Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	15 October 2022
Team ID	PNT2022TMID53270
Project Name	Project - A new hint to transportation - Analysis of the NYC bike share system
Maximum Marks	4 Marks

Technical Architecture:

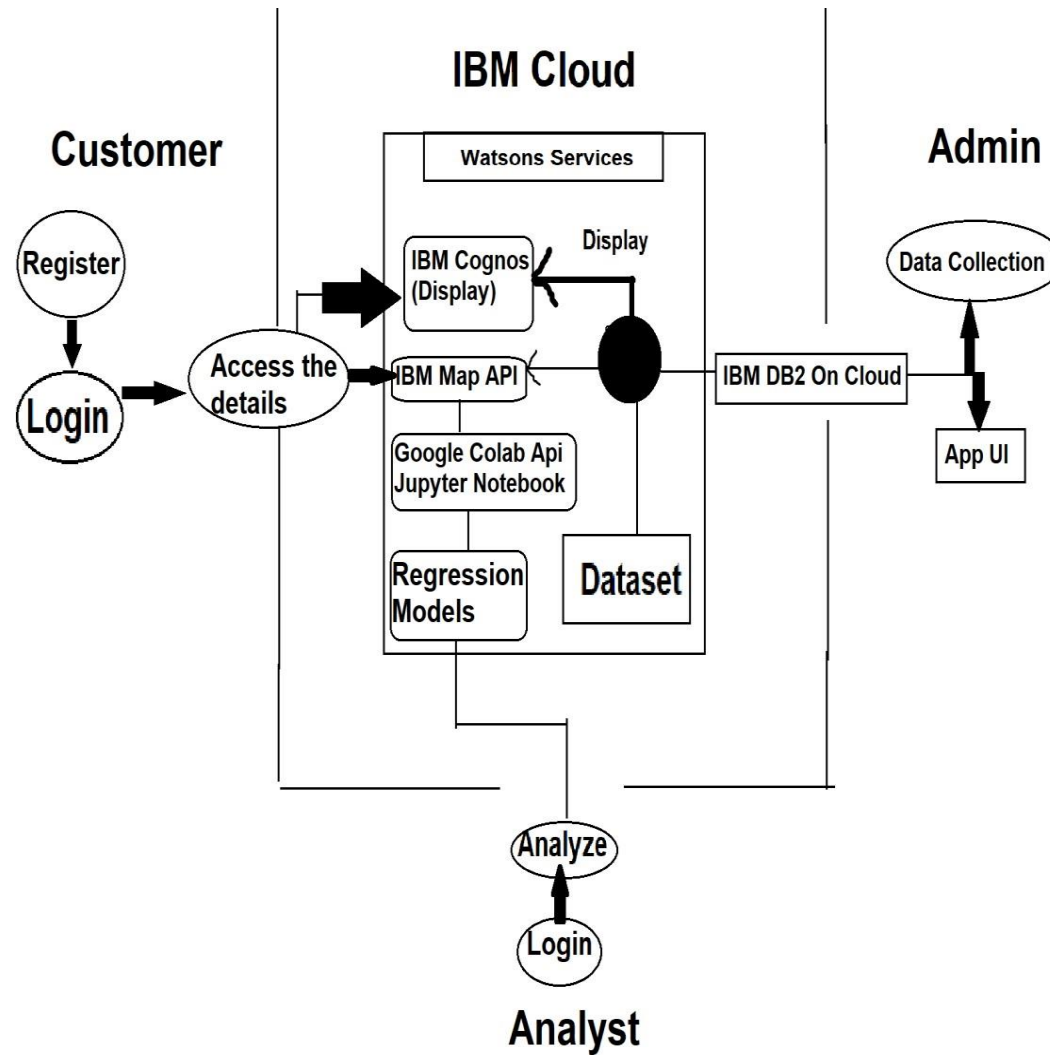The Deliverable shall include the architectural diagram as below:

Table-1 : Components & Technologies:

S.No	Component	Description	Technology
	User Interface	1. Display the visualization of the analysed data 2. Display the inferences from the analysed data	HTML, CSS, JavaScript and IBM Cognos
	Application Logic-1	Display details	HTML
	Database	Data Type, Configurations etc.	MySQL
	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
	External API-1	-	-
	External API-2	-	-
	Machine Learning Model	To plot graphs and predict values	Regression models
	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Local Syst Cloud Server Configuration : IBM Cloud	Local, Cloud Foundry, Kubernetes, etc.