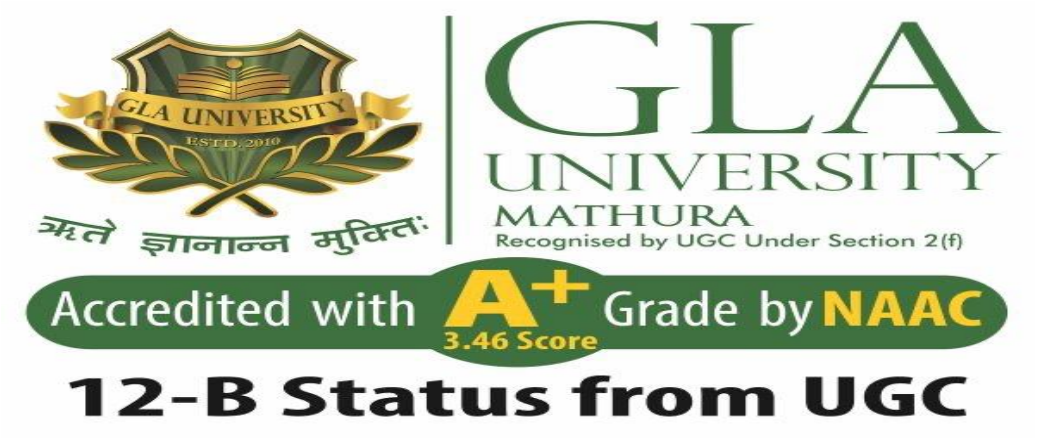
# Mini-Project Synopsis

# Food Street Website





## Submitted To:

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# DECLARATION

We hereby declare that the project work entitled **"Food Street Website"** submitted to the GLA University, is a record of an original work done by the team under the guidance of our mentor **Mr. Mandeep Singh (Technical Trainer)** and this project work is submitted in the partial fulfilment of the requirements for the award of the degree of Bachelor of Technology in Computer Science & Engineering.

We, the team behind the Food Street Website project, also declare our commitment to creating an engaging and informative online platform for food lovers around the world. Our goal is to provide a comprehensive resource for exploring, discovering, and experiencing various cuisines, restaurants, food vendors, and street food from different countries and regions.

We will ensure that the website is visually appealing, responsive, and accessible across different devices, making it convenient for users to access and use on desktops, tablets, and mobile devices.

And the results embodied in this thesis have not been submitted to any other University or Institute for the award of any degree or diploma.

# ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the synopsis of the Mini-Project undertaken during B. Tech III Year. We would like to express our gratitude to all those who have supported us in the development of the Food Street Website project. We acknowledge the contributions and assistance of the following individuals and entities:

1. Our project mentor **Mr. Mandeep Singh (Technical Trainer)** for their support and guidance throughout the project's lifecycle and for their guidance and mentorship, providing us with the knowledge and skills necessary for this project.
2. Our team members for their dedication, creativity, and hard work in designing, developing, and testing the website.
3. The open-source community for providing frameworks, libraries, and tools that were utilized in the development of the website.
4. Our professors, instructors and friends for their support, encouragement, and understanding during the project's demanding phases.

We would like to express our sincere appreciation to all the above, as well as any other individuals or entities who have contributed to the development of this project. Thank you for your valuable support and encouragement in making this project a reality.

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# INTRODUCTION

Welcome to the Food Street Website, your one-stop destination for exploring, discovering, experiencing, and ordering delicious food from the comfort of your home! Our website is designed to be a comprehensive online food delivery platform that brings together food lovers and food vendors, providing a seamless and convenient way to satisfy your cravings with just a few clicks.

At Food Street Website, we understand that food is not just about dining out, but also about enjoying a wide variety of cuisines from the comfort of your own home. Our platform allows you to explore different cuisines, restaurants, and food vendors in your local area, and conveniently place orders for delivery or pickup.

With our user-friendly interface, you can easily browse through a wide selection of restaurants and food vendors, view their menus, prices, and special offers, and place orders based on your preferences. We also provide real-time order tracking, so you can know exactly when your food will arrive at your doorstep.

The Food Street Website project is developed using modern web technologies, ensuring a seamless and secure online ordering experience. Our team is committed to providing a high-quality, reliable, and user-friendly platform that makes ordering food at home a delightful experience.

So, whether you're craving your favourite comfort food, exploring new cuisines, or looking for food inspiration, Food Street Website is your go-to destination for satisfying your taste buds, right from the comfort of your home. Welcome to Food Street Website, where food delivery meets culinary exploration!

# OBJECTIVE

The Food Street Website project has the following objectives:

1. Provide a comprehensive online platform: The main objective of the project is to create a user-friendly website that serves as a comprehensive platform for exploring, discovering, experiencing, and ordering food from local restaurants and food vendors. The website aims to provide a seamless and convenient online food delivery experience for users, allowing them to browse through different cuisines, restaurants, and food vendors, view menus, prices, and special offers, and place orders based on their preferences.
2. Celebrate the diversity of global cuisines: The project aims to showcase the richness and diversity of global cuisines, providing users with information about different cuisines, their origins, history, ingredients, and popular dishes. By celebrating the cultural diversity of food, the project aims to promote food appreciation and understanding among users, and encourage them to explore and try new flavours and culinary experiences.
3. Utilize modern web technologies: The project aims to leverage modern web technologies to develop a high-quality, functional, and visually appealing website that provides a seamless user experience. The website will be responsive, accessible, and secure, ensuring that users can access and interact with the platform across different devices and browsers with ease. The project also aims to implement reliable online ordering and payment processing functionalities, ensuring a smooth and secure transaction process for users.
4. Deliver a reliable and user-friendly platform: The project team is committed to delivering a reliable and user-friendly platform that meets the needs and expectations of the users. The website will be regularly updated with accurate and up-to-date information about restaurants, food vendors, menus, prices, and special offers. The team will also monitor and respond to user feedback and concerns, and continuously improve the platform to enhance user satisfaction.

   Overall, the main objectives of the Food Street Website project are to provide a comprehensive online food delivery platform, celebrate the diversity of global cuisines, foster community engagement, utilize modern web technologies, and deliver a reliable and user-friendly platform that enhances the food ordering experience for users.

# MOTIVATION

The Food Street Website project is motivated by the following reasons:

Convenience: The fast-paced modern lifestyle has increased the demand for convenient ways to order food. The project aims to provide a seamless and convenient online food delivery platform that allows users to order their favourite food from local restaurants and food vendors, without the need to leave their homes. The convenience factor motivates the project to create a user-friendly website that simplifies the food ordering process and enhances the overall dining experience for users.

Technological Advancements: The advancements in web technologies have revolutionized the way we interact with online platforms. The project aims to leverage modern web technologies to develop a high-quality, functional, and visually appealing website that provides a seamless user experience. The motivation is to create a platform that utilizes the latest technological tools and techniques to enhance the food ordering process, provide real-time information, and ensure a secure and reliable transaction process for users.

User Satisfaction: Ultimately, the motivation behind the Food Street Website project is to deliver a user-friendly platform that meets the needs and expectations of the users. The project team is driven by the goal of providing a reliable and user-friendly platform that enhances the food ordering experience for users, allowing them to easily browse, explore, and order food from local restaurants and food vendors, and enjoy delicious meals in the comfort of their own homes.

# PROBLEM STATEMENT

The food industry has been rapidly evolving with the increasing popularity of online food ordering and delivery services. However, there is a lack of comprehensive and user-friendly websites that provide accurate and up-to-date information about food streets, which are popular hubs for diverse culinary experiences. Existing food street websites often lack key features, such as the diversity of global cuisines, door step delivery experience for users.

This project aims to address these limitations by developing a Food Street Website that provides an enhanced online dining experience for users.

The Food Street Website will be developed using modern web technologies, including responsive design for seamless access on various devices, and will be optimized for performance and security. User feedback will be collected and incorporated into iterative improvements to enhance user satisfaction.

The successful completion of this project will result in a user-friendly and comprehensive Food Street Website that enhances the online dining experience, promotes local food culture, and encourages exploration of diverse culinary offerings in food streets.

# DETAILS ABOUT THE HARDWARE AND THE SOFTWARE

Software and hardware requirements: -

- A Mac, Linux, or Windows 10 or Windows 11 computer
- An internet connection
- A web browser like Chrome or Microsoft Edge
- Integrated Development Environment (IDE)

Frontend and Backend -

- FRONTEND – HTML, CSS, BOOTSTRAP, JAVASCRIPT
- BACKEND – FIREBASE

# PROJECT DESCRIPTION

The Food Street Website is an innovative online platform that aims to revolutionize the way food enthusiasts explore, discover, and experience food streets. The website is designed to provide a comprehensive and user-friendly platform that promotes local food culture and encourages culinary exploration.

The website's main features include:

Vendor Profiles: Detailed vendor profiles are available on the website, providing comprehensive information on the food vendors operating in food streets. Users can access vendor profiles that include details such as cuisine types, pricing, ratings, and reviews. Real-time reviews from verified users ensure the reliability and authenticity of the information, helping users make informed dining decisions.

Online Delivery System: The website incorporates a robust online delivery system that streamlines the process of ordering food from vendors on the platform. Users can browse through vendor menus, customize their orders, and place them for delivery or pickup. The system also allows for real-time tracking of orders, providing users with accurate updates on the status of their deliveries.

Authentication and Authorization: To ensure security and privacy, the website includes robust authentication and authorization mechanisms. Users can create accounts with secure password encryption and multi-factor authentication options for added security. Vendors are verified and authenticated to ensure the reliability and authenticity of their profiles. Role-based access control (RBAC) is implemented to manage user roles and permissions, ensuring that only authorized users have access to certain features and functionalities.

• Sign-up - The sign-up page allows a user to create an account by their credentials to gain access to application

• Sign- in - The login page allows a user to gain access to an application by entering their username and password. A user navigates to an application and is presented with a login page to gain access to the application. There are two possible results:

• Authentication is successful and the user is directed to the application landing page.

• Authentication fails and the user remains on the login page. If authentication fails, the screen should show an informational or error message about the failure

Secure Payment Gateway: The website includes a secure payment gateway that allows users to make online payments for their food orders. The gateway is integrated with trusted and reliable payment processors, ensuring the confidentiality and integrity of user payment information. Multiple payment options, such as credit cards, digital wallets, and cash on delivery, are provided to cater to user preferences and convenience.

Responsive Design and Modern Technologies: The website is developed using modern web technologies such as HTML5, CSS3, and JavaScript, ensuring a responsive design that adapts

to different screen sizes and devices. The use of frameworks like React while in back-end firebase is used.

Overall, the Food Street Website is a comprehensive and user-friendly platform that enhances the online dining experience, promotes local food culture, and encourages exploration of diverse culinary offerings in food streets. With its interactive map, detailed vendor profiles, online delivery system, authentication and authorization mechanisms, social media integration, secure payment gateway, and modern technologies, it provides a seamless, convenient, and secure platform for food enthusiasts to discover, explore, and enjoy the culinary offerings of food streets.

## Modules of the Food Street website:

- ✓ Sign in page: This page is for all the users who registered themselves already.
- ✓ Sign Up page: This page is for all the new users who want to register themselves to access the facilities of the website.
- ✓ Home Page: The home page is the first impression for visitors to your food street website. It should feature an attractive layout with high-quality images, an introduction to your food street, and any special promotions or events you may have.
- ✓ Menu: A dedicated menu page that showcases the variety of dishes offered at your food street. You can categorize the menu items by type of cuisine, dietary preferences, or meal times (breakfast, lunch, dinner) to make it easy for visitors to navigate and find what they're looking for.
- ✓ About Us: An "About Us" page that provides information about the history, vision, and mission of your food street. You can also include details about the chefs, the ingredients you use, and any unique selling points that set your food street apart from others.

# WORKING METHODOLOGY OF THE PROJECT

The working methodology of the project is very simple and easy to understand. The project is developed using the MERN stack. The MERN stack is a collection of JavaScript-based technologies used for developing web applications.

The project consists of two parts: the front-end and the back-end.

The front-end of Food Street website is implemented using React, HTML, CSS and JavaScript and the back-end is implemented using Firebase. The front-end of the application is responsible for the user interface and the user experience. It handles all the user input and output, and it communicates with the back-end. The back-end of the application is responsible for the data storage.

Completion of the project would take around 2 to 3 weeks.

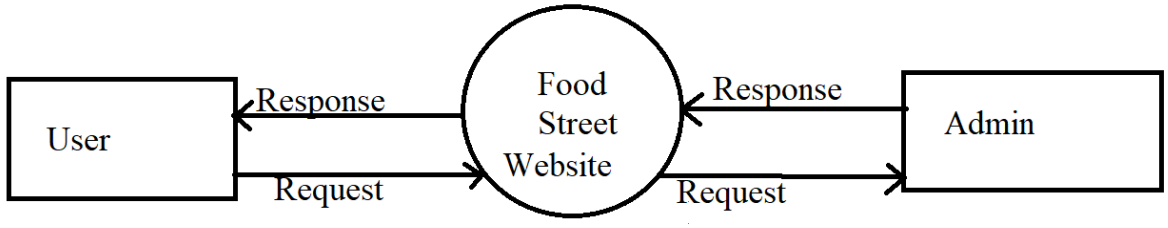
Week 1: In the 1st week, we would be working on the development and designing of the project.

Week 2: In the 2nd week, we would be working on the development and designing of the project as per the client requirements.

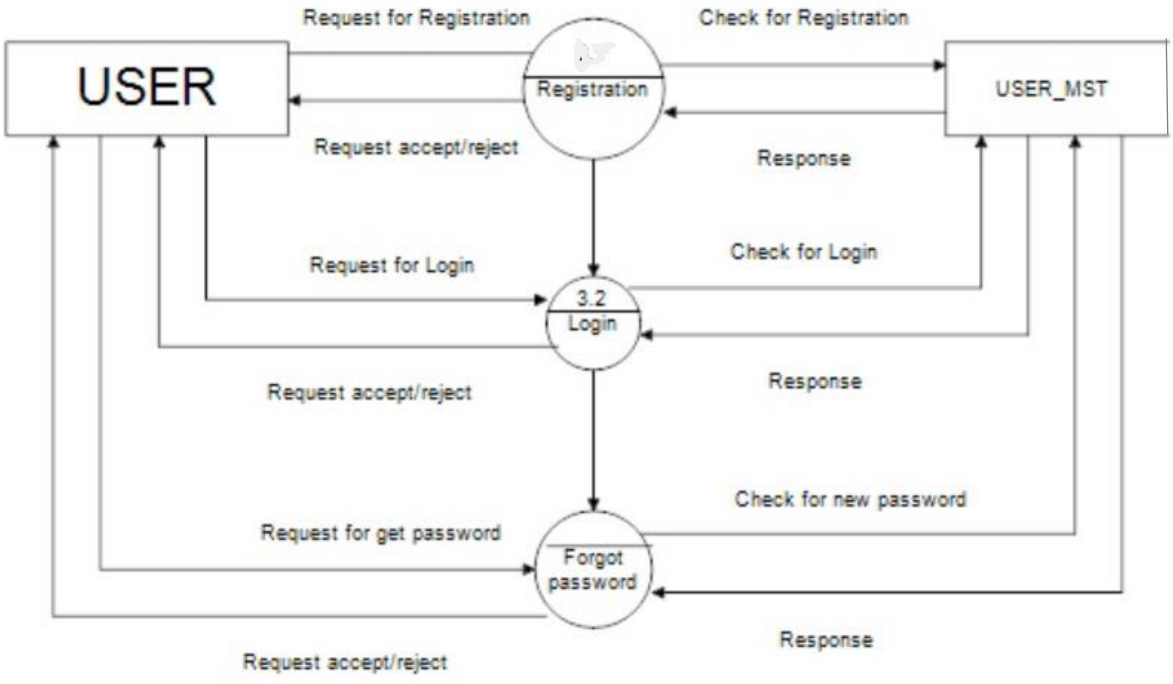
Week 3: In the 3rd week, we would be working on the backend processing if the project

# DATA FLOW DIAGRAMS

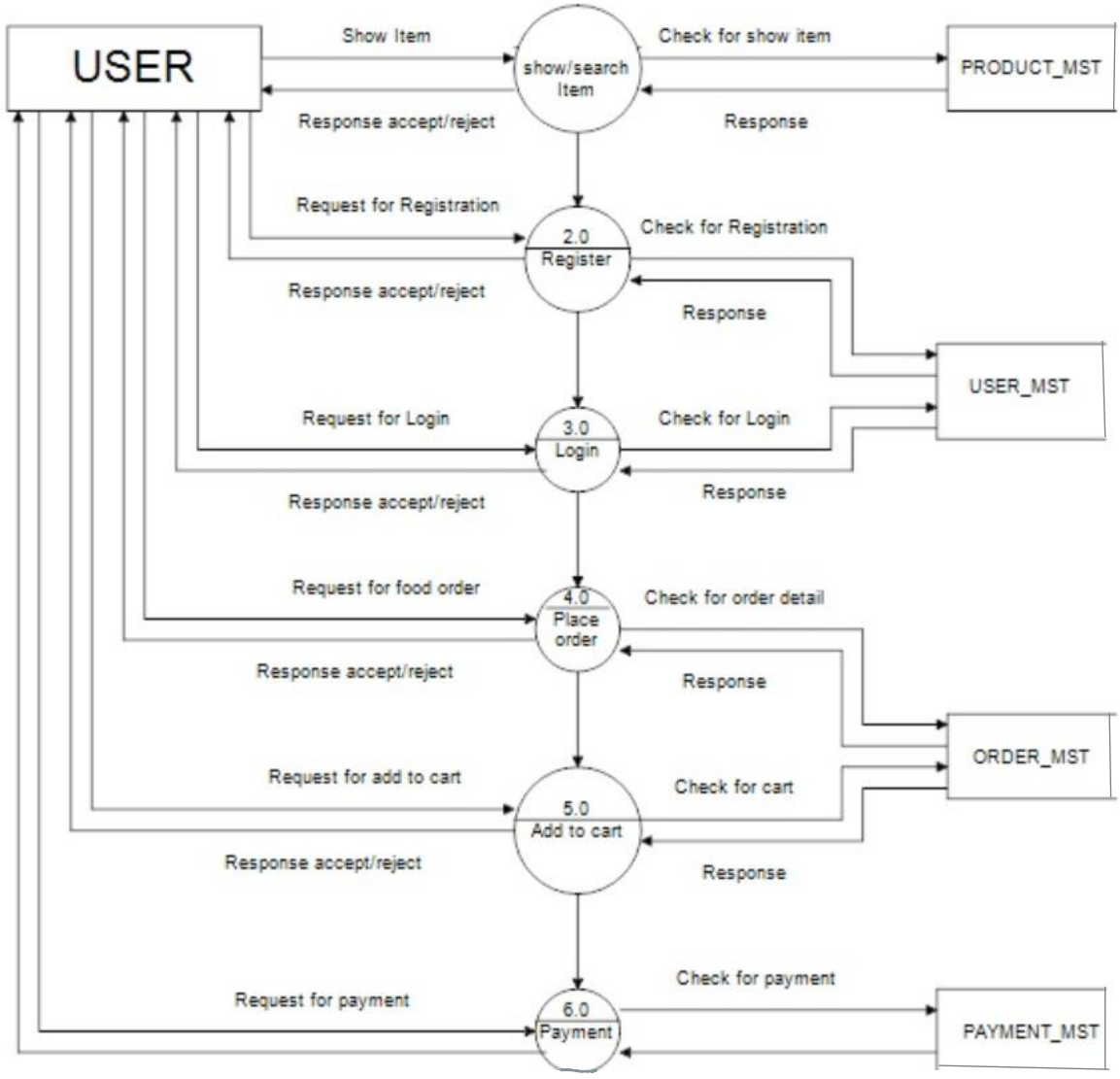
0 level DFD for food Street




level 1 DFD for User



Level 2 DFD for User



# REFERENCES


Books:

• Full-Stack -

- ✓ Modern Full Stack Development
- ✓ The Full Stack Development
- ✓ Eloquent JavaScript

• React -

- ✓ Road To React
- ✓ Full-Stack React Projects

Websites:

• https://reactjs.org/

• https://www.w3schools.com/

• www.google.com/

Faculty Guidelines:

Mr. Mandeep Singh (Technical Trainer, Training and Placement Department, GLA University)

GitHub Repository Link: https://vishaldixit8819.github.io/Mini-Project-II/