

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

Date	12 May 2023
Team ID	NTM2023TMID12549
Project Name	Pixel Perfection: Transforming your photos of 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 email
FR-2	Image editing tools	Person background removal, cartoonish face, beautify face, vehicle background removal
FR-3	Image upload and download	Upload/download images in different format such as jpeg, png.
FR-4	High resolution images	Provide user with quality images without any distortion or pixel loss
FR-5	Cloud Storage	Retrieval of images from anywhere and anytime
FR-6	Image comparison	Feature to compare original image and transformed image

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The application should have a user-friendly and intuitive interface, with easy to understand and navigate.
NFR-2	Security	The application should prioritize the privacy of its user's images by implementing or enabling strong encryption or data protection measures.
NFR-3	Reliability	The platform should be designed to handle high volume of user traffic and image uploads without slowing down or crashing the server.
NFR-4	Performance	The platform should have minimum latency which ensures effective upload and download of images by the user.
NFR-5	Availability	The platform should be accessible by the user 24/7, with high level of uptime. It should have redundant robust infrastructure that can handle unexpected spikes in user traffic without affecting the availability of the platform.

NFR-6	Scalability	It should be able to accommodate an increasing number of users and image uploads without negatively affecting the performance. It should have scalable architecture that can easily add or remove resource as needed to handle changes in user traffic or usage.
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