

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 the mess owners to scale up their 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. There will be two login options, login as User or login as Mess owner.
2. This system will be accessible for registered users and mess owners.

User

- This system will help the normal user to explore the available options within the present area where the user is present or by manually entering the location.
- This system will help the user to filter the mess as per ratings.
- This system will going provide the information of mess like regular menu, today's menu, etc.
- This system will going show the top-rated mess to the user.

Mess Owner

- This system will help the mess owner to scale up their business.
- This system will provide the functionality for mess to add today's menu, regular menu, etc.
- This will also help the owners to analyze the user requirements, by analyzing the data and ratings.

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 interact/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 a 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.