**Title: MessWala**

**Objective**

This Platform will help the mess owners to scale up their business and users to find all the available options in his area with just a click.

**Scope**

The scope of the project is to develop a web based application that helps mess owners to Scale up the business and users (Particularly Students) to find right Options. This System will help the User to search mess in any Locality irrespective of his current location.

**Functional Requirement**

1. This System will help the users to filter the Mess as per his/her choice.
2. There will be two Login Options , Login as User or Login as Mess owner.
3. This System will help the Mess User to scale up their business.
4. This System will help the Normal user to explore option available within the present area where the user is present.
5. It will also help owners to Analyze user requirements by analyzing the Data and ratings.
6. This System will provide the functionality for Mess to add Today’s Menu.

**Non-Functional Requirement**

**Availability**

**Uptime:** 24\*7 **available,** 99.999%.

**Maintainability**

A commercial database software will be used to maintain system data persistence.

A web server will be installed to host online MessWala (Web Application) to manage server capabilities.

Separate environments will be maintained for the system for isolation in production, testing, and development.

**Portability**

The system will provide a portable User Interface(HTML5,CSS3,Javascript,React.Js,Next.Js) through which users will access the web application.

The System can be deployed to a single server, multi-server , multi-server, to any OS Cloud(Azure or AWS or Vercel).

**Accessibility**

Only registered users and registered Mess Owners will be able to log in after authentication.

**Durability**

The system will maintain users as well as Mess Owner details.

The system will implement backup and recovery for retaining Mess data and their business data over time.

The system will use cache for faster data retrieval and improved performance.

**Efficiency**

During peak hours, the system will maintain the same user experience by managing load balancing.

The system will be able to manage all transactions in isolation.

**Modularity**

The system will be designed and developed using reusable, independent or dependent business scenarios in the form of modules.

These modules will be loosely coupled and highly cohesive.

**Scalability**

The system will provide a consistent user experience to users irrespective of load.

**Safety**

The users' login page will be secure from malicious attacks and phishing.

Separate environments will be maintained for the system for isolation in production, testing, and development.