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

Date	03 October 2022
Team ID	PNT2022TMID32291
Project Name	A new hint to transportation – Analysis of the NYC bike share system.
Maximum Marks	4 Marks

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	Through membership card/mobile app.
FR-2	Availability checking of bikes	Through booking of bike.
FR-3	Booking Confirmation	Through getting notification.
FR-4	User Confirmation	Confirmation via message/notification

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Pollution free environment. No need to depend on other means of transportation and economically feasible.
NFR-2	**Security**	Detect behaviors that indicate malicious activity by collecting, normalizing and analyzing.
NFR-3	**Reliability**	Using data analysing, can easily predict the future requirements.
NFR-4	**Performance**	Exploration by creating data visualization by prediction of bike utilization.
NFR-5	**Availability**	Having an membership active pass makes the customer can rent bikes with amount packages based on time-constraints per month/year.
NFR-6	**Scalability**	By data analysing, can improve the productivity of citi-bike system, widespread of utilization according to the customer's demands.