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Introduction

I would like to express my special thanks of gratitude to my collage madam Pooja Awasti who helped me a lot in this project on the topic “Online Pizza Shopping Portal”.

I have taken efforts on this project from past three months. And finally it is working which I want. The project Online Pizza Shopping portal contains, a lot of modules which I developed from past three months. I developed and researched each and every module of this project. In this project I had seen the power of Java i.e. What Java can do?

In this project, I developed modules like How to create JSP pages? How to store data in database using JSP pages? And so on. I had researched this modules from sources like Java and Java-Script standard books, from internet and past programming that I have developed some small programs. In this project, I learned so many things of Java and Java-Script. First time I developed a web application which can be run in real-time.

There are lots of problems and errors I had face during the completion of this project, like tomcat configurations to run JSP scripts, PostgreSQL authentication and connections problems, and so on.

I learned all the things like configurations of servers, PostgreSQL authentication and so on. I searched these things on the internet. Internet is helped me a lot, to solve such errors and problems. And finally all of the efforts and researched was done with the completions of this project. I had tried to do the coding professionally at the best of my knowledge and I had enjoyed the coding of this project.

*****Problem Definition

A problem definition is a brief overview of the issues or problems existing in the concerned area selected for the research. It is an explanation of the issues prevalent in a particular sector which drives the researcher to take interest in that sector for in-depth study and analysis, so as to understand and solve them.

I searched various applications of raspberry pi with temperature sensors, almost all of the software's or web-applications are associated with a particular technology, like some of the applications are IOS based, android based and also some of the applications are stand-alone also. The big disadvantage of those applications are they are not compatible with all of the devices.

So, we will discuss about the problem definition, Online Pizza Shopping Portal has many features like *graphical food-menu chart, managing the pizza names, generating online receipt for online payment and so on.* Since I want to develop such application which will run on any machine, Hence I had decided to develop a web-application which will run on any browser supportable devices like IOS, android, smart TV's, personnel computer and so on.

Problem with existing systems was the they have no support of multiple devices. They are only supportable only particular devices. But my product is customized, if I have to add one extra module and new feature then I can add. But if I have to add extra functionality of the existing system then I had no authority to add them, because I had not developed their product.

*****Existing system and need for the new system

Existing System

Today a single Pizza Café had to maintain all the data offline and they had no facility of online ordering like popular food chains (PizzaHut, Dominos etc.). So to maintain all the data and upgrading the café to the online business I have tried to create Online Pizza Shopping Portal project.

Need for the new system

I want to develop a project which is run on any technology like android, IOS, Web technology and any device like mobile phone, laptops, personnel computers, iPhones, iPads and so on. That's why I used the concept JSP (Java Server Pages), which I learned and implemented during this project. The aim of this project is to monitor and maintain data of a Pizza Cafe.

And the purpose of this project is to learn the new technologies like JSP, Java-Script, HTML-5, css3 and so on. This project is also may be available on the internet but we cannot modify someone else's project. And if I want to add, modify or change any particular module from the client's perspective that I can changed because I developed it and it is customizable product.

*****Scope of the work

Product requirements

Before the project's scope I would like to mention the product requirements. What I want to add the features, functionalities and things that I have to develop must. The things that I have to develop must that I need to implement forcefully.

Product features, functionalities and requirements that has to develop must -

1. Graphical representation of the food products.
2. Online Payment facility.
3. Analysis of the data.
4. Fault records
5. Simple interaction with the system.

Process requirements

Process requirements means how people interact with the product and how product is responding to the people.This product is user friendly and all of the features that I developed that are GUI interaction friendly that's why there is no need to take the extra efforts to learn how to interact with the product.

Limitations of the project

The limitations of this project isit doesn't provide live food delivery tracking.It is developed only to order pizzas online.

Feasibility study

A feasibility study is used to determine the viability of an idea, such as ensuring a project is legally and technically feasible as well as economically justifiable. It tells us whether a project is worth the investment—in some cases, a project may not be doable. There can be many reasons for this, including requiring too many resources, which not only prevents those resources from performing other tasks but also may cost more than an organization would earn back by taking on a project that isn't profitable.

Technical Feasibility

This assessment focuses on the technical resources available for this project developer.It helps organizations determine whether the technical resources meet capacity and whether the technical team is capable of converting the ideas into working systems.

Our product is technically feasible because I develop this product as a web application there are finite number of software's and hardware's are required.

EconomicFeasibility

This assessment typically involves a cost/ benefits analysis of the project, helping organizations determine the viability, cost, and benefits associated with a project before financial resources are allocated.

Our product is not a big budget but the costs of the hardware requirements are in thousands, that's why our product is economically feasible.

Operational Feasibility

Operationally feasibility is a study to find out whether developed and implemented system will be useful or not? It is for finding out whether the developed system would comply with the users or will user's resists using this system?

We make the product user friendly and accessible from any device and there is no need to give the much training to the user. Hence our Online Pizza Shopping Portal product is operationally feasible.

********Requirement analysis

Software requirement is a functional or non-functional need to be implemented in the system. Functional means providing particular service to the user.Software requirement can also be a non-functional, it can be a performance requirement.

1. **Business requirements**

   Business requirements are the high level requirements that are taken from the business case from the projects. As the purpose of this project is not from the perspective of business, it is only used for the collage requirement. Hence there are no business requirements from the project. This product is not for sell, it is only useful for collage academic purposes.

2. **Design requirements**

   These requirements are more detailed than business requirements. It determines the overall design required to implement the business requirement. For this project, our design requirements are GUI development like, implementation of menu *page, payment gateway page and generating receipts for online payment and so on.*

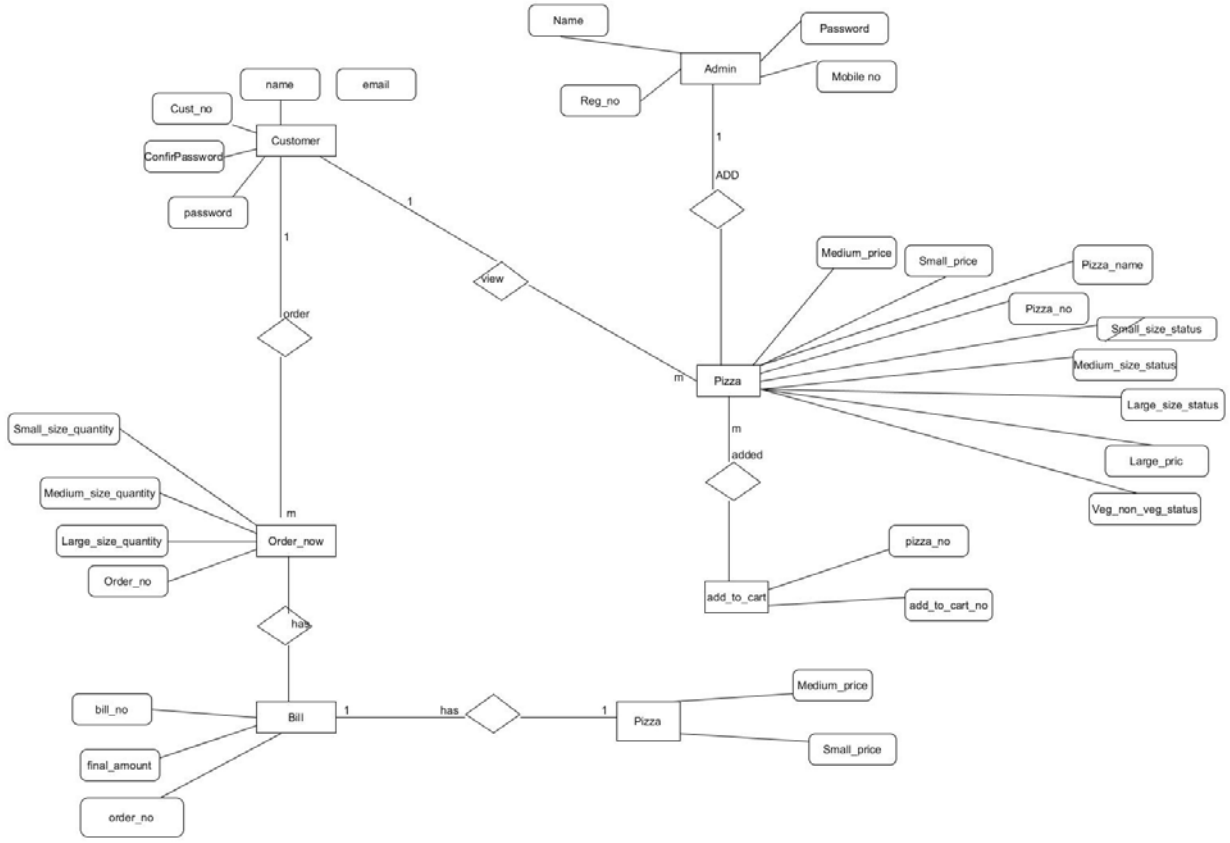
   For example:

   a. *Admin registration*: This use case describes how admin can login into web-application.
   b. *Dashboards:* In this, it describes about the dashboards of the web application when user uses to our app. In this how the design of the dashboard is to be done and how it is used to make user-friendly.
   c. *Graphical foodmenu pages:* This use case is required to show the pizza menu.

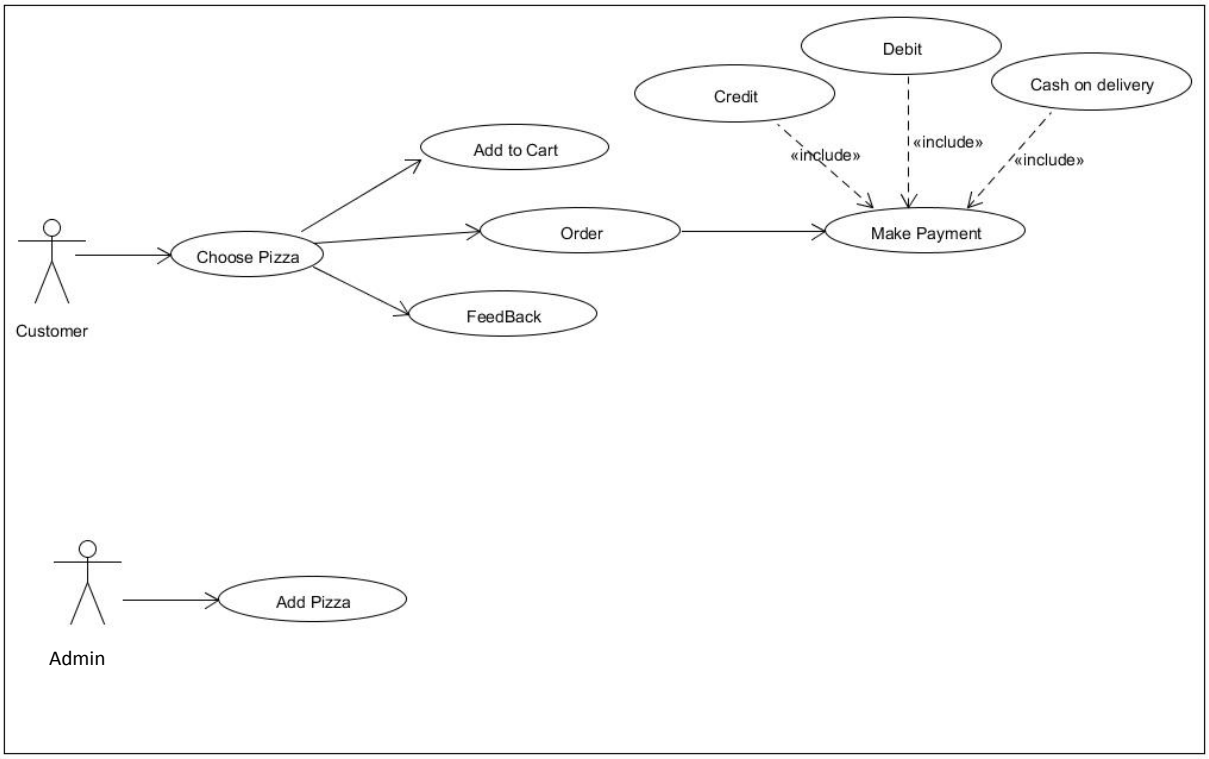
3. **Software's & Hardware's requirement (Project setup requirements)**

   1. ***Software requirements:***
      a. *Xampp Server* – To run JSP scripts.
      b. *Notepad++* - To write codes and scripts.
      c. *Browser*– Any browser on which E – Airtel web application will run.
      d. *JDK (1.8)*– Java Development Kit
      e. *Platform* – Windows/Linux
   2. ***Hardware requirements:***
      a. *Intel Pentium or more*
      b. *2 GB RAM*
      c. *PC with 80 GB ROM*

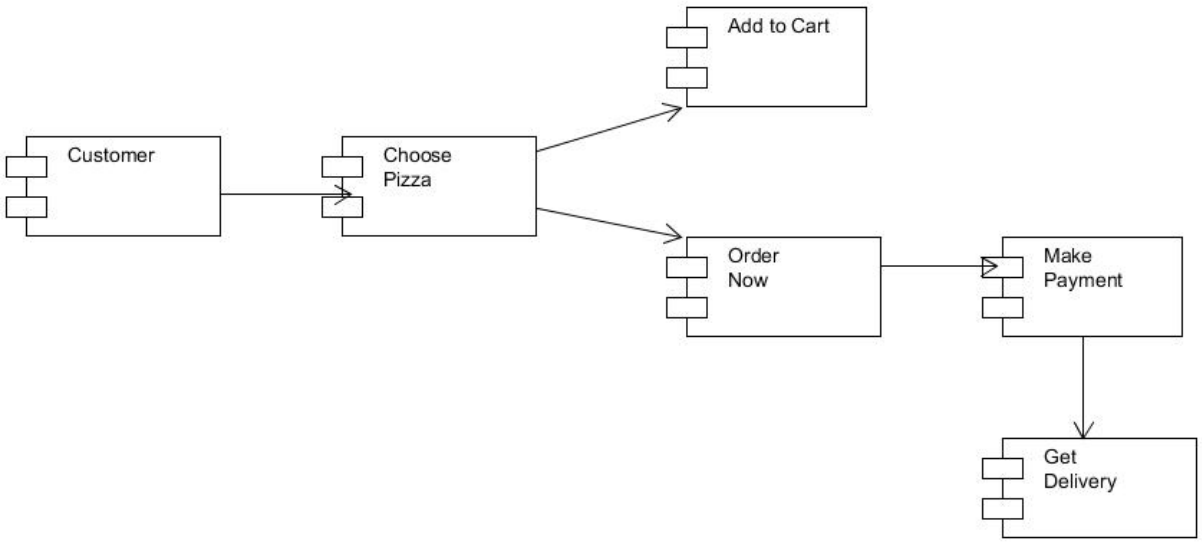
E-R Diagrams


Name
Password
Admin
Mobile no
Reg_no
name
email
Cust_no
Customer
ConfirPassword
password
1
ADD
1
1
view
order
Medium_price
Small_price
Pizza_name
Pizza_no
Small_size_status
Medium_size_status
Large_size_status
Large_pric
Veg_non_veg_status
m
Pizza
m
added
Small_size_quantity
Medium_size_quantity
Large_size_quantity
Order_no
m
Order_now
pizza_no
add_to_cart
add_to_cart_no
has
bill_no
final_amount
order_no
Bill
1
has
1
Pizza
Medium_price
Small_price

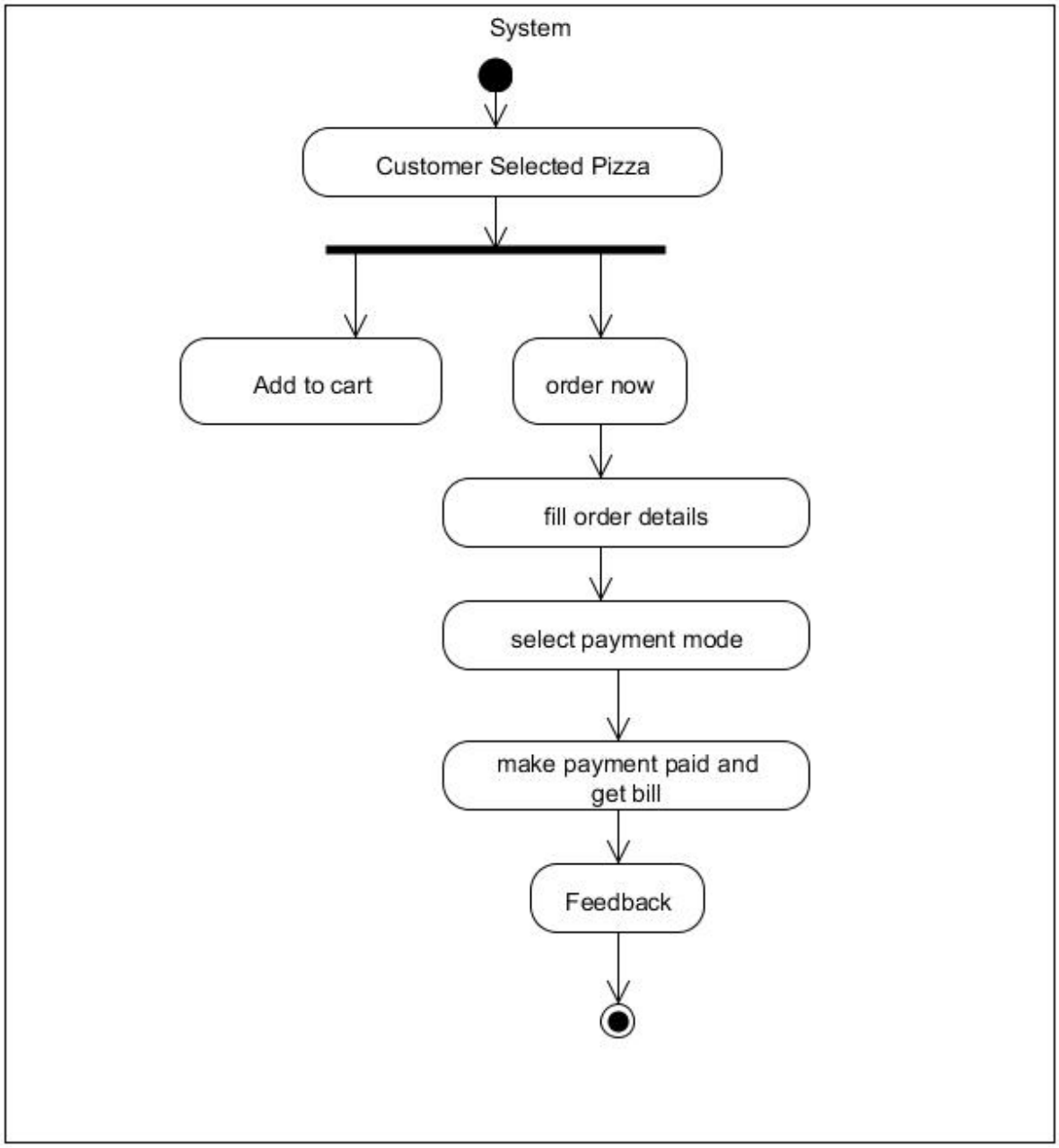
Use Case Diagram



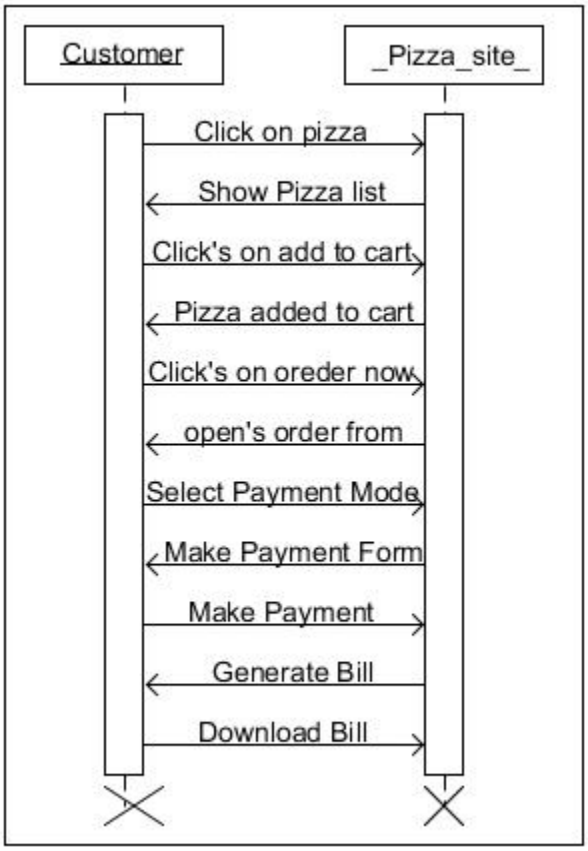
Component Diagram



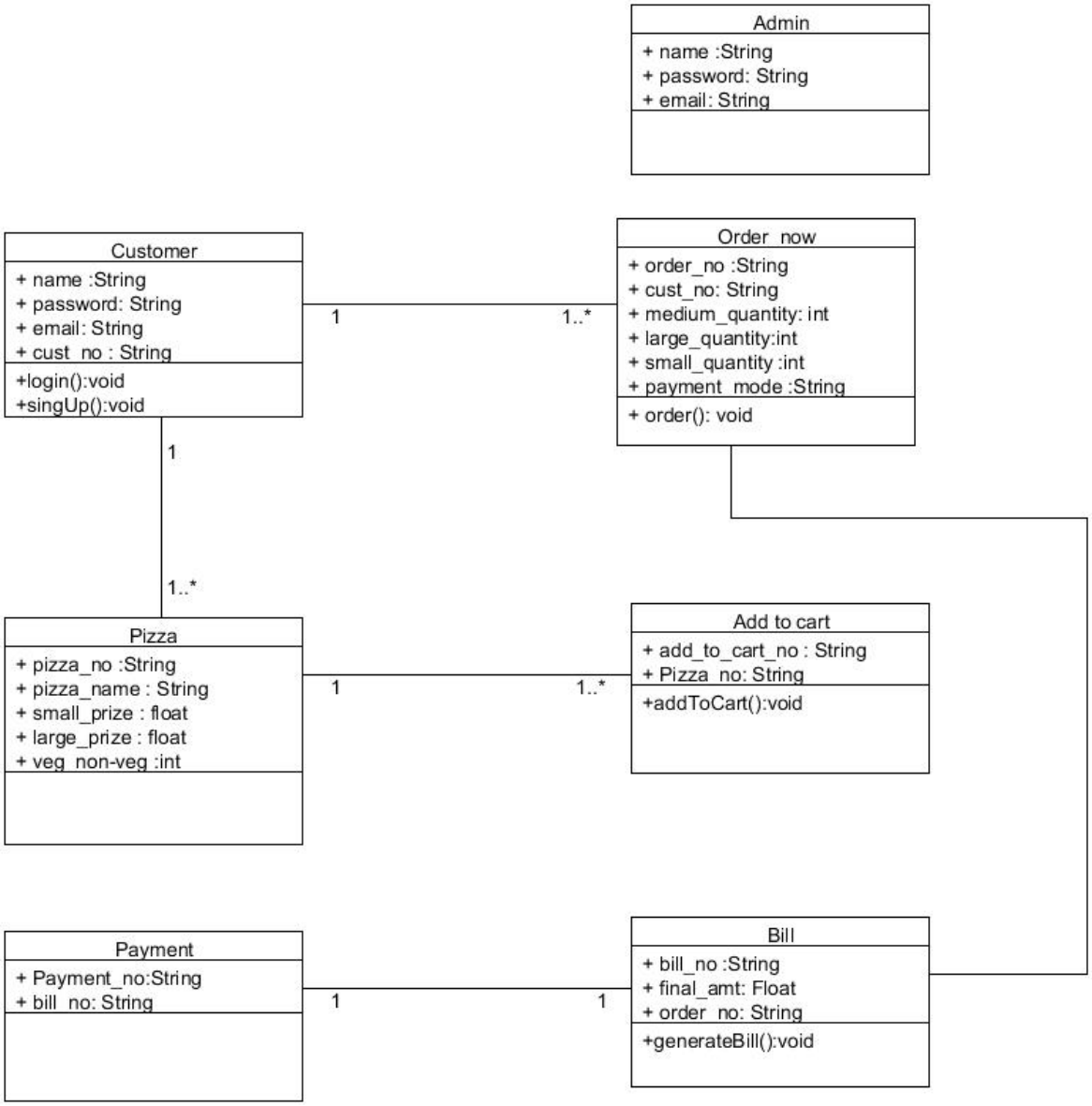
ActivityDiagram



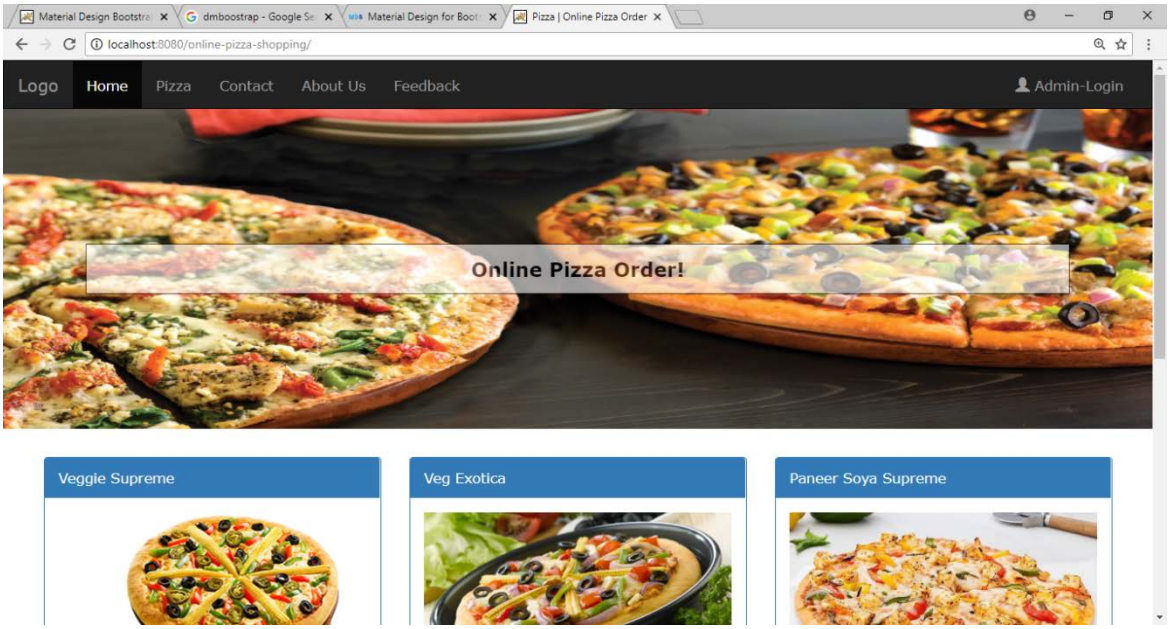
Sequence Diagram

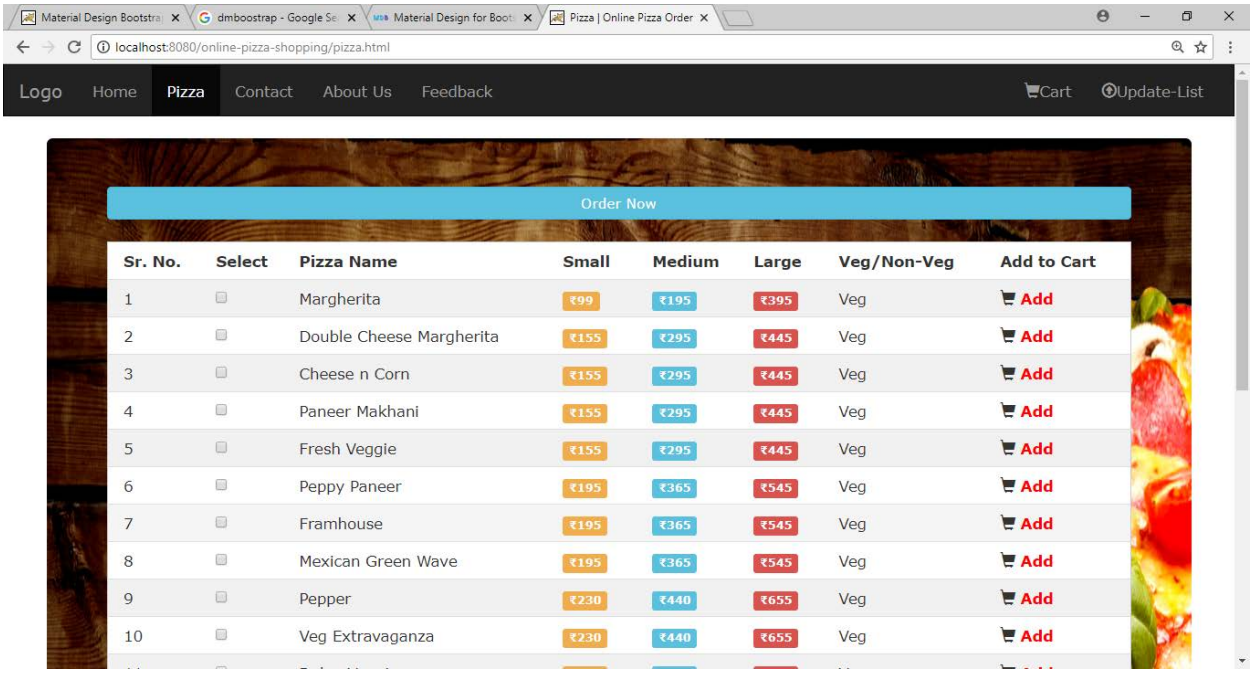


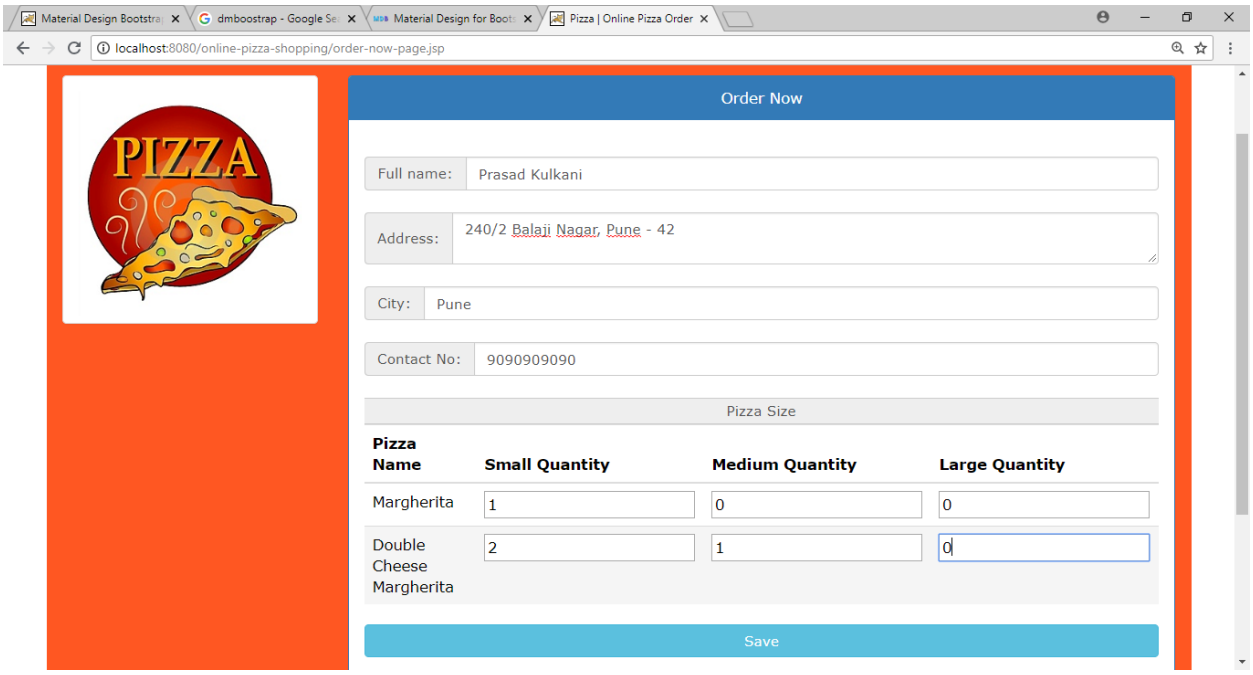
Class Diagrams

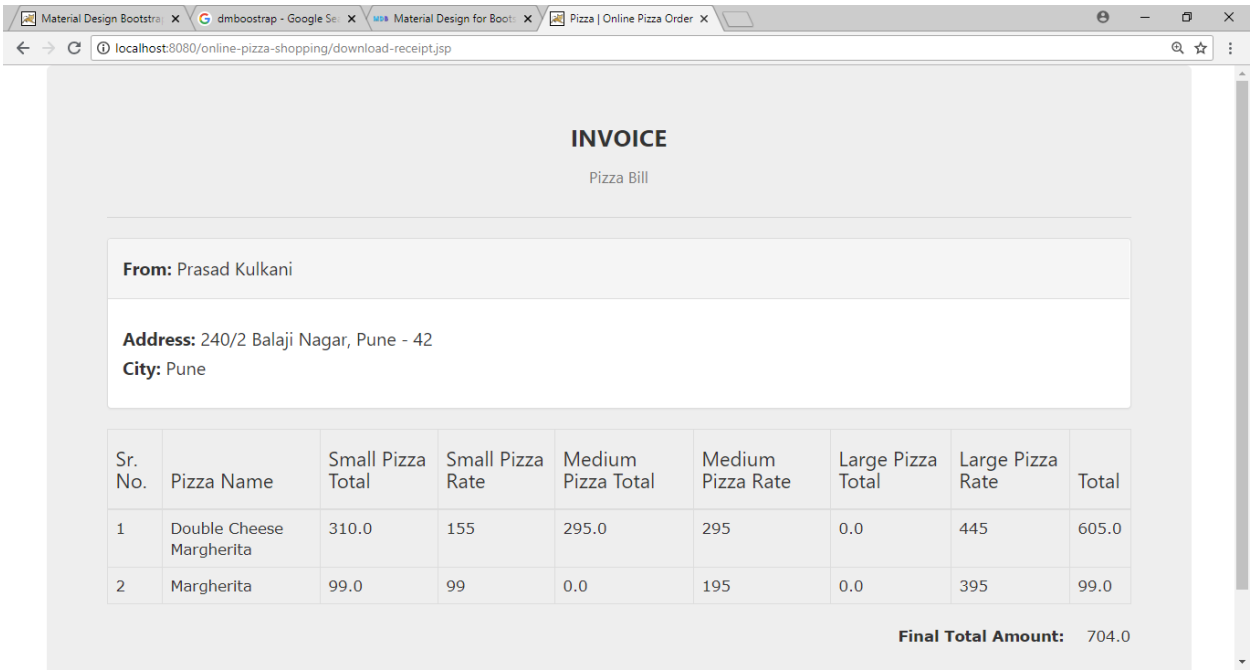


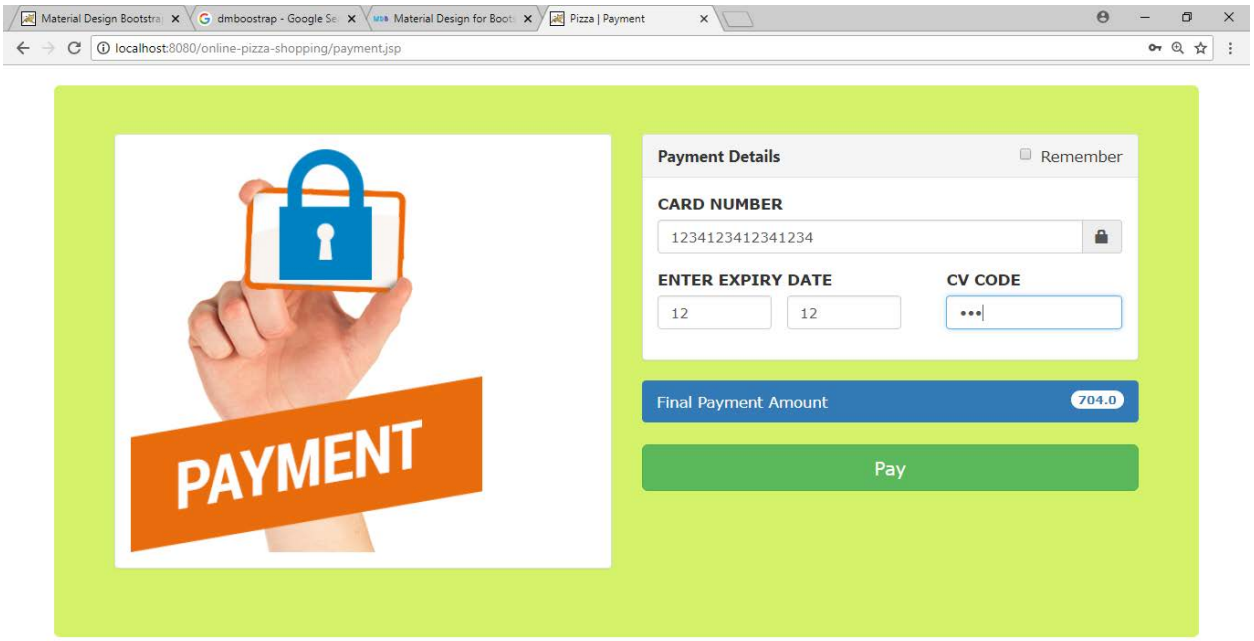
Input & Output Screen's

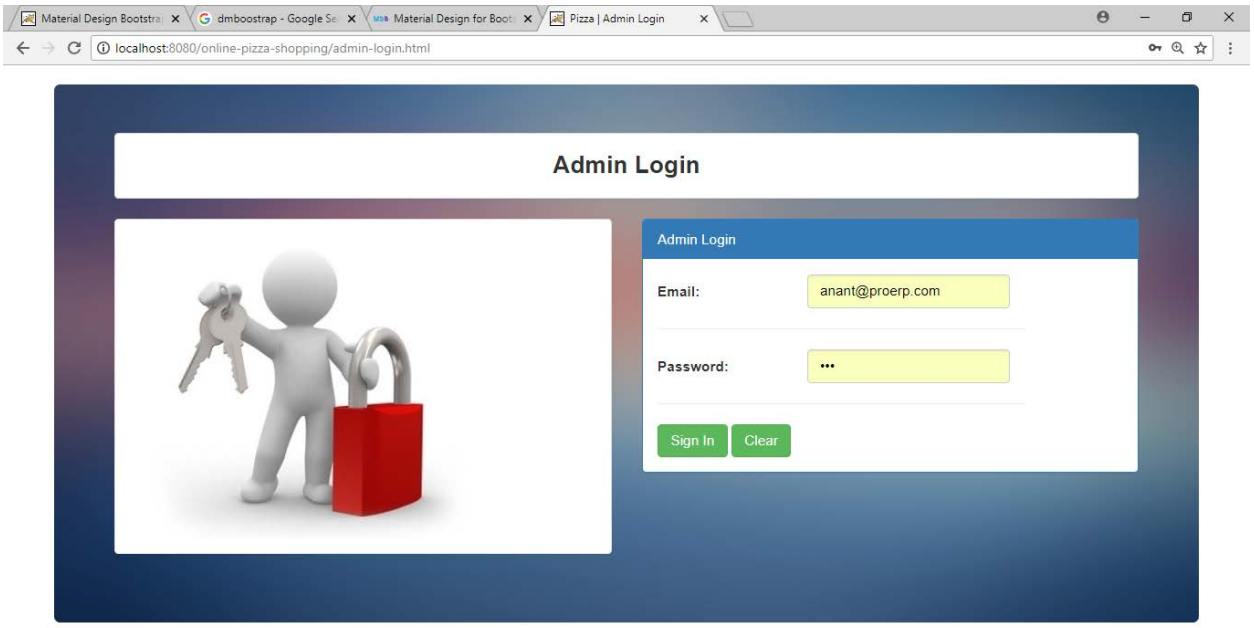


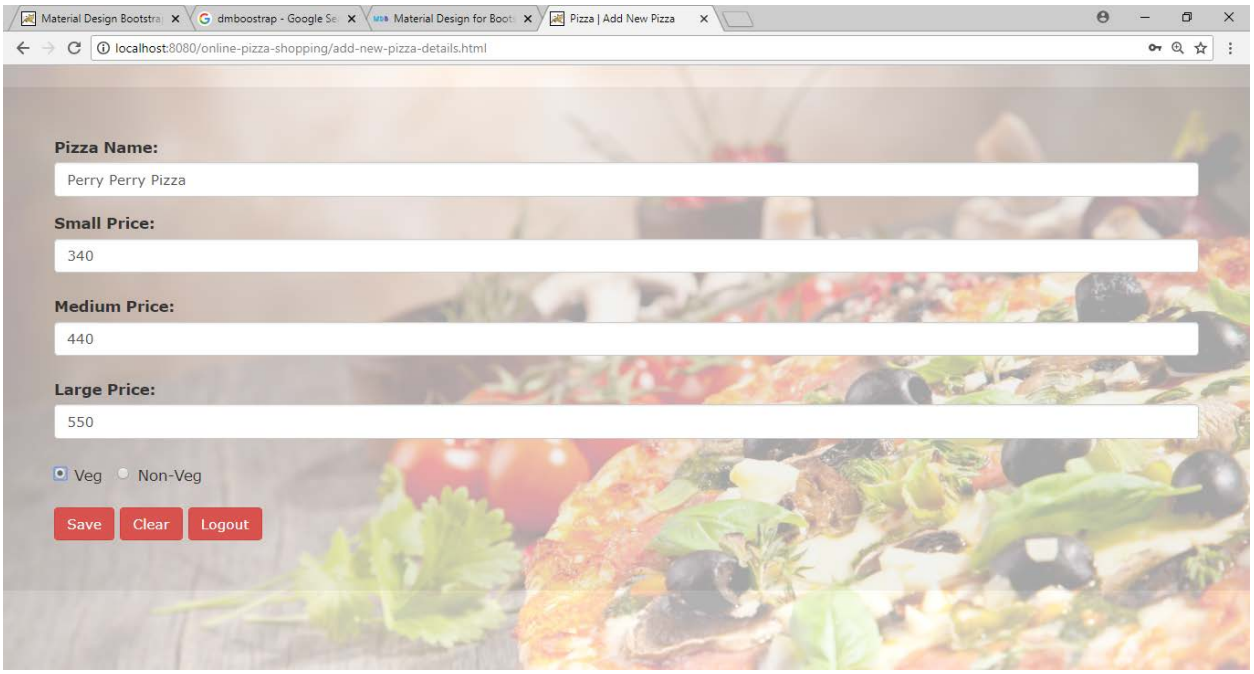


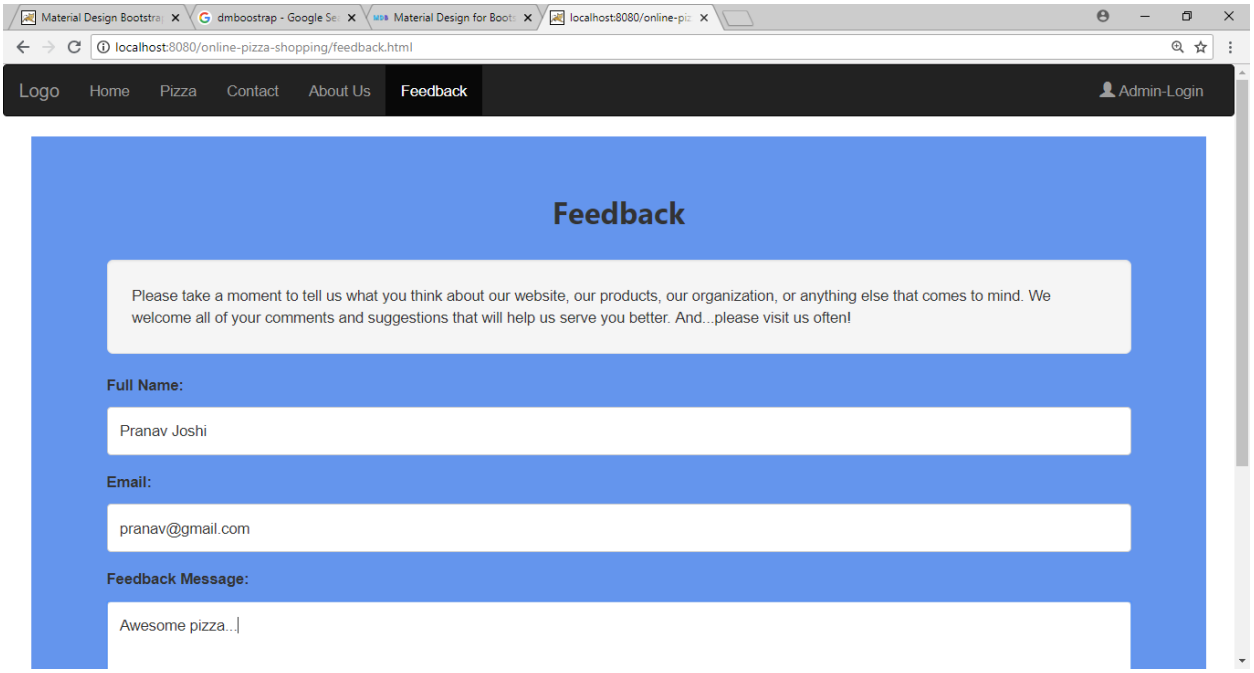

Material Design Bootstra
dmboostrap - Google Se
Material Design for Boot
Pizza | Online Pizza Order
localhost:8080/online-pizza-shopping/order-now-page.jsp
PIZZA
Order Now
Full name:
Prasad Kulkani
Address:
240/2 Balaji Nagar, Pune - 42
City:
Pune
Contact No:
9090909090
Pizza Size
Pizza Name
Small Quantity
Medium Quantity
Large Quantity
Margherita
1
0
0
Double Cheese Margherita
2
1
0
Save

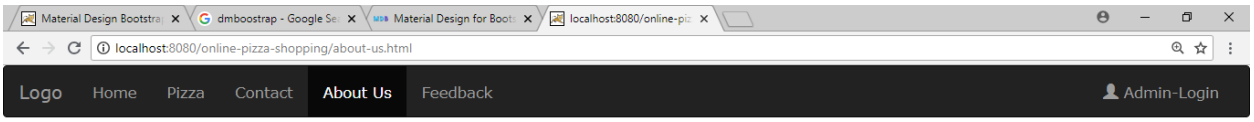

Material Design Bootstra
dmboostrap - Google Se
Material Design for Boot
Pizza | Online Pizza Order
localhost:8080/online-pizza-shopping/download-receipt.jsp
INVOICE
Pizza Bill
From: Prasad Kulkani
Address: 240/2 Balaji Nagar, Pune - 42
City: Pune
Sr. No.
Pizza Name
Small Pizza Total
Small Pizza Rate
Medium Pizza Total
Medium Pizza Rate
Large Pizza Total
Large Pizza Rate
Total
1
Double Cheese Margherita
310.0
155
295.0
295
0.0
445
605.0
2
Margherita
99.0
99
0.0
195
0.0
395
99.0
Final Total Amount: 704.0


Material Design Bootstra
dmboostrap - Google Se
Material Design for Boot
Pizza | Payment
localhost:8080/online-pizza-shopping/payment.jsp
PAYMENT
Payment Details
Remember
CARD NUMBER
1234123412341234
ENTER EXPIRY DATE
12
12
CV CODE
Final Payment Amount
704.0
Pay


Material Design Bootstra
dmboostrap - Google Se
Material Design for Boot
Pizza | Admin Login
localhost:8080/online-pizza-shopping/admin-login.html
Admin Login
Admin Login
Email:
anant@proerp.com
Password:
Sign In
Clear


Material Design Bootstra
dmboostrap - Google Se
Material Design for Boot
Pizza | Add New Pizza
localhost:8080/online-pizza-shopping/add-new-pizza-details.html
Pizza Name:
Perry Perry Pizza
Small Price:
340
Medium Price:
440
Large Price:
550
Veg
Non-Veg
Save
Clear
Logout

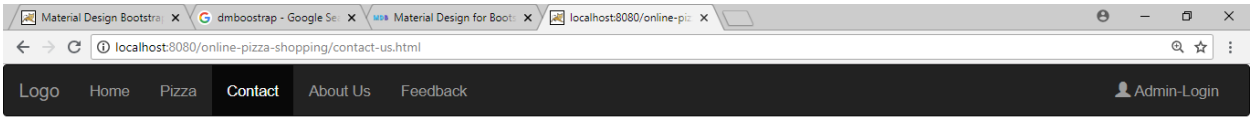

Material Design Bootstra
dmboostrap - Google Se
Material Design for Boot
localhost:8080/online-pi
localhost:8080/online-pizza-shopping/feedback.html
Logo
Home
Pizza
Contact
About Us
Feedback
Admin-Login
Feedback
Please take a moment to tell us what you think about our website, our products, our organization, or anything else that comes to mind. We welcome all of your comments and suggestions that will help us serve you better. And...please visit us often!
Full Name:
Pranav Joshi
Email:
pranav@gmail.com
Feedback Message:
Awesome pizza...



About Us

"Unless you are a pizza, the answer is 'Yes', I can live without you!"

Living alone from our families in a distant city, Pizza has been our 'go to' friend for all occasions and also for no occasions. And more we eat it, more we love it. For us it is our Pizza. This love for pizza took us to various pizza places and we tried a number of authentic and exotic preparations. While we always enjoy the experience but more we went about it, more we realized that there was something missing. We could not point it out but the experience was not complete, was not wholesome. Only after visiting a lot of places and discussing with more pizza lovers did we realize that what had been haunting us for long was 'lack of toppings' in a pizza. True flavour of pizza lies in its delicious toppings and there is no bigger crime than holding back toppings from a Pizza! We tried searching for reason but it led us nowhere. But we wanted more of those lovely toppings in our pizza. So, we decided to take it upon ourselves to create what we want the way it is supposed to be. We spoke to some of the best Pizza chefs around, sourced the highest quality ingredients from different places round the country, and after months of research, and then innumerable trials, were we able to craft a Pizza that we would love toeat. And we called it Pizza. We now bring to you a pizza hand rolled with precision, overflowing with cheese and loaded with your favourite toppings! So, get your Pizza delivered to your doorstep and enjoy a warm box of goodness.



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Kasarwadi

No. 548, 22nd Cross 14th Main Road HSR Layout Sector - 3
Kasarwadi, Pune - 411008

Sadashiv Peth

Bajirao road, Near Yewale Amrutatulya. Sadashiv Peth, Pune - 411022

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5. https://www.w3schools.com/css/css_border.asp