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

Date	08 May 2023
Team ID	NM2023TMID16146
Project Name	Pixel Perfection: Transforming your photos with our cutting-edge image editing platform

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(through social media accounts) Registration through Gmail Registration through LinkedIN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Image Upload	Upload images from local storage, Import images from cloud storage platforms (e.g., Google Drive, Dropbox) Capture images using device camera
FR-4	Image Editing Tools	Basic adjustments (brightness, contrast, saturation) Cropping and resizing images Image retouching and blemish removal Object removal and background manipulation Filters and artistic effects
FR-5	AI-Powered Enhancements	Automatic image enhancement suggestions Smart object recognition and enhancement Style transfer and artistic filters
FR-6	Export and Sharing	Download edited images in various formats (JPEG, PNG, etc.) Direct sharing to social media platforms Generate shareable links for easy image sharing

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The platform should have an intuitive and user-friendly interface, allowing users to easily navigate and utilize the editing tools.
NFR-2	**Security**	The solution should ensure the security and privacy of user data, employing encryption, secure authentication, and adherence to data protection regulations.

NFR-3	**Reliability**	The platform should be reliable, with minimal downtime or errors during image uploading, editing, and saving processes.
NFR-4	**Performance**	The solution should provide fast and responsive performance, ensuring quick image processing and rendering even for complex edits.
NFR-5	**Availability**	The platform should be available to users consistently, with minimal maintenance-related downtime or interruptions in service.
NFR-6	**Scalability**	The solution should be scalable, capable of handling increased user traffic and data storage demands while maintaining optimal performance.