## PROJECT REPORT:

## **CREATED BY:**

NAME	Ankit Jain
TITLE	Foodziva:- Food & Drinks Domain  PROJECT ID: SPS-8369-Food & Drinks  Domain
CATEOGARY	GoDaddy Web Build-A-Thon As a part of 36Hrs. Build-A-Thon to build an website for Food & Drinks Sector.
DURATION	29 <sup>th</sup> Jan 2021 - 30 <sup>th</sup> Jan 2021

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# 1.Project Scope, Schedule, Team & Deliverables:

### 1.1 Overview:

"Online Restaurant Website" is considered as an increasingly used application in restaurant management. Just a few years ago, people used to spend long time waiting for a table to be ready for them at a restaurant.

And after that, they would wait longer time to order their food. There was no surprise that the food took too long to be prepared. In short, the whole enjoyment of eating did eventually result in boredom and tiredness for customers.

From another side, this is the restaurant management and staff who used to stand much pressure to handle a lot of customers at the same time.

With great technology in general and the internet in specific, customers can be happy by using online food ordering and reservation.

This facilitates the work of restaurant managers and staff. The system will make the entire process for the restaurant manager much easier and faster compared with traditional methods.

On the other hand, these days' customers can place their orders and make their reservations as quickly and enjoyably as a click on their computers or smart devices.

## 1.2 Problem Statement:

Restaurant is a kind of business that serves people all over world with ready made food. Currently this industry is going on with lot of flare. People feel more comfortable with lot of variations in the selection and consumption of their food in their busy life.

One can see lot more restaurant in the world. Even in Denmark one can see thousands of restaurants with dishes from all over the world like from India, Pakistan, Mexican, etc fulfilling the needs of people with nourishments and enjoyments.

Let's concentrate on booking area in a restaurant. In traditional booking system, a customer has to make a phone call in order to get his meal reserved. If luckily the phone gets connected, then the customer does some formal conversation like hello, hi, etc. Than he demands for today's menu and do some discussion over menu items then he orders and he has to give some of this identification specifications. This process takes 5-8 minutes to complete. On the receiver side there is hardly one phone line and one operator. So he can cover around 15-20 orders maximum in an hour.

For each booking he has to register manually on paper and puts the order in a queue with specific priority according to time and quantity, and than a cook is assigned for the specific order to complete it.

There are lots of areas to be solved for current restaurants using modern IT World. Many areas come like human resource

management, accounts management, etc. But our problem lies within domain of end customer and restaurant "Meal Reservation".

## 1.3 Requirements:

The project requirements are wide-ranging and include already available frameworks and plug-ins:

• **Project Requirements**: XAMPP Localhost Server, Wordpress

, Go Daddy Hosting Provider

• Functional Requirements: Go Daddy Web Hosting

• Technical Requirements: Wordpress Knowledge,

(Tech-Stack) HTML, CSS, JS,

Hosting Sense

• **Software Requirements:** Wordpress, XAMPP

Filezilla.

• **Project Deliverables**: Smartinternz -

Go Daddy Web Build A Thon

• **Project Team:** Ankit Jain (Individual)

• **Project Duration**: 36 hours

## 1.4 Project Scope:

The project scope is quite wide, but in order to make the application smooth, easy to load, user friendly, we would mainly be focusing on the following points:

We are assigned the scope of project to "Meal Reservation" only.

The customer side allows the customer to

- view menu list
- according to the time of delivery he desires
- and reserve meal for that specific time,
- and at the management side the staff is allowed to edit information regarding
- menu list, price, assigning cook, maintain information regarding the orders placed, etc.

 $Meanwhile, keeping\ the\ application\ utmost\ user-friendly.$ 

One can see lot more restaurant in the world. Even in Denmark one can see thousands of restaurants with dishes from all over the world like from India, Pakistan, Mexican, etc fulfilling the needs of people with nourishments and enjoyments.

Next, we will create a project kick-off template.

## Kickoff Meeting Agenda

Project Name Smart Document-Understanding ChatBot

Kickoff Date 16th May 2020

	Topic	Leader
Discuss project background  1. What we have today  2. Why we need to change  3. What are the key measures of success?		Team consists Of an Individual: Project Leader Ankit Jain To be discussed in the Week-1: Under the Heading 1: (Refer To Page IIi Of Report)
1. 2.	oproject objectives Objectives Deliverables Assumption	Under the Headings 3,4,5,6,7: (Refer To Page II Of Report)
1. 2.	team member roles & responsibilities Project Team- Advisory groups (if needed) Steering committee (if needed)	The data is surveyed and added. Under the Heading 8,9: (Refer To Page II Of Report)
Review concer What r	other potential issues, risks, questions and	To be done in the last week: Under the Heading 10,11,12: (Refer To Page II Of Report)
Identify next steps and timing - Team communications - Frequency of team meetings		Can't be scheduled as team consists of a single individual.

Kickoff Meeting Agenda.docx



## 2.Literature Survey:

## 2.1 Existing Problem:

If we examine the problem statement we could easily identify that the problem statement talks of the problems with the already existing sites.

Restaurant is a kind of business that serves people all over world with ready made food. Currently this industry is going on with lot of flare. People feel more comfortable with lot of variations in the selection and consumption of their food in their busy life.

One can see lot more restaurant in the world. Even in Denmark one can see thousands of restaurants with dishes from all over the world like from India, Pakistan, Mexican, etc fulfilling the needs of people with nourishments and enjoyments.

Let's concentrate on booking area in a restaurant. In traditional booking system, a customer has to make a phone call in order to get his meal reserved. If luckily the phone gets connected, then the customer does some formal conversation like hello, hi, etc. Than he demands for today's menu and do some discussion over menu items then he orders and he has to give some of this identification specifications. This process takes 5-8 minutes to complete. On the receiver side there is hardly one phone line and one operator. So he can cover around 15-20 orders maximum in an hour.

For each booking he has to register manually on paper and puts the

order in a queue with specific priority according to time and quantity, and than a cook is assigned for the specific order to complete it.

There are lots of areas to be solved for current restaurants using modern IT World. Many areas come like human resource management, accounts management, etc. But our problem lies within domain of end customer and restaurant "Meal Reservation".

## **2.2 Proposed Solution:**

As discussed earlier our main problem area focuses on the "Meal reservation/booking system", there are lot of problems in that area which are associated with both the customer and the restaurant staff.

We would like to analyze some of the problems here:

- a. Initial problem is that the customer has to get connected over the phone, it would be harder if the restaurant is very popular and busy.
- b. As customer won't have the menu list with him, it would be harder for him to remember the entire list (with price as well...!) and come to a decision, i.e. customer is provided with less time to make decision.
- c. The chances of committing mistakes at the restaurant side in providing a menu list for a specific time would be more.
- d. There might be some communication problems or sometimes

language might be a barrier.

- e. As entire booking has to be done manually at the restaurant end, the chances of occurrence of mistakes is high as well.
- f. Most of restaurants have single phone line and a single operator to handle incoming calls, so they can accept limited orders.
- g. If the restaurant is of busy type, than the operator is left with no time to decide over the priority of the order fulfillment.
- h. Even assigning orders (or some menu from the order) to a specific cook can be cumbersome if it is done parallel with the bookings of the order.
- i. All the calls will not by intended for booking, as some calls might be for canceling the order or to fetch the status as well, this eats up the productive time at the restaurant side

## 2.2.1 Proposed Solution:

The solution for the above problems, so far we have thought, is client-server system that listen the requests online. We have the intensions to make the system that takes the customer reservations through the browser.

But how to make it..?

To resister a meal online, the customer has to become a member first then he can access the later part of the site. The option of becoming member was only an attempt to avoid (to some extent) placing the fake bookings.

## 2.2.2 Explaination of Proposed Solution:

During login the user as to enter his emailed/UserID, password and desired time of order delivery. After successful login the customer can access the menu page with the items listed according to the desired time. Later within the available items he can search for a menu according to his choice i.e. according to price range and category of food and later he can order a meal.

If the customer later wants to cancel the order, he is permitted to do this only within a specific time period. The customer is also given with the facility to view the status of the order and if the order is ready then he can go and get it.

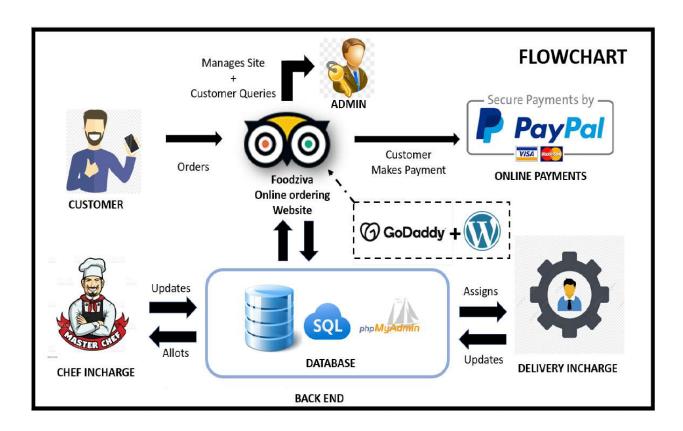
At Management side, initially the staff member has to login, and according to his designation the privileges are set. If the staff member is a cook, then he is allowed to edit only the order items status, indicating which menu items he has prepared.

If suppose the member is an administrator then, he is allowed to reassign the cook according to his priority, he can edit the menu information such as its price, items available currently, etc. He can also change the status of the order (in some special cases), and can also block (if any customer exists)/Edit any customer's order according to his priority.

## 3. Theoritical Analysis:

## 3.1 Block Diagram:

Below, I am including a project flow diagram or a block diagram illustrating the scope of the problem, and the design procedure.



This will help to monitor the next steps and get a faster, efficient solution, as the problem demands

## 3.2 Diagram Description:

- 1. The diagram is based on design, using Wordpress.
- 2. The user interacts with the backend server via the app UI. The front end app UI is a engages the user in a conversation.
- 3. Dialog between the user and backend server is coordinated using a Online Hosted Website.
- 4. If the user asks a product operation question, a search query is passed to a predefined Admin section.
- 5. Online Payments Gateway is integrated in the application.

## 3.3 Hardware / Software designing:

The basic design of the solution shall walk through the following steps, each involving a significant time outline, leading to the final deployment phase:

- 1. Set Up Local host, using XAMPP
- 2. Install Wordpress
- 3. Create entire site on Local host
- 4. Create hosting space on Go Daddy

- 5. Transfer the site from localhost to online server
- 6. Lastly, embed the Payment Gateway.

The final design shall be made available.

## 4. Experimental Procedure:

## 4.1 Create Web Application Resources:

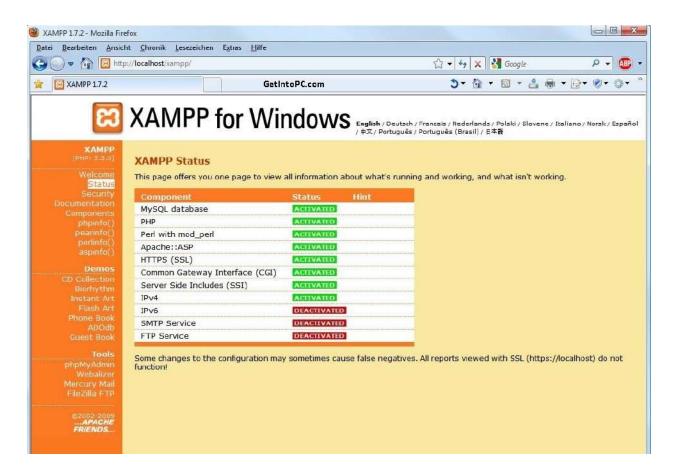
Create the following services:

- Set Up Localhost, via XAMPP
- Install Wordpress
- Configure Wordpress
- Import the template, using Elementor
- Create Account on GoDadddy
- Configure Hosting Space
- Set Up All-in-one Migration Plugin
- Set Up File Zilla
- Set Up Menu-Ordering-Reservations Plugin.

## 5. Experimental Investigations:

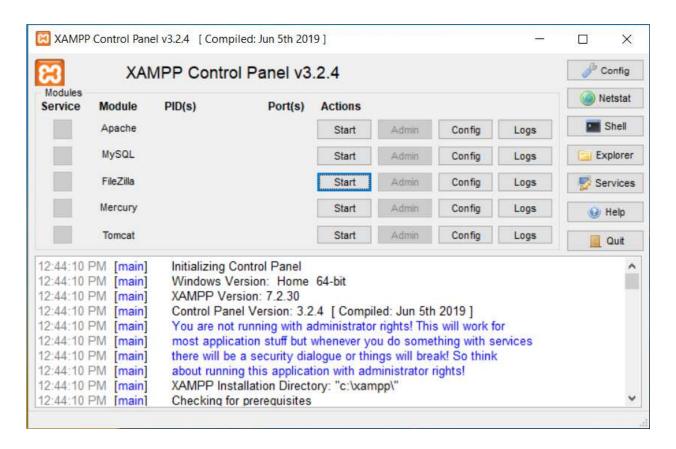
## 5.1 Set Up Local host, using XAMPP:

Client/server describes the relationship between two computer programs in which one program, the client, makes a service request from another program, the server, which fulfils the request..



XAMPP is a free and open-source cross-platform web server solution stack package developed by Apache Friends, consisting mainly of the Apache HTTP Server, MariaDB database, and interpreters for

scripts written in the PHP and Perl programming languages.



In a network, the client/server model provides a convenient way to interconnect programs that are distributed efficiently across different locations. Computer transactions using the client/server model are very common.

### 5.2 Install Wordpress on The Localhost:

WordPress is a free and open-source content management system written in PHP and paired with a MySQL or MariaDB database. Features include a plugin architecture and a template system, referred to within WordPress as Themes.

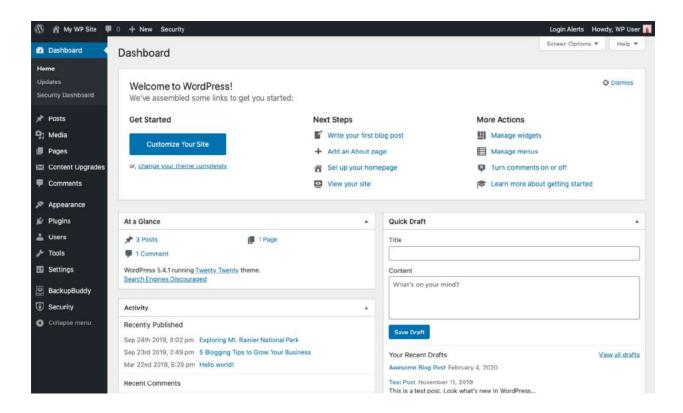
Modular design of a client/server application enables that application to be fault-tolerant. In a fault-tolerant system, failures may occur without causing a shutdown of the entire application.



In a fault-tolerant client/server application, one or more servers may fail without stopping the whole system as long as the services offered on the failed servers are available on servers that are still active.

Another advantage of modularity is that a client/server application can respond automatically to increasing or decreasing system loads by adding or shutting down one or more services or servers.

- Download the latest version of WordPress from wordpress.org
- Unzip the file and upload it to the public\_html (or similar) directory
- Create MySQL Database and User
- Configure the wp-config.php file.
- Run the WordPress install



- Download and extract the latest version of WordPress.
- Next, we need to create a database and user.
- So, log in to your hPanel and go to MySQL Database under the Database section.
- After filling in the required fields, press Create

Run the WordPress installation script by accessing the URL in a web

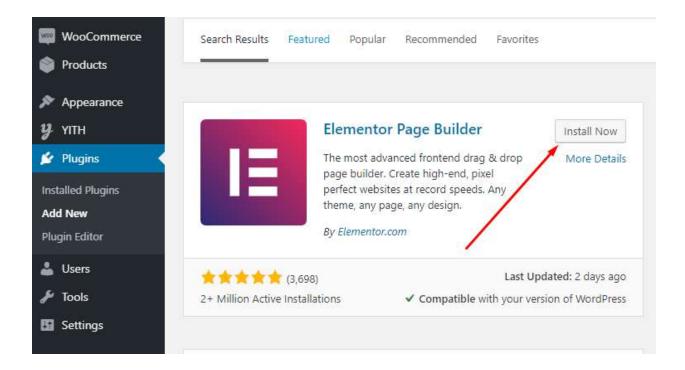
browser. This should be the URL where you uploaded the WordPress files.

If you installed WordPress in the root directory, you should visit: http://example.com/

If you installed WordPress in its own subdirectory called blog, for example, you should visit: http://example.com/blog/

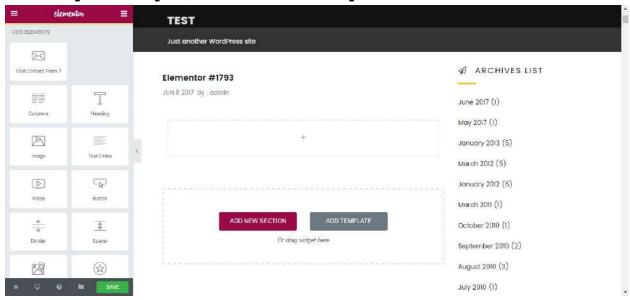
## 5.3 Create entire site on Local host (After Connecting XAMPP and Wordpress):

We will import a template site using the elementor plugin as:

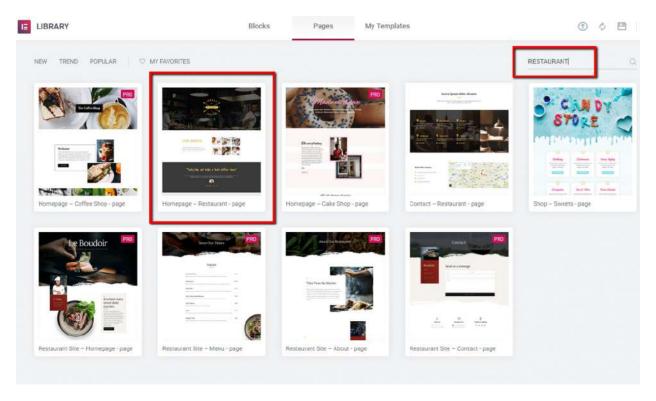


Elementor Ltd. is an Israeli software company, providing web development services. The Elementor Website builder allows WordPress users to create and edit websites by employing the drag

and drop technique, with a built-in responsive mode.



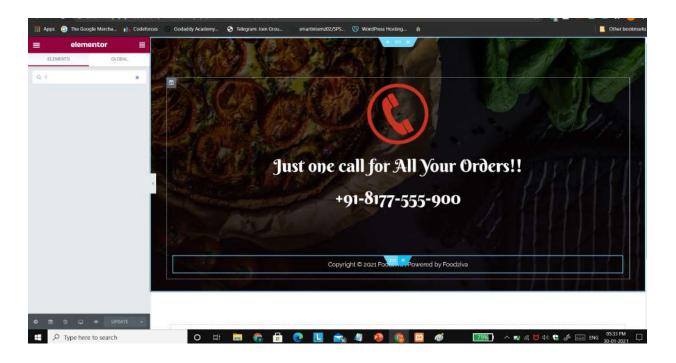
Editor > Open Library popup > Pages tab > scroll the page and find it or search for "Japanese Restaurant".



When you choose to insert the homepage template into your website, take note that this template is a 'Page', which you download from:

Similar to what we discussed about the homepage, the color combination that you'll find in the header and footer creates a delicate contrast, especially between the red and the black, which is a clear representation of the restaurant's vibe: combining traditional cuisine with a modern and trendy restaurant.

In terms of usability, this contrast helps website visitors notice the attractive 'Reservations' button that stands out boldly in the header. Ultimately, one of the website's main goals is to encourage visitors to make reservations, and a bright, inviting call-to-action button is a great way to make that happen.



#### **Header:**

WP left panel > Templates > Theme Builder > Add New > Choose "Header" > Library popup > scroll the page and find it or search for "Japanese Restaurant"

#### Footer:

WP left panel > Templates > Theme Builder > Add New > Choose "Footer" > Library popup > scroll the page and find it or search for "Japanese Restaurant"



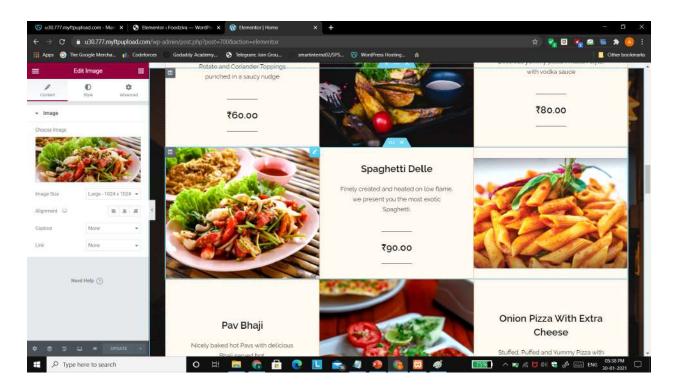
The navigation menu popup is an extension of the template's elegant red-orange color scheme. The contrast between the red and the black background is harmonious here, and the deep red coloring lets the delicate, lightweight menu items text stand out and be completely visible despite their thinness and modest size.

The Happy Hour pop up follows the same color scheme and styling of the navigation menu popup, yet repackages the content into

vertical form. What we focused on here is the precise information hierarchy, given that we are presenting a discount offer that might encourage users to come and try the restaurant even sooner than they had originally planned to.

Finally, the red-orange background is an astute reflection of what a happy hour represents: a refreshing, energetic experience that's meant to lift your spirits.

The Chef's Menu and Bar pages accentuate the colors, textures and uniqueness of the ingredients used in Okawari's authentic Japanese food creations. Abiding by the broken grid layout, the black background behind the detailed, rich food and drink photography gives the visitor a "so real you can touch it" kind of experience.

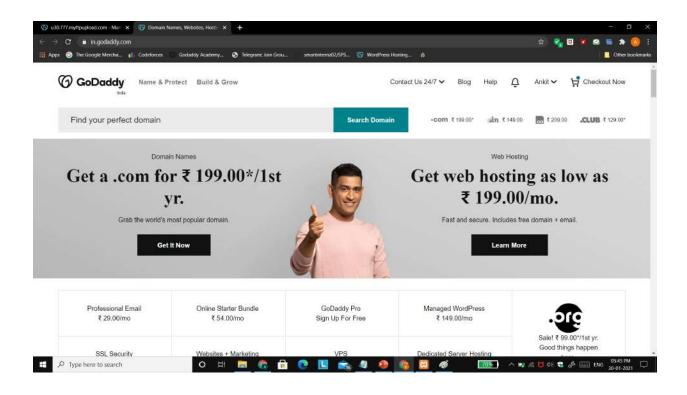


As on all of other pages, we used the chopsticks imagery as dividers

between different bodies of text as well as the red lines theme that matches both the color scheme of the salmon and the overall look of the website.

## 5.4 Create hosting space on Go Daddy:

We will create the hosting space on Go Daddy as:



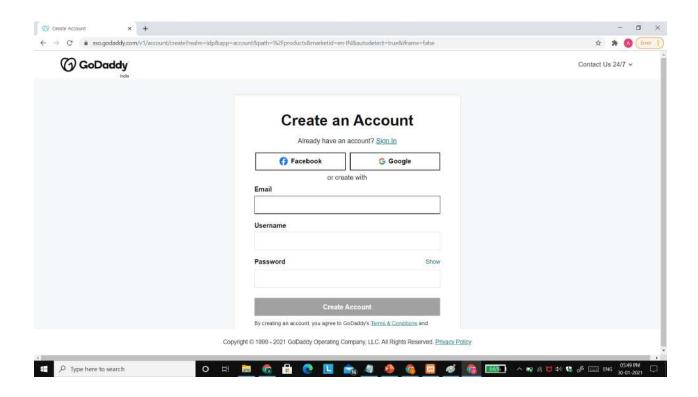
GoDaddy Inc. is an American publicly traded Internet domain registrar and web hosting company headquartered in Scottsdale, Arizona and incorporated in Delaware. As of June 2020, GoDaddy has more than 20 million customers and over 7,000 employees worldwide.

GoDaddy is the world's largest services platform for entrepreneurs

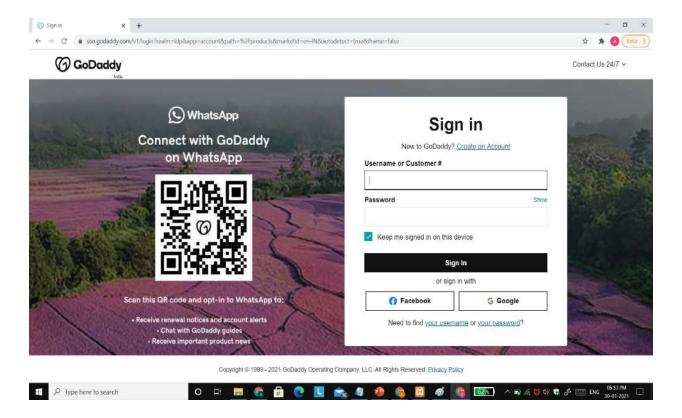
around the globe. We're on a mission to empower our worldwide community of 20+ million customers — and entrepreneurs everywhere — by giving them all the help and tools they need to grow online.

Get the most from your WordPress site with hosting designed to perform. From automated updates and backups to industry-leading load times, this is WordPress how it was meant to be.

#### 1. Create an account

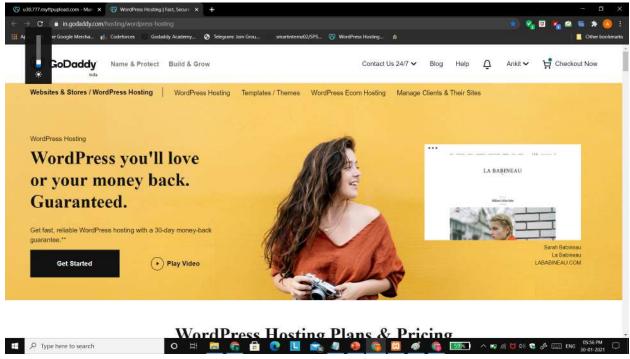


#### 2. Login to account

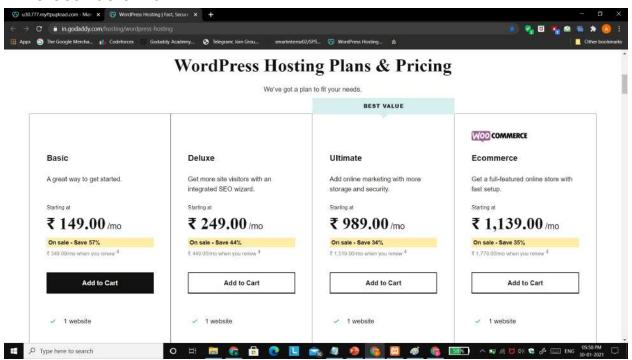


#### 3. Visit the Page:

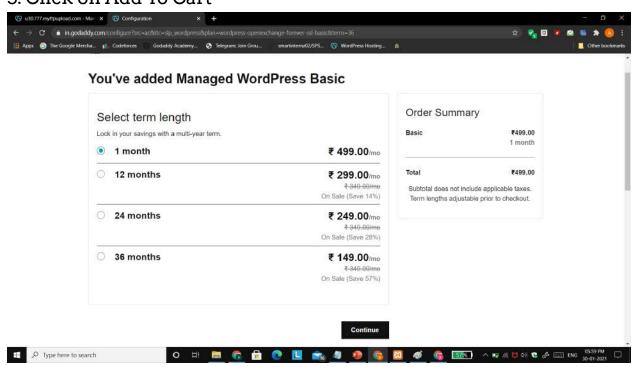
https://in.godaddy.com/hosting/wordpress-hosting



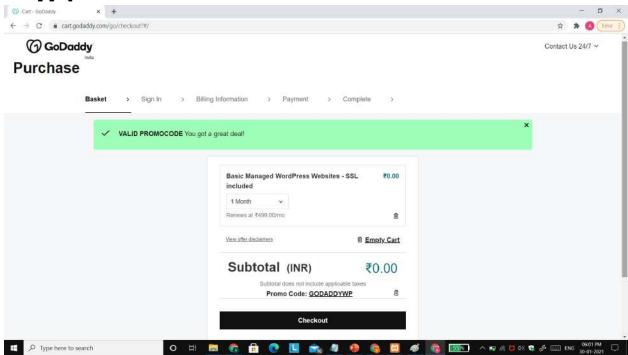
#### 4. Select Basic Plan



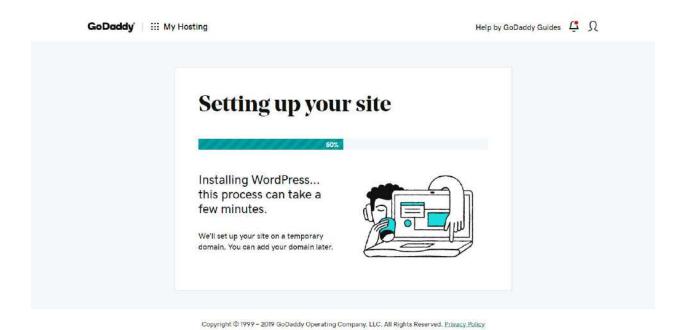
#### 5. Click on Add To Cart



6. Apply the PromoCode-: GODADDYWP



7. Click On Check Out And fill the details



8. After completing all steps you will redirect to Managed

XXIX

Wordpress page, after a few minutes.

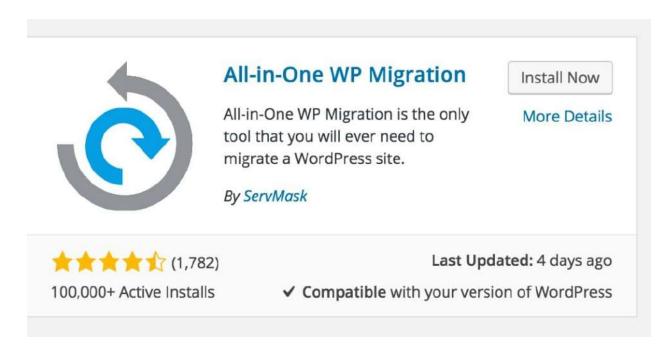


- 9. We will now install the wordpress on hosting.
- 10. After setting up wordpress, we will import the site.

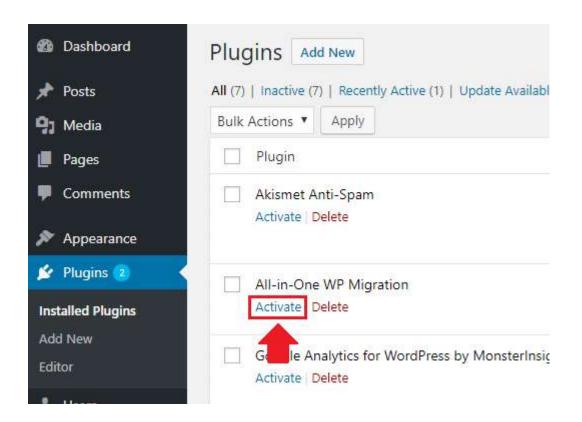
## 5.5 Transfer the site from localhost to online server:

1. We will add the WP-Migration Plugin as:

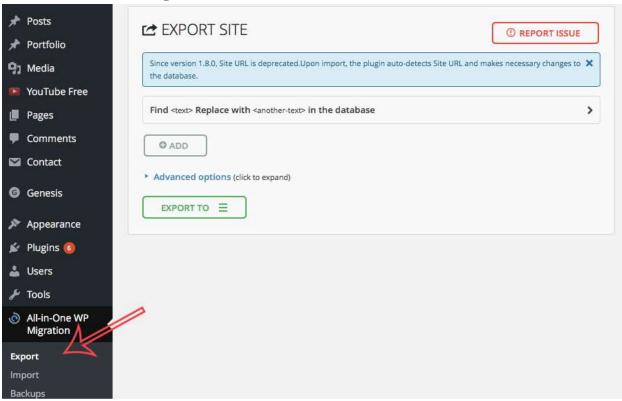




#### 2. Install and activate the extension



3. Then, we will export the site as:

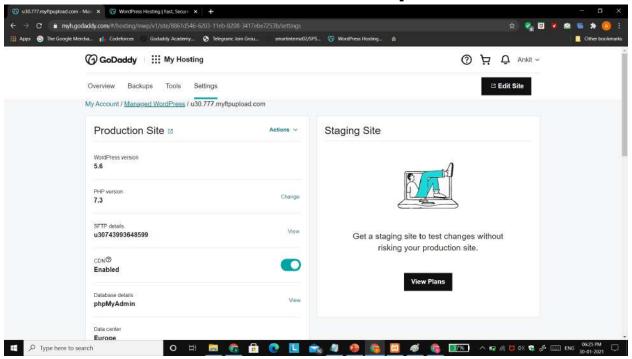


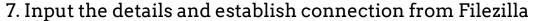
- 4. Export the templates to a file.
- 5. Now, install filezilla on local machine

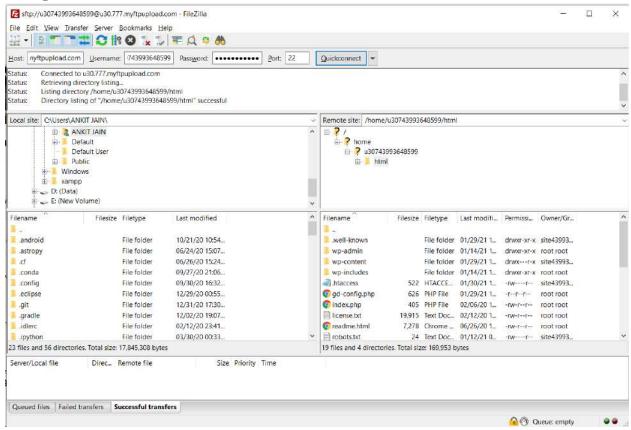




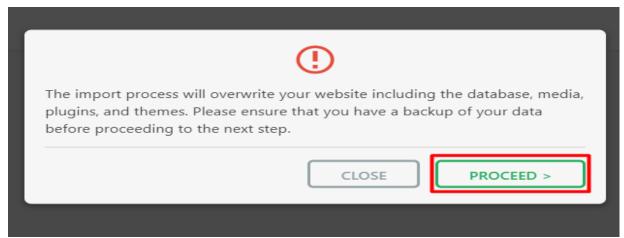
6. Check out the SFTP details from Go Daddy





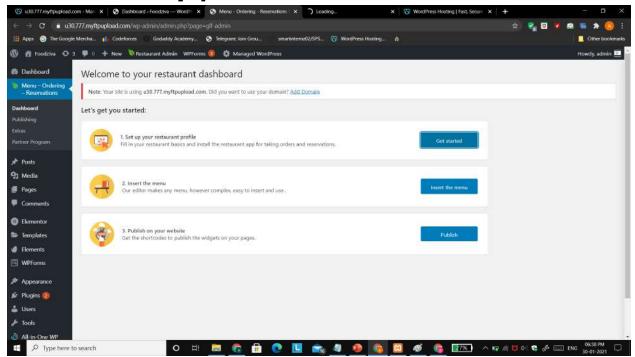


- 8. In the wp-content / aiwpn-backups, place the file.
- 9. After export is success, navigate to backups in hosted site and click on restore.



## 5.6 Embed the Online Payment Gateway:

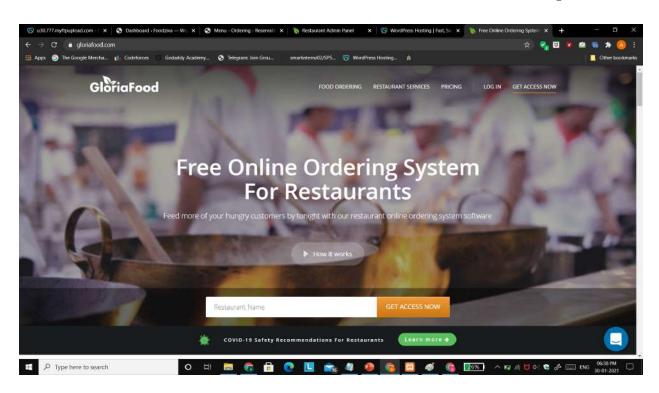
We will create the payment service as:

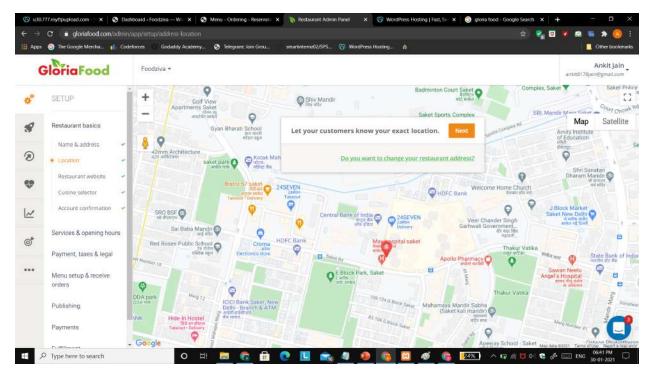


GloriaFood is an online ordering and food delivery platform that helps restaurant owners manage orders and streamline point-of-sale operations. ...

Additionally, it lets users receive automated notifications about new orders and accept/reject order requests as per food availability







# 6. Flow-Chart Of the Project:

# 6.1. Create flow:

The only thing needed here is to sign in to the system through browser and from any place where internet is available. Now he would have the option to edit his current information and big thing to reserve the meal diminishing the human interaction.

He would have today's menu (according to the time of delivery which he has entered) in front of him and he have the clear choices for order. He has variety of things to do here and have the option to cancel the order before the specific time of completion.

For the first time to access the system, customer has to give his key information like identification and so on.

For the management side, it is quite possible to book many orders concurrently. System will be able to book nearly infinite number of orders at a time. Management side has more updated information and they can get the currently booked orders through the browser and all automatically.

System will be able to deal with the customers who don't come to take there orders by blocking them and not letting them to signup again.

This is done by maintaining some information regarding the status of order and the relative customer. So according to that the system can deal him. How system deals with him..? He should have to pay the amount of the last order in order to continue with his

membership.

At Login page we will be checking the user's existence and mapping his userID/emailID with his password, if the user is valid then he is allowed to access further.

At Registration, it is checked that the userID/ emailID is not pre-existening, along with various general events/acts such as the customer had entered right format of the e-mail, or it is not entered NIL, all phone & mobile nos contain only the numbers, etc.

The option of password reminder is also included, so that when the user forgets his password then he can get a new password by giving his emailID, only if he already exists!!.

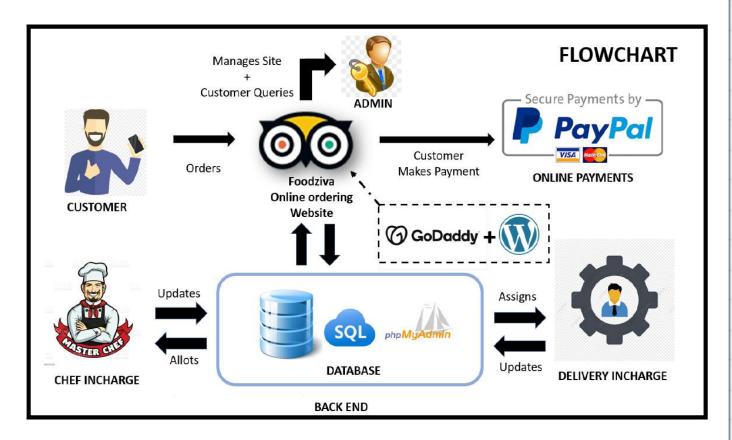
By the Management perspective, we will be imposing some prevailages so that only an authorized management staff/User can alter the contents of the site.

The system also traces which user had altered the contents of the site, as each user at the management side is provided with unique UserID.

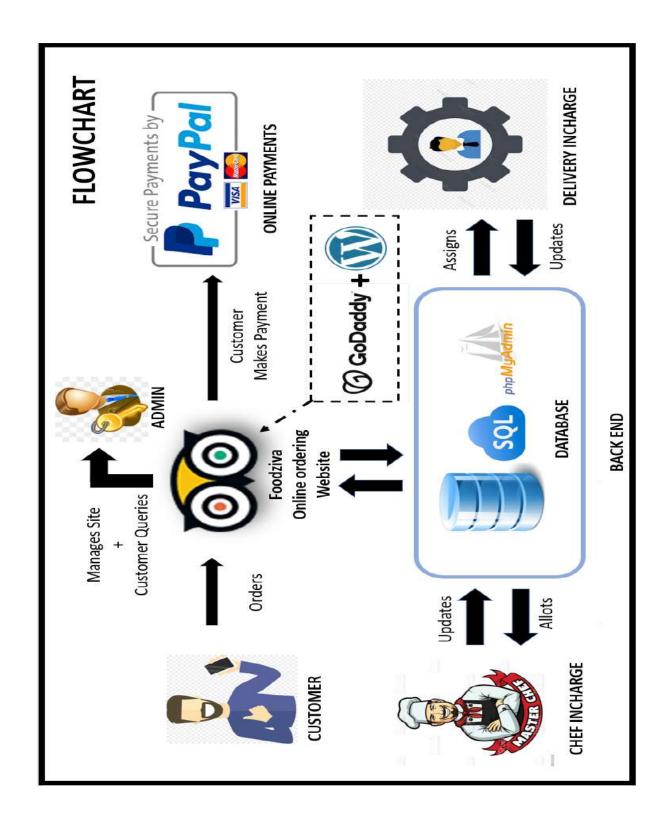
At the management side we have usually two types of the users, one the manager and the other is cook, the later can only alter or deal with the status of the ordered items, which he was given to complete. And the former can do all the updations required at the management side such as reassigning a cook, editing menu items, it's prices, descriptions, edit order status or can block some user if situation demands:

# 6.2 Flow-Chart Of The Website:

The flowchart is:



- 1. The diagram is based on design, using Wordpress.
- 2. The user interacts with the backend server via the app UI. The front end app UI is a engages the user in a conversation.
- 3. Dialog between the user and backend server is coordinated using a Online Hosted Website.
- 4. If the user asks a product operation question, a search query is passed to a predefined Admin section.
- 5. Online Payments Gateway is integrated in the application.



# 7. Result/Out-Come/Final Product:

# 7.1 Link Of the Deployed Site:

Finally our website integrates all the components and displayed in the browser by typing

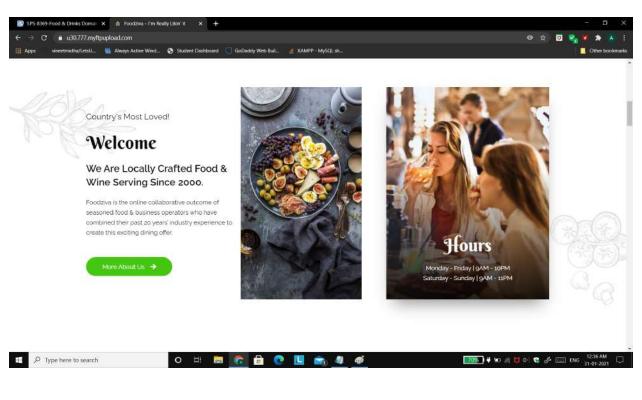
LinK: - https://u30.777.myftpupload.com/

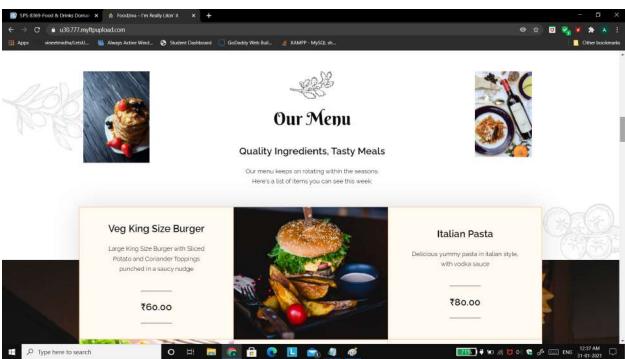
in browser.

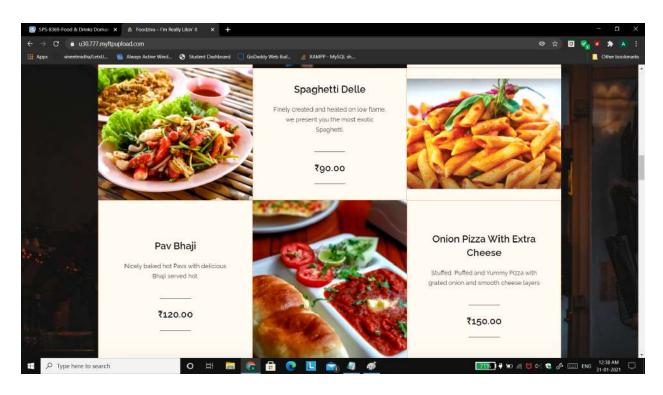
# 7.2 Images Of The Deployed ChatBot: (Used-Cases):

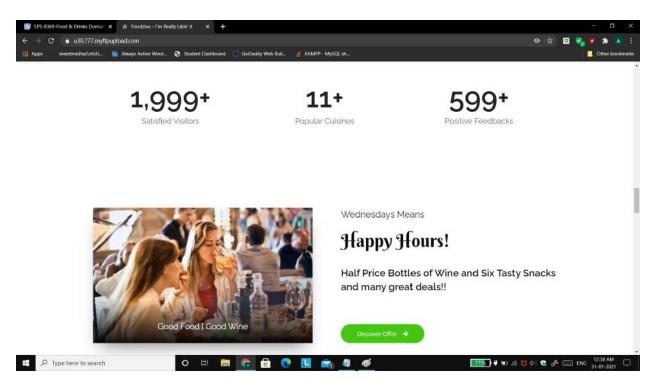
# <u>(a.) HOME PAGE:</u>

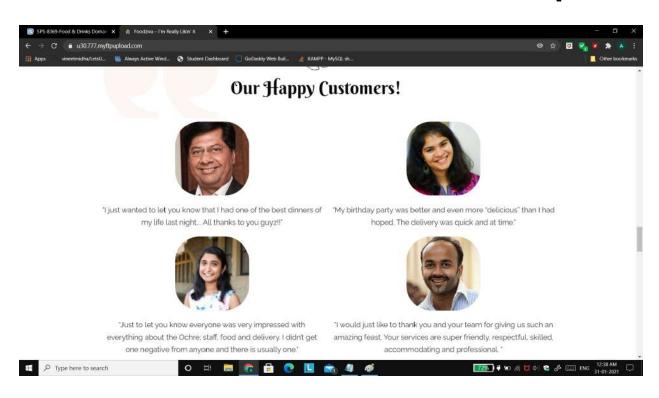




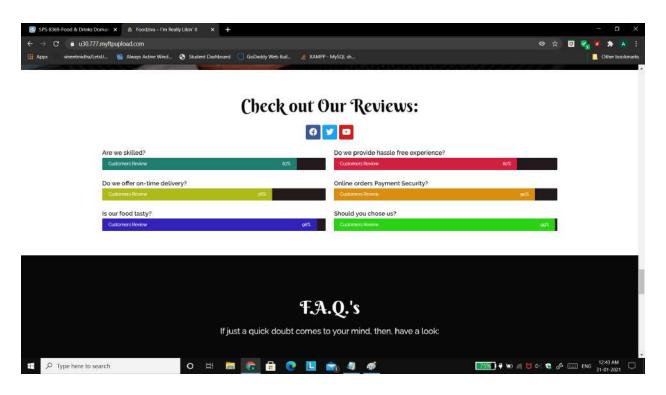


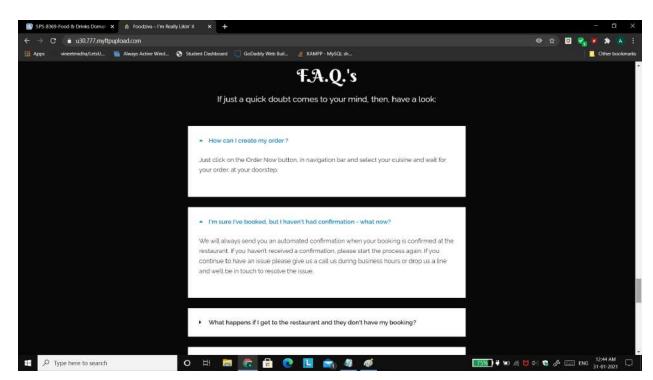


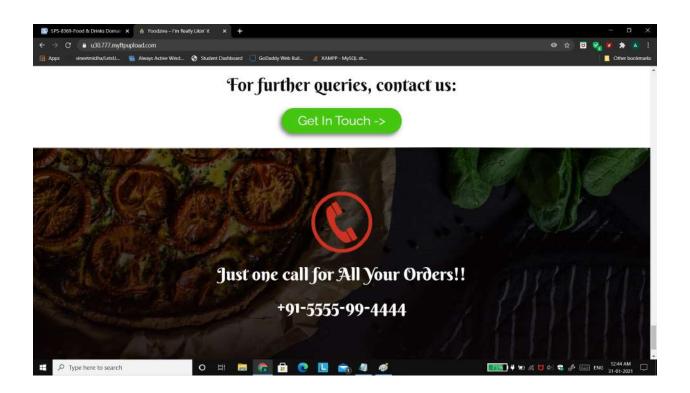






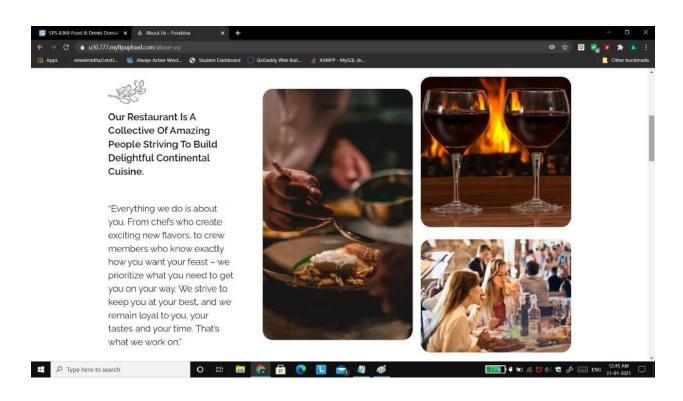




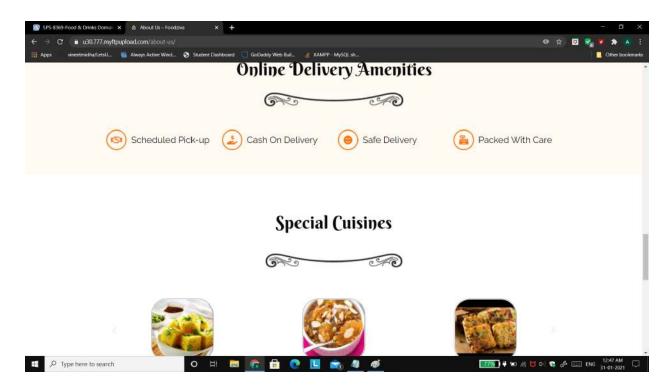


# (b.) ABOUT US PAGE:

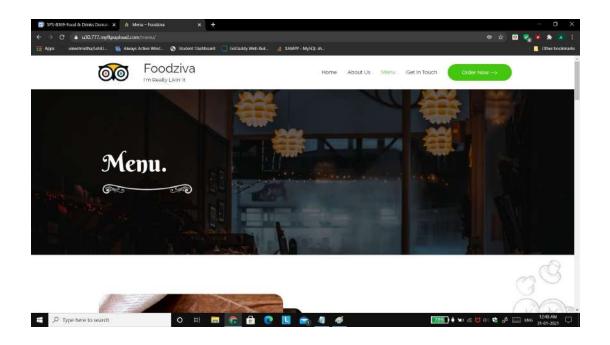


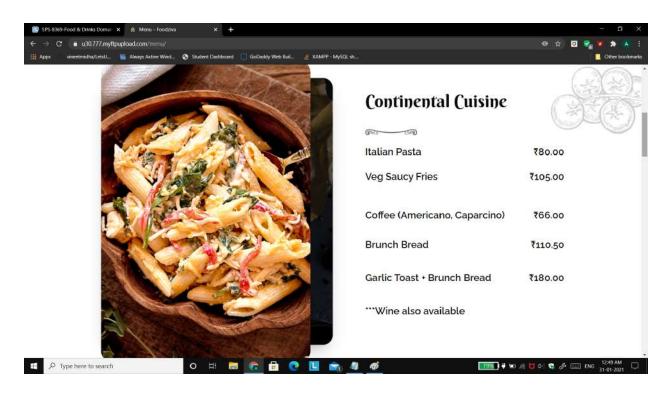


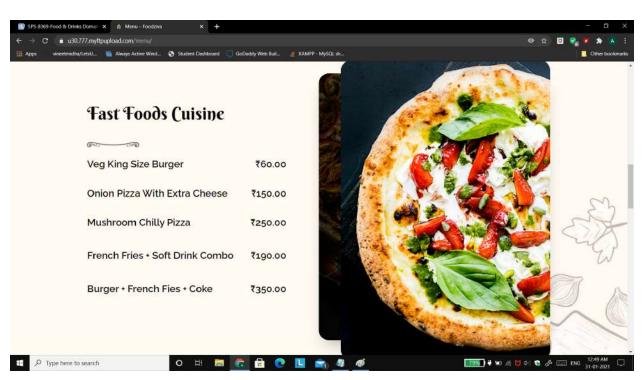


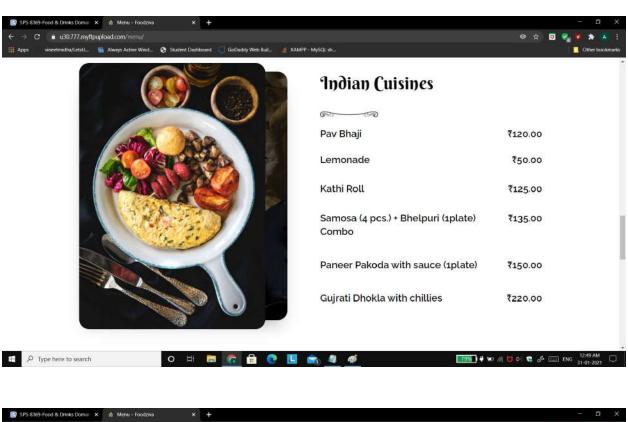


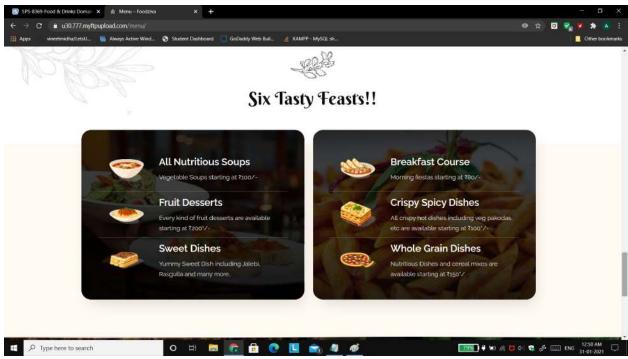
# (c.) MENU PAGE:



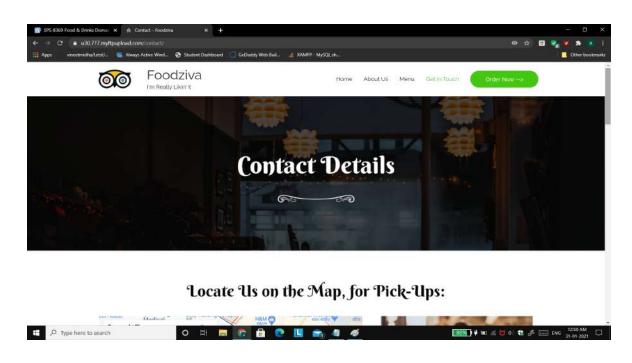


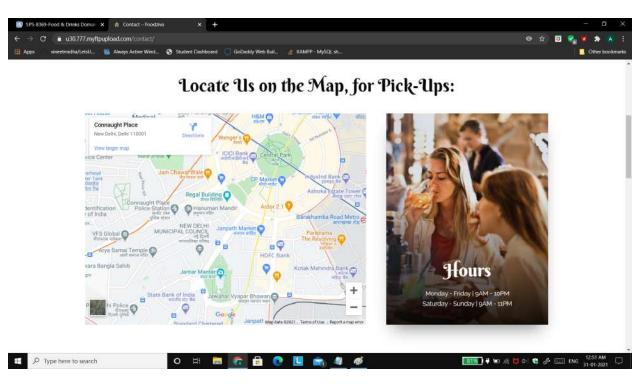


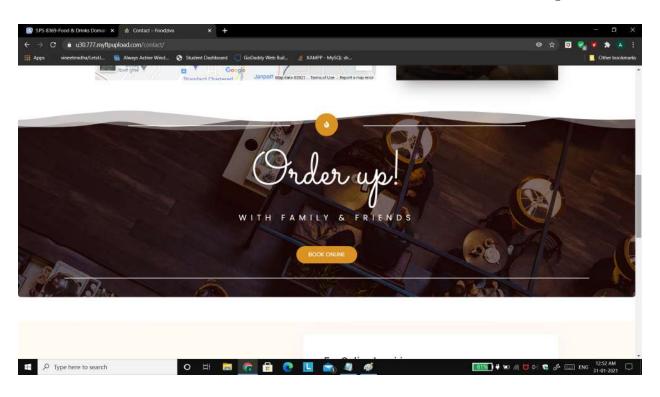


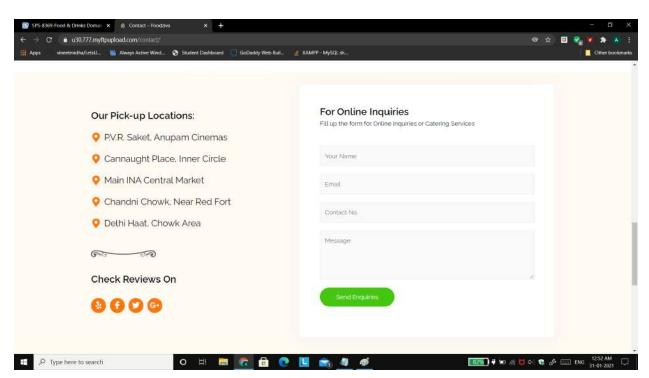


# (d.) CONTACT US PAGE:









# 8. Advantages & Disadvantages:

# 8.1 Advantages:

The advantages are as follows:

### 1. Workaholics, don't starve anymore

Being a profession-driven person, we afford to miss on our diet but never to miss on our deadlines.

## 2. Ladies, you can enjoy the parties too!

When you finally have your long awaited guests coming home; Ladies, you can quickly order delicious food items, single or many, with just a few taps on your mobile screen.

## 3. Urban restaurants, reach out to remote foodies

You captured the foodies of the complete city! Are you sure? Why not extend out the reach to the remote foodies.

### 4. Pinchpenny? get cashback

You love the restaurant food but you want to save money as well, don't worry. We have got discounts for you.

## 5. Reserve that dinner for your next gathering

Tired of facing the problem of last minute bookings and cancellations of the tables at the time of your gatherings.

# 6. Restaurant owners, smile ear-to-ear seeing profit graph

Is your restaurant located amidst ten other restaurants serving

similar cuisine of food? Are you worried about your profit seeing the competition?

# 8.2 Disadvantages:

The disadvantages are as follows:

### 1. Deliverymen put themselves in danger

Whether it is a heat wave boiling down the city or it is snowing or raining heavily, a

Delivery Boy is waiting outside the restaurant to pick and deliver your order.

### 2. Disguised increased expense

We surely get attracted by yummy-looking food's pictures on the app and a small but highlighting banner of cashback offer.

# 3. Revenue conflicts between the restaurants and delivery providers

Not every restaurant owner can afford to employ ten delivery boys and bear all the transport and remuneration expenditure; so, they choose to contract with the delivery service providers through these apps.

### 4. Juggling with your health

Another disadvantage of online ordering system for your restaurant is even though when you go to a restaurant you won't be seeing the material they use in that mouth-watering

Pasta dish that they bring at your table, still, you can get it replaced if you find any faults.

# 9. Applications:

• The application can be as

Here are the top 7 Advantages of Restaurant Management System and how it can improve business efficiency.

The benefits such as

- 1. Improve Customer Relationships
- 2. Tracking Sales
- 3. Automatic Analysis
- 4. Employee Satisfaction
- 5. Reduction of Errors
- 6. Enhanced Productivity
- 7. Effective Use of Human Resources

In the final analysis, the benefits mentioned above go a long way which helps a restaurant reach its potential.

Even the professional owners and managers can benefit from the help of this restaurant software.

Further, this software can help cover-up or eliminate the issues in your Advantages of Restaurant Management System processes.

Therefore, establishing restaurant management software is a more sensible, advantageous methods for operations of all sizes.

# 10. Conclusion:

Nowadays, many restaurants manage their business by manual especially take customer ordering. In traditional booking system, a customer has to go to restaurant or make a phone call in order to get his meal reserved. Today, restaurant waiter takes the customer ordering by manual system with using paper. Customer does some formal conversation like hello, hi, etc. Than he demands for today's menu and do some discussion over menu items then he orders. It takes 5 to 10 minutes to book the order and waiter book the order on paper so there is probability of lost and duplicates customer information. Restaurant management system puts the order in a queue with specific priority according to time and quantity, and than a cook is assigned for the specific order to complete it.

Besides, the restaurant waiter information also by manual system kept use paper and this is difficult for restaurant administrator to find waiter information, probability missing the paper and difficult to arrange the schedule. Initial problem is that the customer has to get connected over the phone, it would be harder if the restaurant is very popular and busy. Sometimes, waiter information and customer information is important to restaurant administrator for reference in the future. The chances of committing mistakes at the restaurant side in providing a menu list for a specific time would be more.

Furthermore, restaurant side needs management in the section menu. This is the important to restaurant waiter to manage the menu. As customer won't have the menu list with him, it would be harder for him to remember the entire list (with price as well...!) and come to a decision, i.e. customer is provided with less time to make

decision. Besides this section is for customer viewer the menu that restaurant prepared and make their ordering.

# 11. Future Scope:

We can include watson studio text to speech and speech to text services to access the service handsfree. This is one of the future scope of this project.

For future research can be guided to improve relevant results and response time. Simplification of integration of services can be achieved by reduction of api keys.

More attractive user-interface design can implement with help of wordpress dashboard.

There can be storage of responses so that every time it should not search for same answers to already asked questions. More features can be implemented that there can be direct change to flow.

# 12. Bibliography:

Below are the links that were referred to build the Chatbot:

- a. <u>To create meeting agenda</u>
- b. Tocreateproject scope document
- c. Knowing Slack

- d. Knowing Zoho Writer
- e. <u>Setting up XAMPP Server</u>
- f. Downloading Wordpress On Localhost
- g. Connecting XAMPP to Wordpress
- h. Creating A GoDaddy Account
- i. Migrating Website From Localhost
- j. Setting Up the Filezilla Service
- k. Importing the entire site
- 1. Online Payment Service

# 13. Appendix:

# 13.1 JSON CODE (HOME PAGE):

ISON Source Code:

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# -----END OF REPORT-----

