Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	01 November 2023
Team ID	NM2023TMID04504
Project Name	Creating an Email Campaign in Mailchimp

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Users should be able to create new accounts by providing essential information, including username, email address, and password.
FR-2	User Confirmation	Users must receive a verification email upon registration, which contains a confirmation link. Clicking the confirmation link should verify the user's email address and activate their account.
FR-3	User Manual	Users should have access to a user manual or documentation for guidance on using the system.
FR-4	User Feeding	The system should validate user inputs to ensure data accuracy and integrity. Users should receive real-time feedback on the correctness of their input.
FR-5	User Output/Final Prediction	The system should process user inputs and provide an output or final prediction based on the provided data and algorithms.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The system should have an intuitive user interface that allows users to create and manage email campaigns with minimal training. It should be designed with user experience in mind to ensure efficient and effective operations.
NFR-2	**Security**	The system should implement encryption for data in transit and at rest, strong access controls, and authentication mechanisms to safeguard sensitive information.
NFR-3	**Reliability**	Reliability means that email campaigns must be sent as scheduled without service interruptions. Failover mechanisms should be in place to ensure service availability in case of system failures.
NFR-4	**Performance**	The system should ensure high performance, allowing users to create, send, and monitor email campaigns efficiently.
NFR-5	**Availability**	The email campaign system should be available 24/7 to accommodate global audiences. Downtime for maintenance and updates should be minimal and scheduled during low-traffic periods to minimize disruption.
NFR-6	**Scalability**	in the context of our project, the system should be designed to handle a growing subscriber base and increased email volumes without experiencing a degradation in performance. Scalability should be ensured through load balancing and resource allocation.