**CS424 Project Report**

**Team: FoodFinder**

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**Project participants and their contribution:**

• **Sapna Bohra :**

Contribution:

• Developed entire Home Page, header and footer with navigation bar, search and login button for our website using HTML and CSS.

• Developed Login page and added form validation checks to it using Java Script.

• Added some cool features to the header like animations in search and login button on hover using CSS.

• Created footer i.e navigation bar for the overall website using HTML and CSS.

• Created individual pages for Login, contact and about, for website.

• Applied all the form validation checks for login and contacts using JavaScript.

• Developed html pages for About us, contact us which also has few form validation checks.

• Developed individual restaurant pages for 2 cities Chicago and Vegas.

• Added geolocation functionality to individual restaurant page.

• **Reema Balaraman:**

Contribution:

• Developed the original design of entire website ,home page ,city and individual restaurant page of website using html, css , Java Script and Jquery

• Proposed the image dominant approach for the website .

• Created individual city page(styling,structure, design pattern) and added image flip affect on individual city page for showing information

• Created individual restaurant pages(styling,structure, design pattern) and added menu,photos and integrated rain and testimonial/review sections on individual restaurant pages .

• Developed the entire backend for website including database using JSON,MongoDB,node.js and express.

• Implemented single SISO login/register real time functionality .

• Implemented search functionality and storing user activities such as rating and reviews into db and display of the same on individual restaurant pages .

• Implemented real time restaurant rating feature of restaurant website with calculating average user rating on each restaurant based on total users.

• Performed end -to- end application testing with real data .

• Created mock up documents and maintained trello board updation .

• Set up bitBucket repository and worked on refactoring , folder structuring and fine tuning of the code.

• **Shefali Malhotra:**

Contribution:

• Developed individual restaurant pages for Los Angeles, New York and San Francisco.

• Added menu option and menu pages with slider for all restaurant pages.

• Added photo gallery navigation for all restaurant pages.

• Created mock up documents and maintained trello board updation .

• Made all our power point slides during Dev week as well as for Final demo.

• Worked on improving overall view of our website.

**Abstract**

**FoodFinder** is a website for food discovery space with best restaurants in some of the Metropolitan cities of United States. The website aims at helping users to find best place to have their meal and to make eating out more convenient, we hope to answer one single question that keeps cropping up in everyone’s head all the time - What should I eat and where? Our vision is to make sure that our users never have bad meal. With presence across 6 cities in the country and a view to expand more in future, FoodFinder is gunning not to occupy a vacant space in the market, but do what it's best at, create a new one! The FoodFinder has a simple motto: "Enjoy what you eat!"

**Why Food Finder ?**

During first few lectures of this semester on front end designing we were asked to choose a topic of our project. We all started scratching our heads to come up with the best ideas. All our team members are new to US, and we all have struggled to find the best place for dining here. And sites like Zomato, Yelp and open table helped us a lot. We have wondered how these websites maintain so much of real time data regarding thousands of restaurants. So we thought let’s develop a restaurant finding website which will not only help us learn front end designing but also, who knows we may develop a restaurant finding website ourselves. We knew it was not going to be easy at this point to develop a fully working website as we lack in experience and also it would need lots of data as well as hard work. But still we were inspired to make one and we chose FoodFinder.

**Design considerations**

From the beginning of brainstorm sessions and requirement gathering sessions , we always wanted to create a user interactive website . Initial concept was built on our basic knowledge on CSS ,HTML and bits of JS . We planned a dark/night theme outlook for the entire website.We went on with the concept of “Photography is Everything” because as a visitor to a restaurant website, our primary interest is very likely going to be food. You have to sell visitor on the product, and photography is the way to do it.

*Requirement Gathering* :

We started with taking up 6 top cities of US and showing 6 restaurants for each cities using image as navigation mode . We researched through a lot of sites for appropriate images that fit our website theme and design.Apart from images the information gathering like location,cuisine,operating hours etc regarding each chosen restaurants were out next step .

*Initial Design* :

1. Home Page showing select top 6 cities with images acting as navigation .

2. Components to be placed on HomePage : *Header*;Name and logo ,Login link, search option ,*Footer* ;About Us,Contact Us,Copyright,Link to HomPage.

3. Individual City Page showing selected 6 restaurants along with important quick information about the restaurants like location,rating,cost for two and a section to show trending food or restaurants .

4. Individual Restaurant Page showing all necessary information about that particular restaurant. At any point of time visitors will want a few specific pieces of information:

• What do they serve? (menu and graphics)

• How much does it cost? (menu)

• What is the place like? (graphics and video)

• Where is it?

• What’s the phone number?

Along with the details we wanted to provide user interactions by integrating rating and testimonial/writing review of the restaurant .

*Reference/Inspiration sites*:

For front end technologies :Mainly Dr.Hayward notes. ,http://w3schools.com.

For design ideas and general approach : We referred top restaurant search engine websites like zomato.com and yelp.com which provided us a basic theme and logic behind such restaurant search websites .

*Goal of HomePage/Website* :

First and foremost goal of our homepage is communication i.e to connect users/visitors with our service of providing users a food discovery space . Our logo on home page says what our website has to offer .The goal of a homepage should be in a way that compels visitor to dig into the website .So the body our website has slide show which shows available cities at a glance without giving restaurant details . For restaurants details users have to navigate to next page .

Highlight of any website search engines would be a display of trending restaurants and dishes which will encourage users to fetch further more details of the same. Hence our home page displays/lists highly rated restaurants and dishes which are in demand. Easy-to-flow navigations are essential for an effective homepage for better communication and also to reduce bounce rate in real time . Therefore we provided all important navigation on header and footer and the supporting images on homepage conveys the purpose.

**Limitations**

• Our website structure doesn’t work properly in case of window resizing. We discovered it during our presentation but due to lack of time we couldn’t fix it.

• We only have 6 city options available.

• We changed few things after final presentation that are applied to only Chicago city. Due to lack of time we were not able to apply on all restaurant pages because we have 36 individual restaurant pages . So for demo purpose Chicago city has all of our websites functionalities .

• Review of only one user is displayed at a time we tried to display multiple reviews but it didn’t work.

**Conclusion**