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

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Team ID	PNT2022TMID53870
Project Name	Intelligent Vehicle Damage Assessment & Cost Estimator for Insurance Companies

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 Website
FR-2	User Registration Confirmation	Confirmation via Website
FR-3	User Login	Login through Website
FR-4	User Login Confirmation	Redirects to Prediction Page
FR-5	Invalid Details	Confirmation through the message displayed on the Website
FR-6	No photo chosen to upload	Confirmation through the message displayed on the Website

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The claimant can upload the damaged car part and gets the estimation within seconds
NFR-2	**Security**	The users' details are stored in the IBM Cloudant which no one except the Insurance Company admin has access to.
NFR-3	**Reliability**	The model is trained with around 1000 images to detect the area of impact and level of impact and also tested with 200 images to increase the accuracy of the prediction.
NFR-4	**Performance**	This Intelligent Damage Assessment and Cost Estimator analyzes the impact and gives an estimate for the damage **within 20 seconds** of uploading the damage part image
NFR-5	**Availability**	This Intelligent Damage Assessment and Cost Estimator is a website and can be made available 24*7 which will be very convenient for the users/victims
NFR-6	**Scalability**	This Intelligent Damage Assessment and Cost Estimator System is the efficient way out there to assess and give estimation for the damaged parts. Hence, it will be scalable when implemented by a trusted Insurance Agencies