

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

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Collect data	Data from various sources are collected using different methods in order to provide optimized results.
FR-2	Data Cleaning and Wrangling	When combining multiple data sources, there are many opportunities for data to be duplicated or mislabeled hence we cleanse the data
FR-3	Creating data model	The process of analyzing and defining all the data, as well as the relationships between those bits of data comes under this.
FR-4	Prediction and Analysis	The hidden trends are analyzed and the final results are predicted using machine learning and AI algorithms.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	The project must be easy to use. The user needs to have a good experience while working with the interface.
NFR-2	<b>Security</b>	Every user can access the website only if they possess the password. The database is secured with encryption techniques which provides high levels of security
NFR-3	<b>Reliability</b>	The project must have minimal degree of failure under normal usage and how often does the user get access to this work
NFR-4	<b>Performance</b>	The project must respond quickly to the user's actions or even if the user has to wait the waiting period must be short.
NFR-5	<b>Availability</b>	The project is platform independent. It runs perfectly on almost every platform.
NFR-6	<b>Scalability</b>	The project allows multiple users to handle the data at the same time. It is highly scalable since adding features and making advancements in the website is uncomplicated.