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

Date	06 May 2023
Team ID	NM2023TMID19973
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 upload image	Image uploaded to photo editing platform
FR-2	User cropping image	Cropping can be done with editing tools
FR-3	Image Conversion	Image will convert into pixel size
FR-4	Features	Add enhance to image

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	It refers to the usability considerations and best practices that should be taken into account while striving for precise pixel-level rendering or alignment in digital design. It involves ensuring that the design not only achieves pixel perfection but also provides a positive user experience and meets usability
NFR-2	**Security**	If the images contain sensitive or confidential information, the system should incorporate appropriate security measures. This includes encryption during transmission and storage, access controls, and protection against image-based attacks like steganography or malicious code injection.
NFR-3	**Reliability**	It refers to the dependability and consistency of achieving precise and accurate pixel-level rendering or alignment in digital design or development. It typically applies to fields such as graphic design, web development, user interface (UI) design, or any

		area where visual precision is crucial.
NFR-4	**Performance**	The system should handle image processing operations efficiently and deliver real-time rendering and manipulation of images when required. This includes fast loading times, quick image transformations, and responsive user interactions.
NFR-5	**Availability**	It consistently available and accessible to users across different platforms, devices, and environments.
NFR-6	**Scalability**	The system should be able to handle images of various sizes, from small thumbnails to large high-resolution images, without sacrificing performance or quality. It should be capable of resizing and adapting images dynamically based on the viewing context, such as different screen sizes or responsive web designs.