Project Title	**Food Delivery Application**
Technologies	MERN
Domain	Food
Project Level	Difficult

Table

Contents

1. Problem Statement:

Food Delivery Application

Create a Food delivery application that helps users to order food from home with specified restaurants.

What is food Delivery:

A type of software called an online food ordering system enables restaurants and cafés to handle and take online food orders from clients. An application and a website are the two platforms available for online meal ordering. While making an order, clients may browse the menu on both of these platforms. Additionally, the admin interface helps the business meet consumer expectations. A fantastic alternative for businesses that wish to react quickly to client demands is to develop an online food ordering system.

2.Features of Online Food Ordering System:

The key components are extremely important when developing an online food ordering system.

Customers are more likely to use solutions that are simple to use. The mechanisms for ordering foods Should be very engaging and live up to user expectations. Some of the key components of the online meal ordering system to concentrate on are the payment and order placement functions. This makes it

easier for customers to understand how the system works. Some of the key components of the application for the food ordering systems is listed below.

- **Searching menu:**

The online food ordering system's customers may use this function to search for a variety of cafes and restaurants based on their locations and culinary preferences. Users of this system can choose filters while perusing the food and atmosphere of the venue.

- **Placing the Order:**

With the help of this tool, customers of the online food ordering platform may quicky and easily order the items they wish to consume. Users only need to double-check their order, add any specific instructions, and then go to the checkout.

- **Tracking the Delivery Application:**

Real-time tracking is a characteristic of the online food ordering system. Users can easily track the food delivery partner's real-time locations with the help of this feature. The users may also monitor the timing of food delivery.

- **Payment Integration:**

Users may make payments using credit or debit cards. Therefore, the System for purchasing food online must make sure that clients have a variety of payment Alternatives.

3.Features of Driver's Application:

- **Driver's Profile:**

The driver can use this option to continuously update his own profile. It includes information such as address, full name, email, contact number, and photo along with other personal information.

- **Push Notification for Orders:**

The drivers are able to receive immediate updates and alerts for food Orders through the push notification system. This enables them to offer consumers effective Services while gaining insightful customer feedback.

- GPS for Food Delivery:

The drivers may choose the quickest and shortest routes to the delivery destination with the use of a map for the food. The Clients will be delighted with a timely food delivery method.

4. Features of The Admin Panel

- Restaurant Management:

Managing the admin panel helps in directly managing the Restaurant's services by regularly updating the application while adding and removing things. Changes in menu prices and active restaurant status can also be added.

- **Report & Analytics Generation:**

The report generation feature of the online food ordering system Can help you in having real-time insights and other information and details which will support you In observing the growth of expansion.

- **Monitoring the action:**

It is possible to maintain track of the drivers and the food, as well as their eating habits, order cancellations, and other information related their performance, by watching their behaviors.

5. Project Evaluation metrics:

5.1. Code:

- You are supposed to write code in a modular fashion ● Safe: It can be used without causing harm.
- Testable: It can be tested at the code level.
- Maintainable: It can be maintained, even as your codebase grows.
- Portable: It works the same in every environment (operating system).
- You have to maintain your code on GitHub.
- You have to keep your GitHub repo public so that anyone can check your code.
- Proper readme file you have to maintain for any project development.
- You should include basic workflow and execution of the entire project in the readme file on GitHub.
- Follow the coding standards.

5.2. **Database:**

MongoDB is a source-available cross-platform document-oriented database program. Classified as a NoSQL database program, MongoDB uses JSON-like documents with optional schemas.

5.3. **Deployment:**

Implementation of reverse proxy, load balancing, and security group is mandatory for deployed applications.

5.4. **Solutions Design:**

You have to submit complete solution design strategies in HLD, LLD, and Wireframe documents.

5.5. **System Architecture:**

You have to submit a system architecture design in your wireframe document and architecture document.

5.6. **Optimization of solutions:**

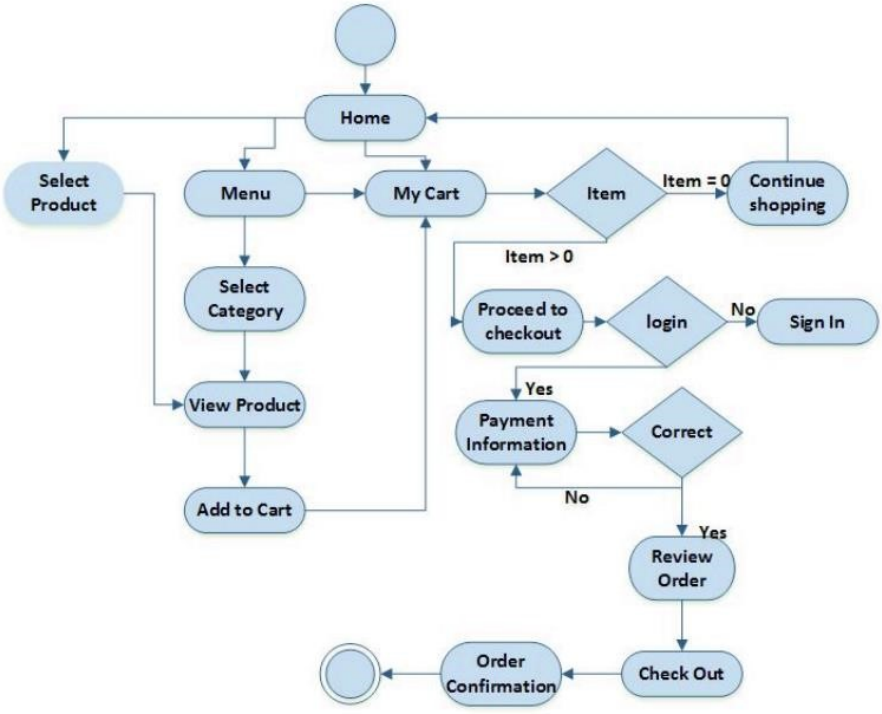
Try to optimize your solution on code level, architecture level, and mention all of these things in your final submission.

Mention your test cases for your project.

6. Submission requirements:

6.1. **High-level Document:**

You have to create a high-level document design for your project. You can reference the HLD form below the link.



Sample link: HLD Document Link

6.2. **Low-level document:**

You have to create a Low-level document design for your project; you can refer to the LLD from the link below.

Sample link: LLD Document Link

6.3. **Architecture:**

You have to create an Architecture document design for your project; you can refer to the Architecture from the link below.

Sample link: Architecture sample link

6.4. **Wireframe**:

You have to create a Wireframe document design for your project; refer to the Wireframe from the link below.

Demo link: Wireframe Document Link

6.5. **Project code:**

You have to submit your code to the GitHub repo in your dashboard when the final submission of your project.

Demo link: Project code sample link

6.6. **Detail project report:**

You have to create a detailed project report and submit that document as per the given sample.

Demo link: DPR sample link

6.7. **Project demo video:**

You have to record a project demo video for at least 5 Minutes and submit that link.

6.8. **The project LinkedIn a post:**

You have to post your project details on LinkedIn and submit that post link in your dashboard in your respective field.