

FOOD-O-MANIA

Minor Project Synopsis

BACHELOR OF TECHNOLOGY Information Technology

Submitted By:-

Mehak Gupta, Sakshi Bhumbra, Nitika Uppal

CRN:-

1921064, 1921091, 1921074

URN:-

1905363, 1905391, 1905371



GURU NANAK DEV ENGINEERING COLLEGE
LUDHIANA, 141006, INDIA

Contents

1. Introduction
2. Objectives
3. Feasibility Study
4. Methodology
5. Facilities required for proposed work
6. References

1 Introduction

Food o Mania, its a MERN stack based project by which we can do food blogging. Food blogging is a feature of food journalism interlinking a gourmet interest in food, blog writing, and food photography. Food blogs are generally written by food enthusiasts often referred to as a “foodies” and can be used commercially by the blogger to earn a profit.

Blogging is a common marketing and brand development tool for restaurants, catering companies, meal delivery services, private chefs, and other food and beverage businesses. Businesses often choose influential bloggers in the market, or ”influencers”. In this we created a login and register page by which user can login its account and if it is new, then he/she can register to their account. After login we will come to the home page where we can see the options such as contact us, about and write. By clicking on the write option we can write our blog and can add pictures related to that and further we can update and can delete our blog. All this information is recorded at backend in our database mongodb. On Home page we can see the various blogs or posts that shared by different users for eg. recipies, or any foodie that shared his/her passion for his food by his post he shared.

1.1 Why food blog?

- 1 Allow you to meet a community of like-minded individuals.
- 2 Allow you to share that recipe everyone always asks you for.
- 3 Potentially open doors and career opportunities!

1.2 Technology used

MERN Stack is used:

MongoDB—the database

Express—the web framework

ReactJS—the front-end framework

NodeJS-the web server

1.3 Rationale

Express yourself and your passion for food. This is the number one reason I hear from people. You probably already take photos of food, talk with friends about meals, watch cooking shows on television, send and receive recipes, attend food festivals, and are basically food obsessed. There’s a need to chronicle some of it.

Educate people about what you’ve learned. If you are a voracious learner, a food blog showcases your obsessions in an enthusiastic manner, with like-minded readers. You’ll form a community and tribe.

Make money. Whoa. I put this last motivation in because there is so much focus lately on “monetization.” You can start your food blog with ads, but not much income will follow until you build up a big audience

2 Objectives

- To provide features like adding different categories to provide user an ease in accessing different recipes as per their need.
- To enhance the usability for the users by providing them a user friendly user interface using React and Node Js.
- To record all the activities of active users simultaneously at backend MongoDB.

3 Feasibility Study

A feasibility study is an analysis of how successfully a project can be completed, according for factors that affect it such as economic, technological and operational. Project managers use feasibility studies to determine potential positive and negative outcomes of a project before investing a considerable amount of time and money into it.

- Identify the origin of data at different levels of the system
- Identify the expectation of end user from the finished system
- Analyse the drawbacks of the existing system

A. Economical Feasibility

This is a very important aspect to be considered while developing a project. We decided the technology based on minimum possible cost factor.

- All hardware and software cost has to be borne by the organization.
- Overall we have estimated that the benefits the organization is going to receive from the proposed system will surely overcome the initial costs and the later on running cost for system.

B. Technical Feasibility

This included the study of function, performance and constraints that may affect the ability to achieve an acceptable system. For this feasibility study, we studied complete functionality to be provided in the system, as described in the System Requirement Specification (SRS), and checked if everything was possible using different type of frontend and backend platformst.

C. Operational Feasibility

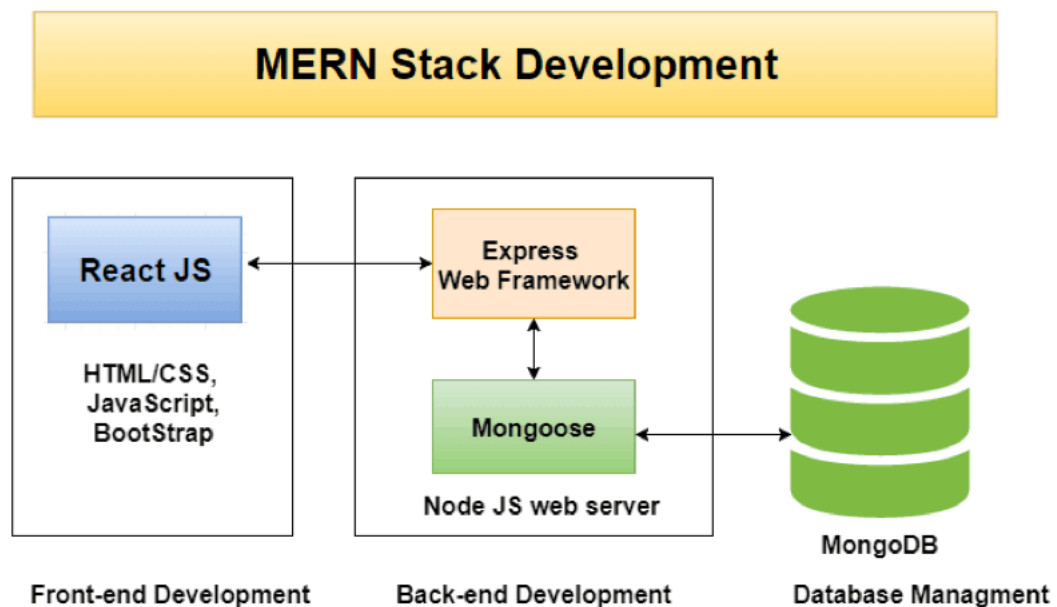
No doubt the proposed system is fully GUI based that is very user friendly and all inputs to be taken all self-explanatory even to a layman. Besides, a proper training has been conducted to let know the essence of the system to the users so that they feel comfortable with new system. As far our study is concerned the clients are comfortable and happy as the system has cut down their loads and doing.

4 Methodology

MVC (Model-View-Controller) is a pattern in software design commonly used to implement user interfaces, data, and controlling logic. It emphasizes a separation between the software's business logic and display. This "separation of concerns" provides for a better division of labor and improved maintenance. Some other design patterns are based on MVC, such as MVVM (Model-View-Viewmodel), MVP (Model-View-Presenter), and MVW (Model-ViewWhatever).

The three parts of the MVC software-design pattern can be described as follows:

- Model: Manages data and business logic.
- View: Handles layout and display.
- Controller: Routes commands to the model and view parts.



4.1 Frontend and Backend Selection

An important issue for the development of a project is the selection of suitable front-end and back-end. When we decided to develop the project we went through an extensive study to determine the most suitable platform that suits the needs of the organization as well as helps in development of the project.

4.2 Front-end selection:

1. It must have a GUI that assists employees that are not from IT background.

2. Scalability and extensibility.
3. Flexibility.
4. Robustness.
5. Platform independent.
6. Easy to debug and maintain.
7. Event driven programming facility.

According to the above stated features we selected ReactJS as the front-end for developing our project as React allows to create reusable components. It uses component and data patterns that improve readability and helps to maintain larger apps.

4.3 Back-end Selection:

1. Multiple user support.
2. Efficient data handling.
3. Provide inherent features for security.
4. Efficient data retrieval and maintenance.
5. Stored procedures.
6. Operating System compatible.
7. Easy to install.
8. Easy to implant with the Front-end.

According to above stated features we selected MongoDB as the backend for storing our data securely. MongoDB is an open source database that is designed to store large scale of data and allows to work with data very efficiently.

In this project, a user can see what other's post and do comment, like and share. Infact the user can post his/her food story. For that user has to register first and if already registered user has to login with his/her previous login credentials. The system will fetch the user details from the MongoDB database. After successful login, the user can freely post anything related to food. In this we have added different sections for different food cuisines like Indian, Chinese, Continental and many more...

5 Facilities required for proposed work

- VSCode is a text editor and source code editor that provides an environment for developing
- Operating system (windows 7 or above, MacOS, Linux)
- MongoDB is an open-source document database and leading NoSQL database.
- Node.js v17 / NPM 6.0.0
- React JS 18.0.0
- Express JS 4.17.3

6 References

- <https://www.mongodb.com/docs/realm/schemas/>
- <https://expressjs.com/en/guide/routing.html>
- https://www.w3schools.com/whatis/whatis_fullstack_js.asp
- <https://getbootstrap.com/>
- <https://reactjs.org/tutorial/tutorial.html>