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

Date	13 May 2023
Team ID	NM2023TMID09093
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	**Accurate Editing Tools**	The platform must provide accurate and precise editing tools that allow for manipulation of pixels with high degree of precision, such as the ability to zoom in and out, adjust contrast, brightness, saturation, and sharpness.
FR-2	**Non-destructive Editing**	The platform must support non-destructive editing, which enables users to make changes to their images without permanently altering the original file. This feature allows for multiple iterations and adjustments to be made to the same image without causing quality degradation.
FR-3	**Layer Management**	The platform must support the creation, management, and editing of multiple layers, allowing users to apply various adjustments and effects to different layers of an image. This feature also enables users to selectively edit specific areas of an image without affecting the entire image.
FR-4	**Batch Processing**	The platform must support batch processing, allowing users to apply the same edits and adjustments to multiple images at once, saving time and increasing productivity.
FR-5	**Exporting and Saving Options**	The platform must provide various exporting and saving options, such as the ability to save in multiple file formats, compression options, and the option to export in different resolutions. This feature also enables users to save their images in different sizes for various purposes, such as web, print, and social media.
FR-6	**Integration with Cloud Storage**	The platform should integrate with cloud storage services such as Google Drive, Dropbox, and iCloud, allowing users to save and retrieve their images from any device with an internet connection.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Performance**	The image editing platform must perform quickly and efficiently, with minimal lag or delay, to ensure a smooth and seamless user experience.
NFR-2	**Reliability**	The system must be highly reliable and available, with minimal downtime and errors. It should be able to handle large volumes of images and editing tasks without crashing or experiencing significant performance degradation.
NFR-3	**Security**	The platform must be secure, with robust authentication and authorization mechanisms to prevent unauthorized access and protect user data. It should also support encryption of data in transit and at rest.
NFR-4	**Performance**	The system should be able to monitor its performance and usage statistics in real-time and collect data about user behaviour and trends to allow for continual optimization and improvement.
NFR-5	**Usability**	The platform must be easy to use and navigate, with an intuitive user interface and clear instructions and feedback. It should also support customization and personalization of user preferences.
NFR-6	**Scalability**	The system must be able to scale up or down as needed to handle varying workloads and user demand, without sacrificing performance or reliability.