

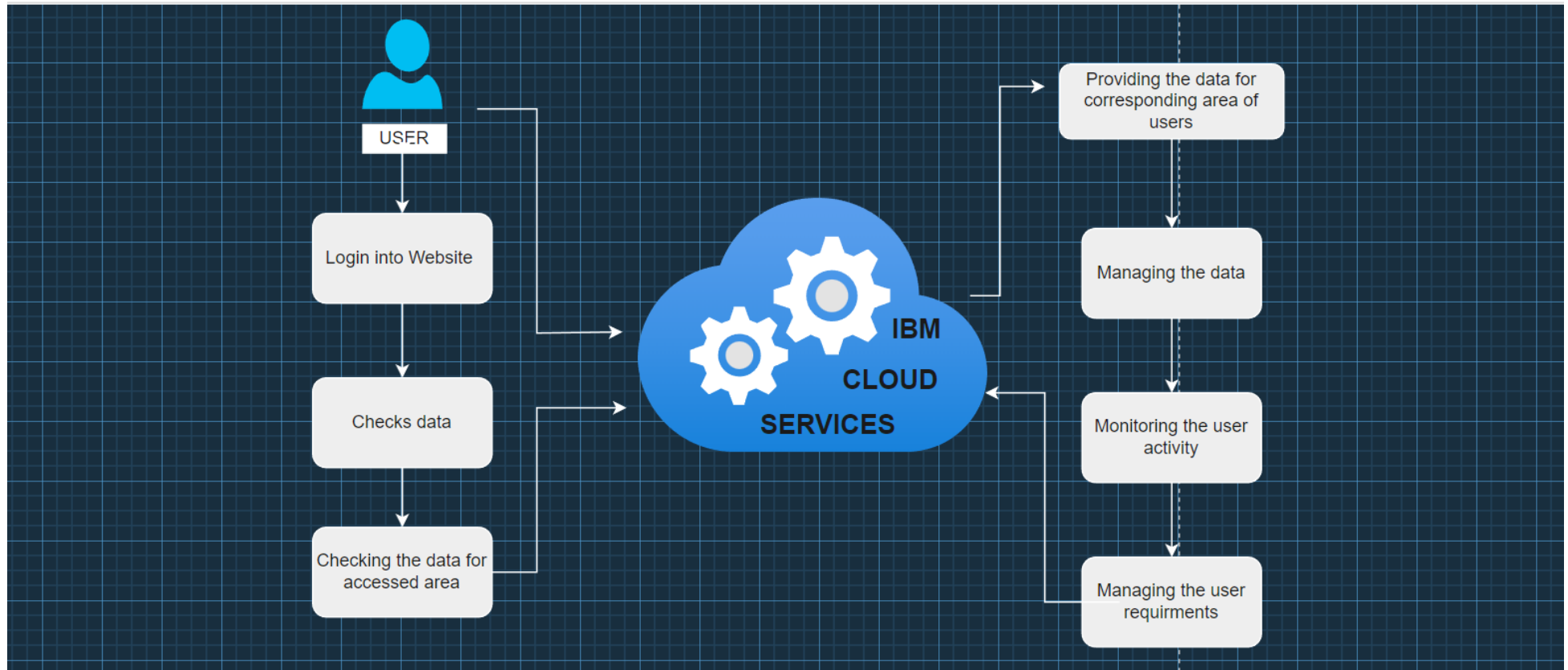
Project Design Phase-II
Data Flow Diagram & User Stories

Date	13 October 2022
Team ID	PNT2022TMID33019
Project Name	Project – Real Time Water Quality Monitoring and Control System
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Real-Time River Water Quality Monitoring And Control System



User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Local Resident user)	Registration	USN-1	As a Local resident, I can register for the application by entering my email, password, and confirming my password.	I can access my account	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application.	I can receive confirmation email & click confirm	High	Sprint-1
	Login	USN-3	As a user, I can access my account of the web application through my login credentials.	I can access the dashboard with my individual Login id/ password	Low	Sprint-2
	Dashboard	USN-4	As a user, I want to know about my waterbodies locations instantly.	I can access the dashboard	Medium	Sprint-1
	Dashboard	USN-5	As a user, I can check and view the details of the river that I want to know.	I can get the information of the river that is needed.	High	Sprint-1
Customer (Web user)	Web application	USN-6	As a user, I can know the parameters like pH value, Temperature, Salinity, Harmful toxins etc.,	I can tend to know the ranges of required parameters.	High	Sprint-2
Customer (Web user)	Web application	USN-7	As a user, I am able to know about the amount of potassium and Calcium present in the waterbodies.	I can get the ranges of the chemical compounds present in the required river water.	Medium	Sprint-2
Customer Care Executive	Web application	USN-8	As a user, I can protect myself and the resident people from the water born diseases by checking the quality of the waterbodies through this application.	I can know the quality of the water and protect myself.	High	Sprint-1
Administrator	Report	USN-9	As an Administrator, I can collect the data's of quality measures of river water.	I can easily check if the water is harmful or not	Medium	Sprint-2
Authorities	Report	USN-10	As a Local Authority, I was notified by the web application if any hazardous things were present.	I can alert the users and report to my higher officials.	High	Sprint-1