

**Requirement Gathering and Analysis Phase**  
**Solution Requirements (Functional & Non-functional)**

Date	8 July 2024
Team ID	SWTID1720104852
Project Name	Banking Management App (Mern)
Maximum Marks	2

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**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	Registration through Form Registration through Gmail Registration through Facebook
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Login	Login through Email and Password Login through Gmail Login through Facebook
FR-4	Account Management	View Account Balance View Transaction History View Account Statements
FR-5	Money Transfer	Transfer to Another User via Account ID View Transfer History
FR-6	Loan Application	Submit Loan Application View Loan Status
FR-7	Real-Time Updates	Receive Notifications for Transactions Receive Notifications for Loan Application Status
FR-8	Admin Dashboard	View and Manage User Accounts View and Manage Transactions Review and Process Loan Applications
FR-9	Customer Support	Submit Support Queries Track Support Query Status
FR-10	Security	Implement HTTPS for Secure Communication Implement Data Encryption

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The application should have an intuitive and user-friendly interface for both mobile and web users, ensuring ease of navigation and accessibility.
NFR-2	<b>Security</b>	The application must implement robust security measures, including HTTPS for secure communication, data encryption, and secure authentication mechanisms like JWT and OAuth for third-party logins.
NFR-3	<b>Reliability</b>	The application should provide consistent and reliable services with minimal downtime, ensuring accurate and reliable transactions and account information.
NFR-4	<b>Performance</b>	The application should provide consistent and reliable services with minimal downtime, ensuring accurate and reliable transactions and account information.
NFR-5	<b>Availability</b>	The application should be available 99.9% of the time, ensuring users can access their accounts and perform transactions whenever needed.
NFR-6	<b>Scalability</b>	The application should be designed to scale horizontally and vertically to accommodate growing numbers of users and increased transaction volumes without performance degradation.