A Project Report

on

ONLINE FOOD ORDERING & DONATING SYSTEM

TECHNICAL SKILLING

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DECLARATION

The Project Report entitled "ONLINE FOOD ORDERING & DONATING SYSTEM" is a record of bonafide work of Gande Saiteja (2010030055), Gilla Samanth (2010030272), Md. Adnan (2010030236) and Mohammad Fauzaan Pasha (2010030452) submitted in partial fulfillment for the award of B. Tech in the Department of Computer Science and Engineeringto the K L University, Hyderabad.

The results embodied in this report have not been copied from any other Departments/University/Institute.

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CERTIFICATE

This is to certify that the Project Report entitled "ONLINE FOOD ORDERING & DONATING SYSTEM" is being submitted by GANDE SAITEJA bearing Regd. No. 2010030055, GILLA SAMANTH bearing Regd. No. 20100300272, MD. ADNAN bearing Regd. No. 2010030236 and MD. FAUZAAN PASHA bearing Regd. No. 2010030452 submitted in partial fulfillment for the award of B.Tech in Computer Science and Engineeringto the K L University, Hyderabad is a record of bonafide work carried out underour guidance and supervision.

The results embodied in this report have not been copied from any other department/ University/ Institute.

Signature of the Supervisor

Mr. Chanda Raj Kumar

(Assistant Professor)

Signature of the HOD

Signature of the External Examination

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First and foremost, we thank the lord almighty for all his grace & mercy showered upon us, for completing this project successfully.

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ABSTRACT

Nowadays there are so many people who are surviving on only one meal per day. Especially in developing countries, it is one of the major problems. On the other hand, there is so much wastage of food every day. The solution to this is that we only need to donate the leftover food to needy people. For that to happen, we need some sort of platform. This could be any online platform like a website/web application. The online food ordering system sets up a food menu online and customers can easily place the order and they can even donate their orders or food depending on the customer's choice. It enables us to donate excess food through this website.

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1. Introduction

Our project is about online food ordering & Donating systems. It overcomes the disadvantages of the traditional queueing system. It is a medium to order online food hassle-free from restaurants as well as mess service and donate food from home. Our mission is to end hunger and no waste of food to make a hungry-free world. According to the latest survey, 1.3 billion tons of food are thrown as waste every year. Additionally, one-third of the food consumed is stated as leftovers. The focus of this project is to reduce the amount of food wasted and being used by needy people. The online food ordering system sets up a food menu online and customers can easily place the order as per they like. Also with a food menu, online customers can easily track the orders. The management maintains customers database, and improve food delivery service. The Restaurant management systems motivates us to develop the system. There are various facilities provided so that the users of the system will get service effectively. Also, the system considers Restaurants as well as Mess facility to the customers.

2. Problem Statement

The online food ordering system sets up a food menu online and customers can easily place the order as per they like. Also, the online customers can easily track their orders. management maintains customer's database, and improve food delivery service. This system also provides a feedback system in which user can rate the food items. Also, the proposed system can recommend hotels, food, based on the ratings given by the user, the hotel staff will be informed for the improvements along with the quality. The payment can be made online or cash or pay-on-delivery system. For more secured ordering separate accounts are maintained for each user by providing them an ID and a password. The online food ordering system sets up a food menu online and customers can easily place the order as per they like. Also with a food menu, online customers can easily track the orders.

3. Literature Survey

Title	Authors	Published Date	Country	Type of Source	SummaryPoints
"A Proposed System for Touchpad Based Food Ordering System Using Android Application	Kirti Bhande ,Tejas Shinde,Dheeraj Ingale ,Neeraj Solanki , Reshma Totare	2015	India	Journal of Advanced Reasearch	In an automated food ordering system is proposed will keep track of user orders smartly. Basically, they implemented a food ordering system for diff erent type of restaurants in which user will make order or make custom food by one click only. By means of android application for Tablet PCs this system was implemented. The front end was developed using JAVA, Android and at the backend MySQL database was used.
"Implementing Customizable Online Food Ordering System Using Web Based Application	Varsha Chavan, Priya Jadhav,Snehal Korade,Priyanka Teli	2015	India	Journal of Advanced Reasearch	In Customer using a Smartphone is considered as a basic assumption for the system. When the customer approach to the restaurant, the saved order can be confirmed by touching the Smartphone. The list of selected preordered items shall be shown on the kitchen screen, and when confirmed, order slip shall be printed for further order processing. The solution provides easy and convenient way to select pre-order transaction form customers.

Title	Authors	Published Date	Country	Type of Source	SummaryPoints
"The Application of Wireless Food Ordering System	Khairunnisa K., Ayob J., Mohd. Helmy A. Wahab, M. Erdi Ayob, M. Izwan Ayob, M. Afif Ayob,	2019	India	Journal of Advanced Reasearch	In research work aims to design and develop a wireless food ordering system in the restaurant. Technical operations of Wireless Ordering System (WOS) including systems architecture, function, limitations and recommendations were presented in this system. It was believed that with the increasing use of handheld device such as PDAs in restaurants, pervasive application will become an important tool for restaurants to improve the management aspect by minimizing human errors and by providing higher quality customer service.
"ONLINE FOOD ORDERING SYSTEM"	T.DEEPA,ASSISTANT PROFESSOR., P.SELVAMANI,II MCOM CA	2018	India	Article from Internet	This study adopted convenience sampling. Sampling was done by interviewing randomly selected respondents. A structured questionnaire was used for data collection. The questionnaire was divided into three sections, the first section was about the personal profile of respondents and second, were designed to evaluate using of consumer overall experiences with the quality of services they had received from the respondents and the last was dealing with the effect of consumer satisfaction on loyalty.

4. Existing System

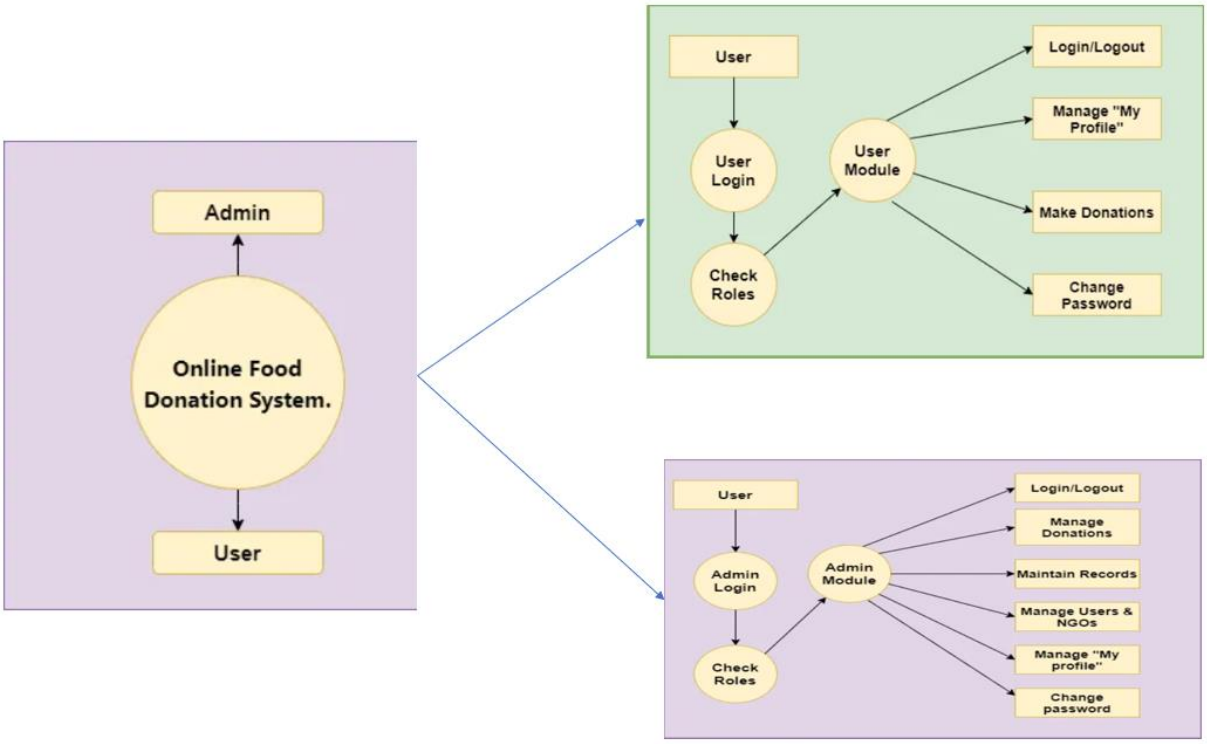
The online food ordering system sets up a food menu online and customers can easily place an order. As this online application enables the end users to register to the system online, select the food items of their choice from the menu list, and order food online. Presently people who wish to donate items need to personally visit the organizations and donate food. In general, the large manufacturers, wholesalers, and organized community This process involves a lot of time to contact the organization to check the requirement. If they do not need the food, then the person has to contact another organization. This makes the donor tired and exhausted. provide food items to food banks or waste tons of food daily. Food Ordering System is considered as a general Objective of the study. To develop a system that will surely satisfied the customer service will be considered as an objective. One of the Objective is to design a system that is able to accommodate huge amount of orders at a time and automatically compute the bill. To evaluate its performance and acceptability in terms of security, user-friendliness, accuracy and reliability is an important objective.

5. Proposed System

To overcome the limitations of above system, an Online Food Ordering System based on Internet of Things is proposed. It is a wireless food ordering system using android devices. Android devices have gained immense popularity and have revolutionized the use of mobile technology in the automation of routine task in wireless environment. The online food ordering system sets up a food menu online and customers can easily place the order and they can even donate their orders or food depending on the customer's choice. It enables us to donate excess food through this website. The Food Donation module is designed in such a way that. If the user looking to donate food, login using a username and password then add the below information in the application:

- Name of the food item and the excess quantity.
- How many people can be fed with the excess quantity of food?

6. Flowchart


Admin
Online Food Donation System.
User
User
User Login
Check Roles
User Module
Login/Logout
Manage "My Profile"
Make Donations
Change Password
User
Admin Login
Check Roles
Admin Module
Login/Logout
Manage Donations
Maintain Records
Manage Users & NGOs
Manage "My profile"
Change password

7. Tools and Technologies

- Language: Java
- Front-End: JSP, Html, CSS, JS, Bootstrap.
- Server-side: Servlet.
- Back-end: MYSQL.
- Server: Tomcat 8.5.

8. SYSTEM REQUIREMENTS

10.1) Software requirements:

The major software requirements of the project are as follows:

Language : Java,Jsp,xml

Operating system : Windows 10

Tools : Eclipse

10.2) Hardware requirements:

The hardware requirements that map towards the software are as follows:

RAM : 4.00 GB

Processor : Intel(R) Core(TM) i5-4210U CPU @ 1.70GHz 1.70 GHz

9. IMPLEMENTATION

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

<!DOCTYPE html>
<html lang="en">
<head>
  <title>Welcome</title>
  <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"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>

  <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;
    }
```

Welcome page using Jsp

t Run Window Help

Welcome.jsp | cart.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>Cart</title>
<link
    href="//netdna.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css"
    rel="stylesheet" id="bootstrap-css">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js"></script>
<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;
```

Cart page using Jsp

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- callable
- collable
- curd
- customers
- demo
- employee1
- eppractical4
- exam
- grocery_system
- klh
- lib
- multiuser
- onlinefoodorderdb
  - Tables
    - customer
    - donate
    - drinkorder
    - drinks
    - food
    - foodorder

Administration Schemas

Information

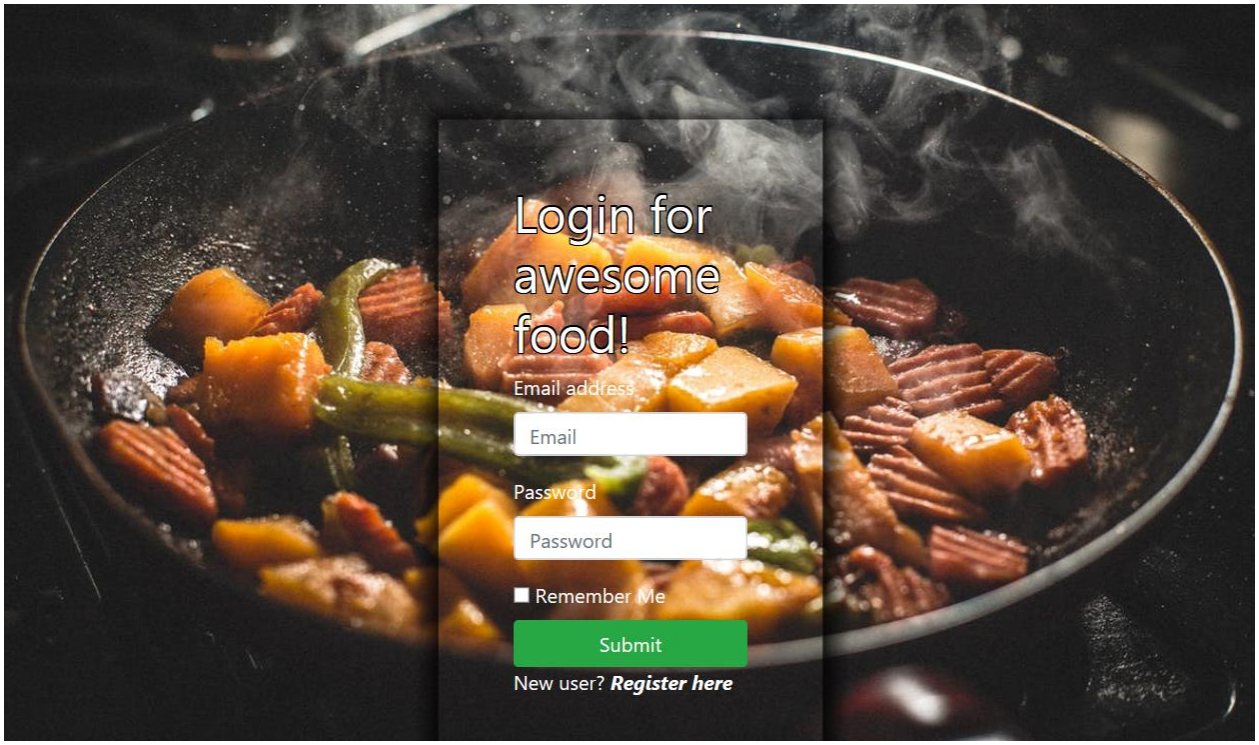
Query 1 | SQL File 3

Limit to 1000 rows

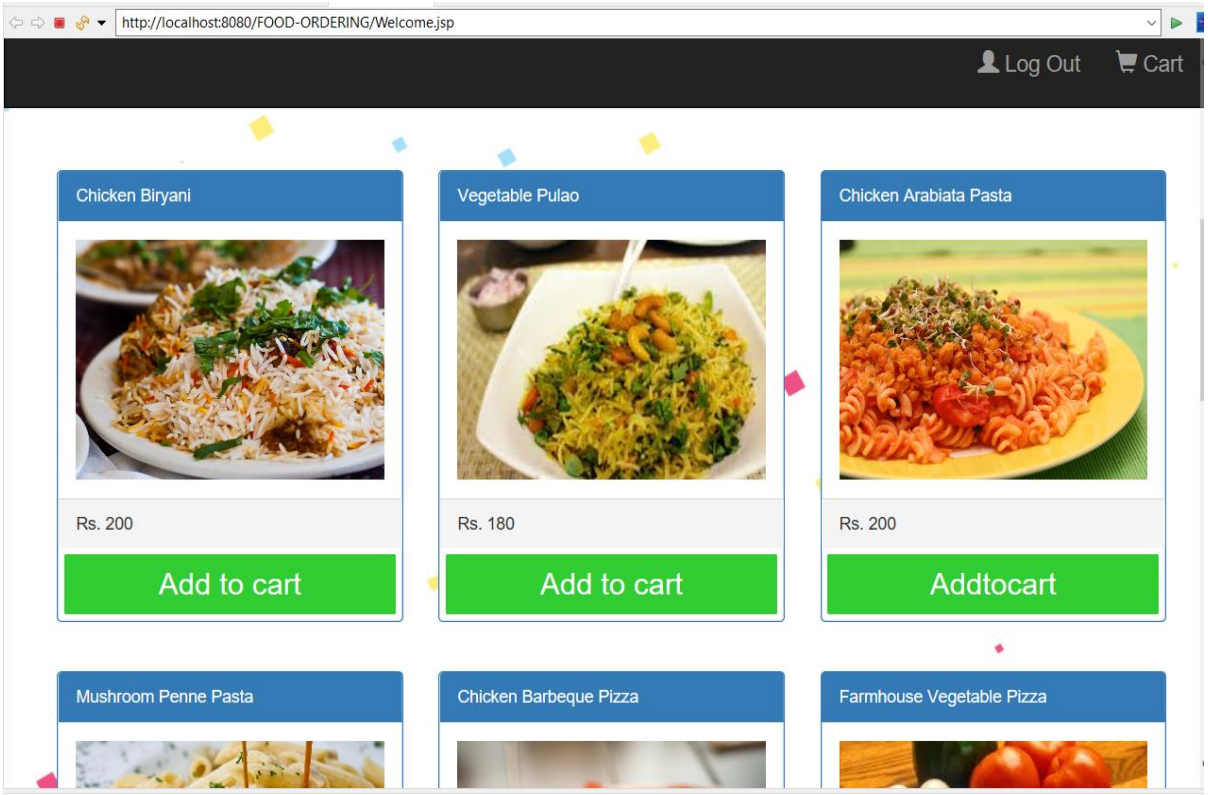
```
use OnlineFoodOrderDB;
-- create table customer( customer_id int, customer_name varchar(50),customer_emailID varchar(100),customer_password varchar(50),customer_addres
-- create table drinks(drink_id int,drink_name varchar(50) , drink_price varchar(50));
-- create table food(food_id int,food_name varchar(50) , food_price varchar(50));
-- create table drinkOrder(DO_id int,order_id int , drink_id int,qty int , total_price int);
-- create table foodOrder(FO_id int,order_id int , food_id int,qty int , total_price int);
-- create table totalOrder(order_id int,customer_id int , order_date date,total_bill int);
-- create table donate( customer_id int, customer_name varchar(50),customer_quantity int,customer_img varchar(2000));
select *from customer;
```

Mysql database

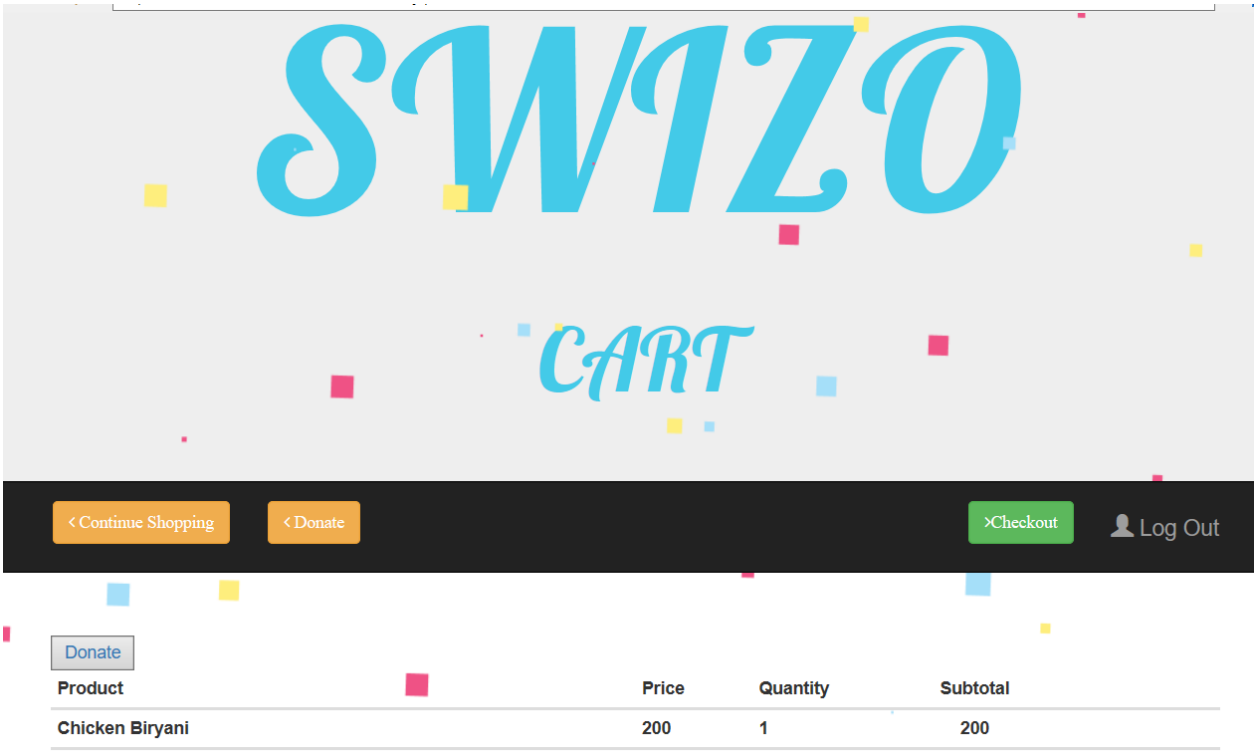
10. RESULT



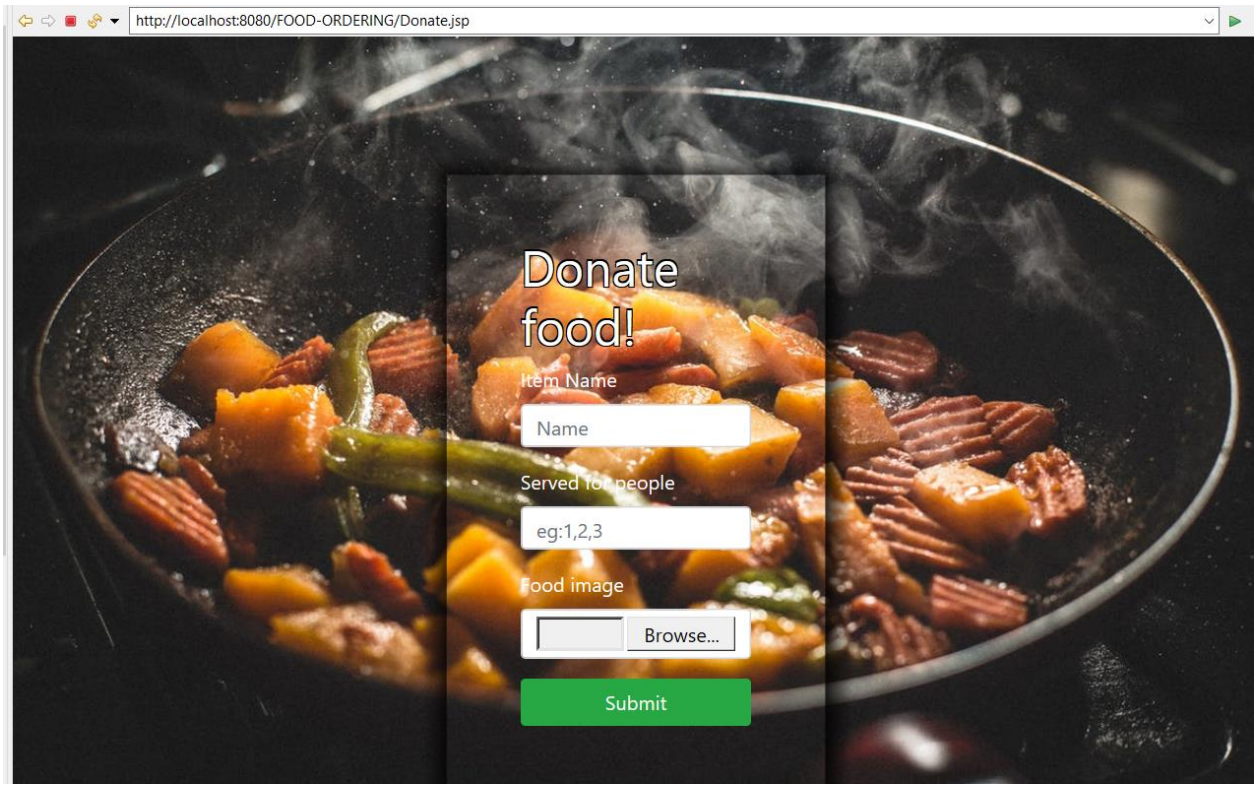
Login page



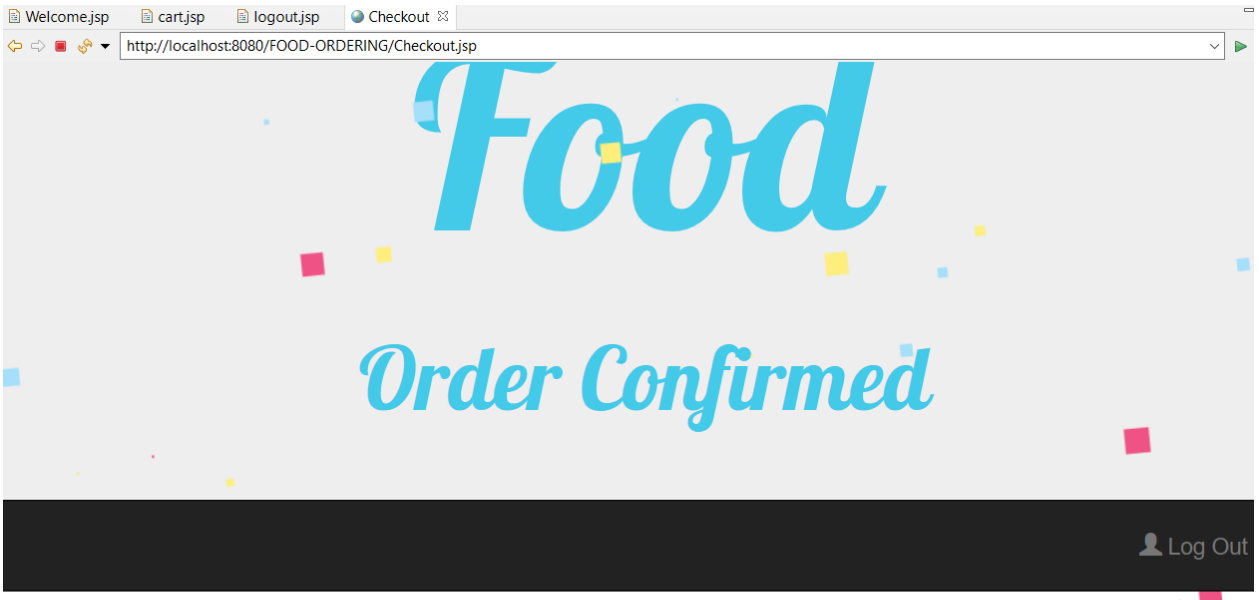
Menu page



Cart page



Donation page


Welcome.jsp
cart.jsp
logout.jsp
Checkout
http://localhost:8080/FOOD-ORDERING/Checkout.jsp
Food
Order Confirmed
Log Out
Great! Your order with order_id null has been confirmed.
It will reach you within 45 mins!
Keep Rs. null ready.
Thank you for ordering with us!

Final page

11. CONCLUSION

Finally, an online food ordering system is presented that may be used in small family-run eateries This project has the potential to be scaled up in the future. It is designed for restaurants to help them reduce their everyday management and operational tasks while also improving their customers' eating satisfaction. By offering relatively quality services, restaurant operators may also build strong customer connections. The technology also allows the restaurant to see what foods are on sale in real time and make modifications to their food and beverage inventory depending on orders submitted and orders processed. The visualization impact of the donation can create a positive impact on the users. Minimizing food wastage and feeding hunger is the main goal of the project.

12. REFERENCES

- Kirti Bhandge, Tejas Shinde, Dheeraj Ingale, Neeraj Solanki, Reshma Totare,"A Proposed System for Touchpad Based Food Ordering System Using Android Application", International Journal of Advanced Research in Computer Science Technology.
- Varsha Chavan, Priya Jadhav,Snehal Korade,Priyanka Teli, "Implementing Customizable Online Food Ordering System Using Web Based Application", International Journal of Innovative Science, Engineering Technology(IJISET)
- Resham Shinde, Priyanka Thakare, Neha Dhomne, Sushmita Sarkar, "Design and Implementation of Digital dining in Restaurants using Android", International Journal of Advance Research in Computer Science and Management Studies
- Ashutosh Bhargave, Niranjan Jadhav, Apurva Joshi, Prachi Oke, S. R Lahane,"Digital Ordering System for Restaurant Using Android", International Journal of Scientific and Research Publications.
- Khairunnisa K., Ayob J., Mohd. Helmy A. Wahab, M. Erdi Ayob, M. Izwan Ayob, M. Afif Ayob, "The Application of Wireless Food Ordering System" MASAUM Journal of Computing .
- Noor Azah Samsudin, Shamsul Kamal Ahmad Khalid, Mohd Fikry Akmal Mohd Kohar, Zulkifli Senin, Mohd Nor Ihkasan," A customizable wireless food ordering system with real time customer feedback", IEEE Symposium on Wireless Technology and Applications.