

Syed Ahmed Ali Shah

Milestone – 2

### **API Requirements:**

REST API endpoints with methods, payloads, and responses. Examples:

- `POST /api/register`: Registers a new customer.
- `GET /api/products`: Fetches a list of food products.
- `POST /api/orders`: Places a customer order.
- `GET /api/delivery-status/:id`: Fetches delivery status for an order.

### **Sanity Schema Design:**

schemas for static content management:

- **Restaurant Descriptions**: Fields like name, logo, address, and tagline.
- **Promotions**: Fields like title, description, validity, and discount.

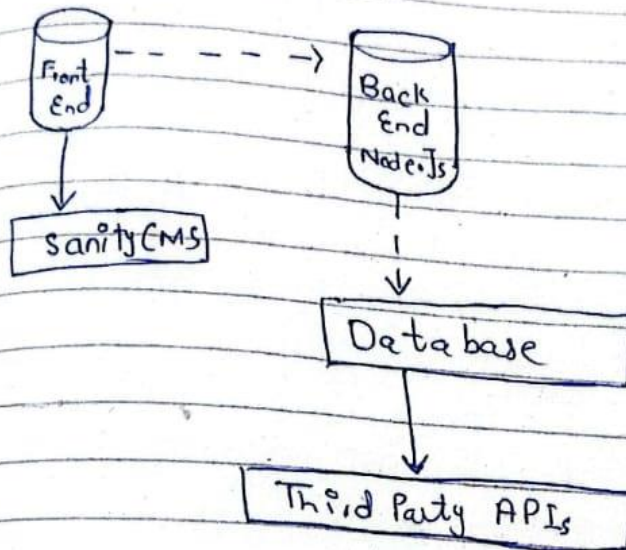
### **Key Workflows:**

**User Registration**: Customer signs up and logs in (Frontend → Backend → User Database).

- **Food Browsing**: Customer views food products and filters by price or type.
- **Order Placement**: Customer selects food items, adds to the cart, and completes the order.
- **Delivery Management**: Delivery details update as per customer orders.

### **System Architecture Diagram:**

## system Architecture Diagram.



Doing project work independent has both its challenges and its rewards. One of the major challenges in such a scenario has been understanding the different components of the project, for example, the front end, back end, and the database. In order to overcome this challenge, I divided the tasks into smaller tasks and concentrated on solving each problem as it came along. For example, while working on system architecture, I started simple with the flow of data between the user and the system before adding APIs and database queries.

For each of the problems faced, help was available online through tutorials, forums, or given documentation. I also did regular reviews of what I was working on in order to evaluate progress and find areas for improvement and, most importantly, ensure that everything works as expected. Self-testing always helped me get feedback that improved design and functionality. I was able to bring together organizing and persistence and build a system that stands met requirements and has also greatly improved my comprehension of the project's concepts.