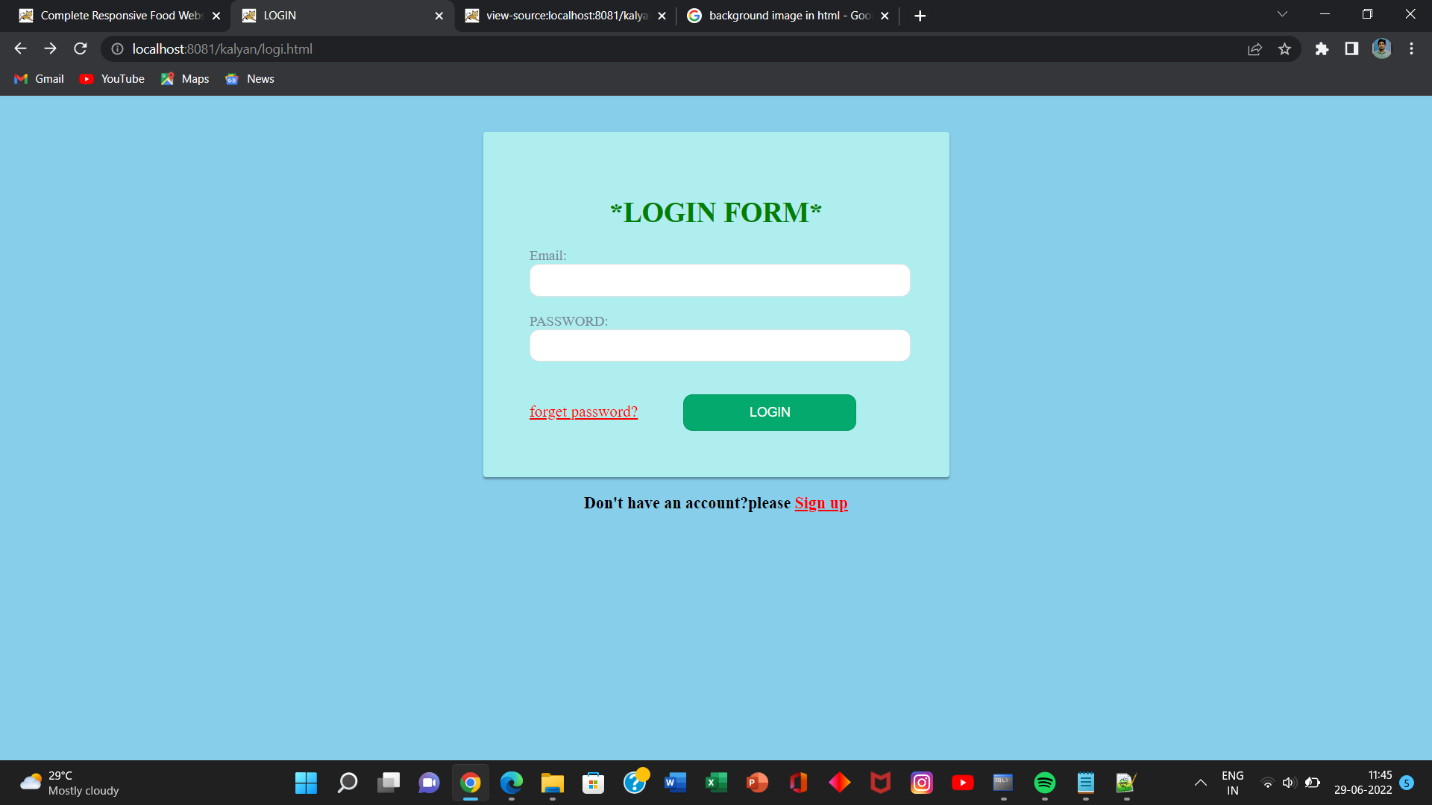
**</html>**

**5.screenshots:**

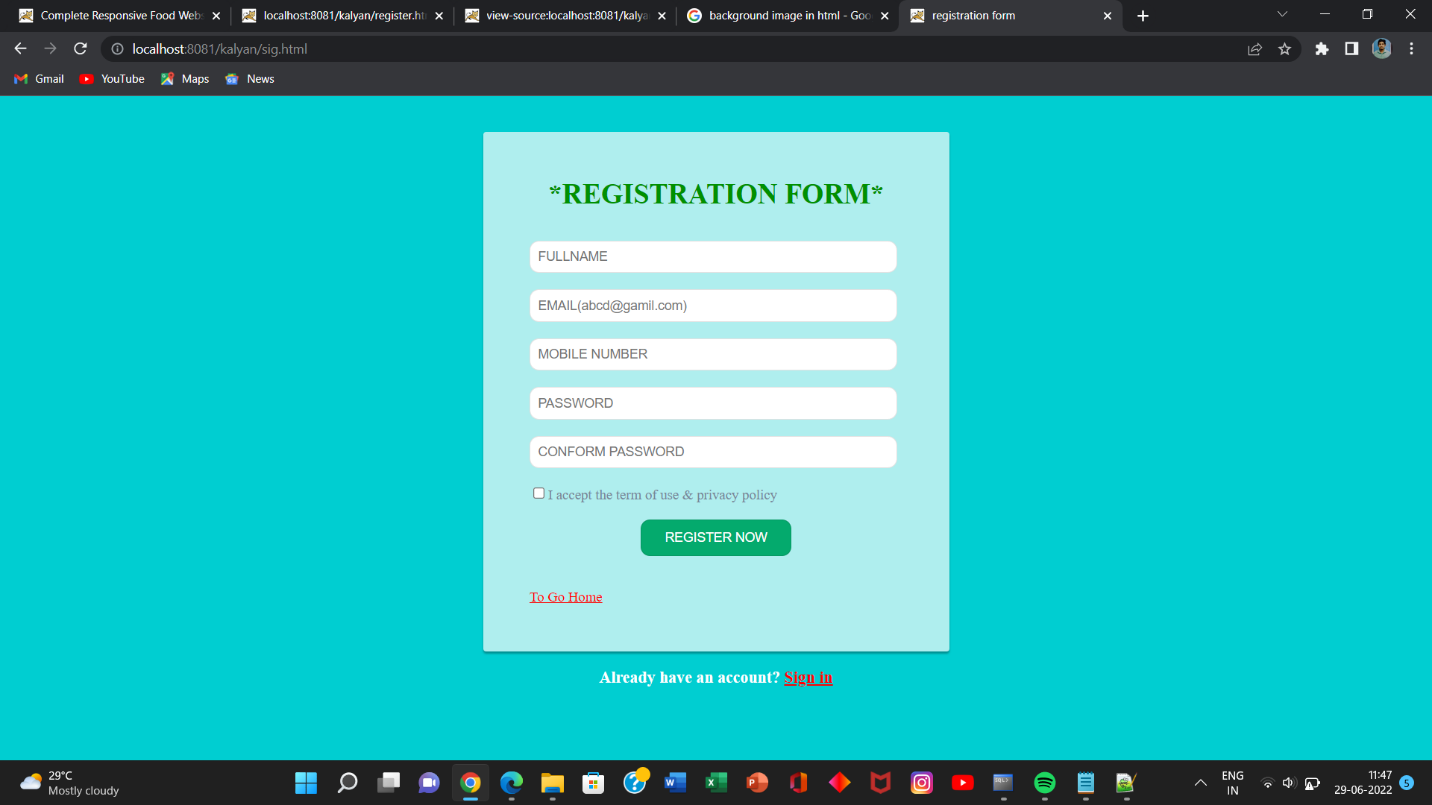
****

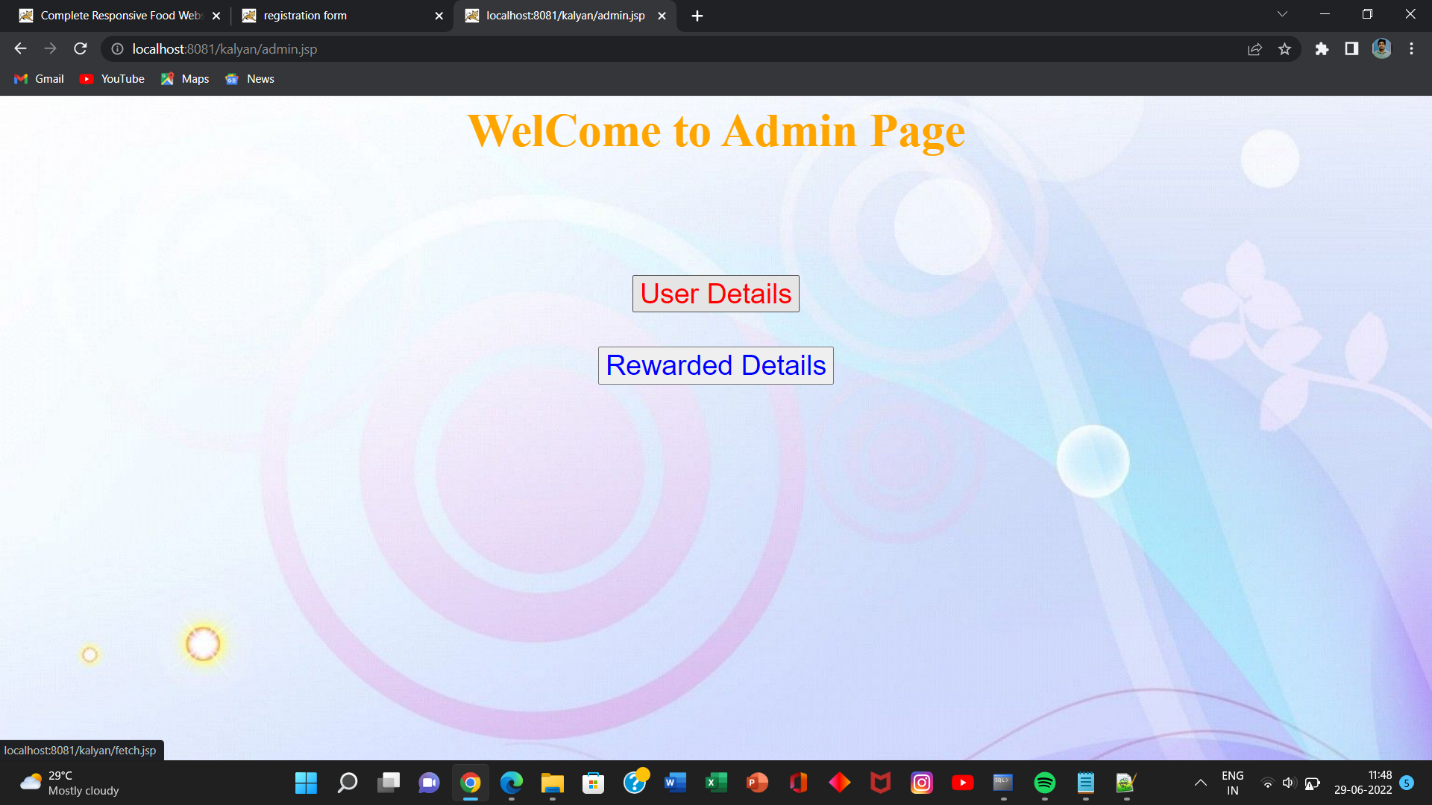
**1**

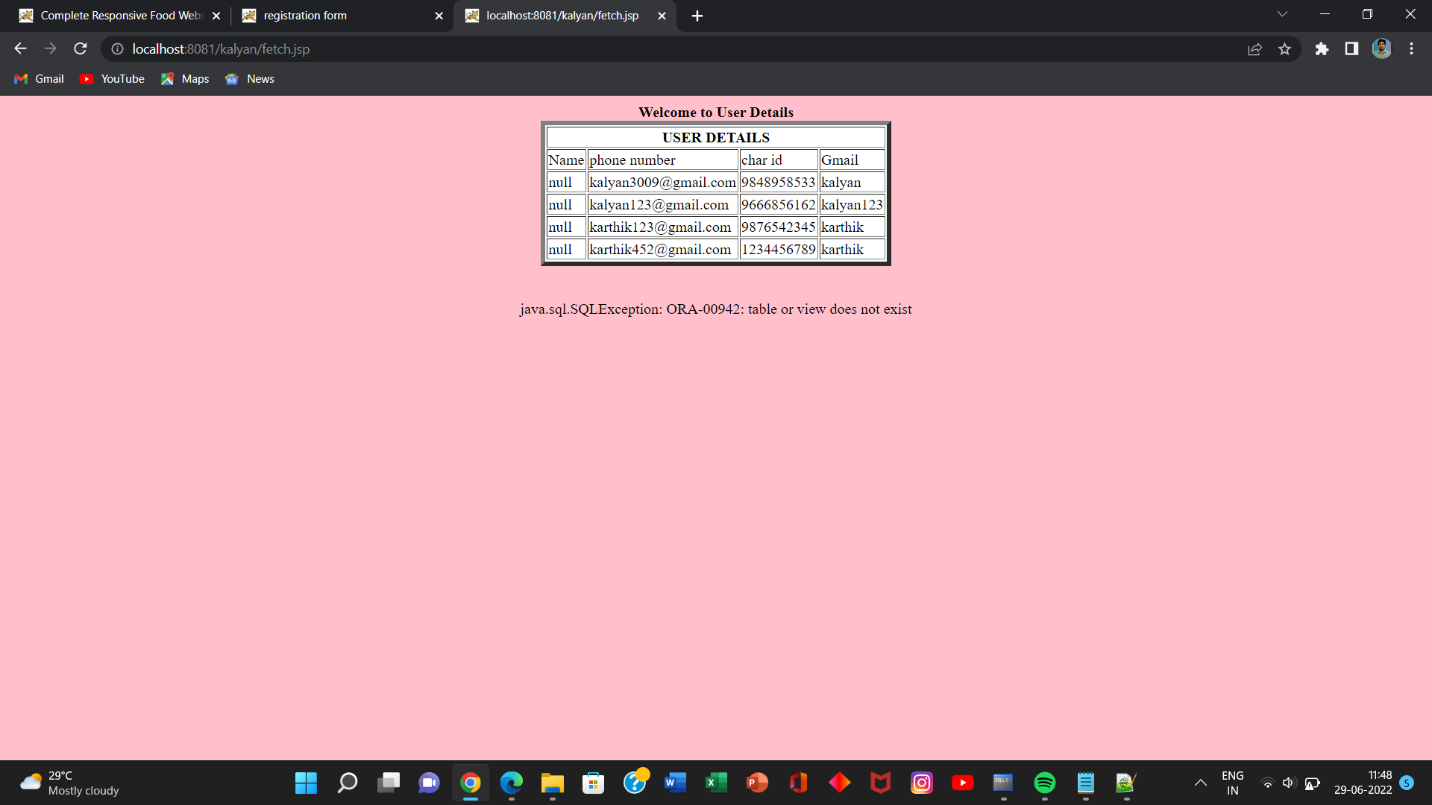




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****

****

****

**7 . CONCLUSION:**

----------------------------------------------------------------

From this I conclude that this website makes helpful to many people who are interested to choose shopping. While preparing this website there is not much difficulty faced. While doing validation through the JavaScript there is some difficulty for validation. While adding CSS to the entire html pages it takes lots of time and there is some wastage of time. While connecting the database and server is little bit time taking and performing these jdbc and servlets concepts to design the project gives a knowledge to implement these types of projects in future also.

**8 . REFERENCES:**

--------------------------------------------------------

* <https://nsr-materials.blogspot.com/2017/02/web-technologies-material_30.html>
* <https://wpdatatables.com/css-image-hover-effects/#:~:text=Image%20hover%20effects%20create%20an%20opportunity%20to%20add,run%20smoothly%20no%20matter%20how%20many%20you%20add>.
* <https://www.w3schools.com/html/default.asp>
* <https://www.w3schools.com/css/default.asp>
* IMAGES(GOOGLE)

\*\*\*THE END\*\*\*

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