Project Design Phase-II
Data Flow Diagram & User Stories

Date	21-11-2022
Team ID	PNT2022TMID42599
Project Name	Real Time Water Quality and Monitoring and Controlling for Domestic Use
Maximum Marks	4 Marks

Data Flow Diagram:

sensor node2

sensor node 1

sensor node 3

sink node 1

iot watson

ibm cloud

web server

web application node red

Mobile
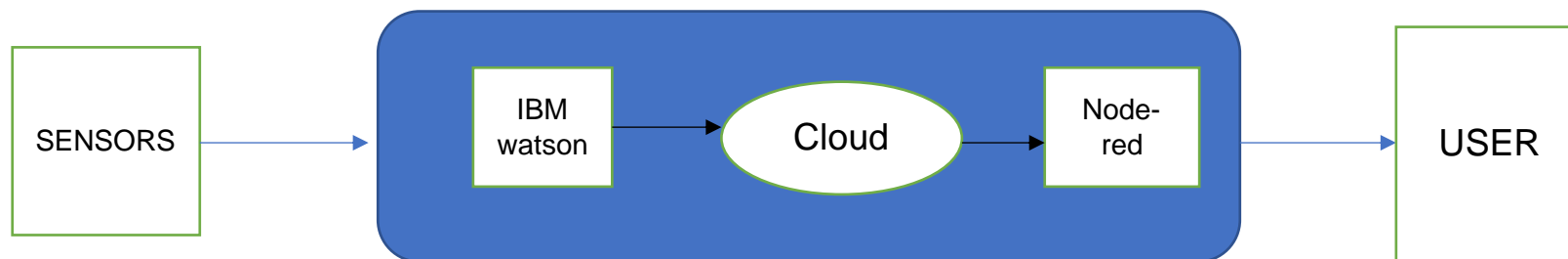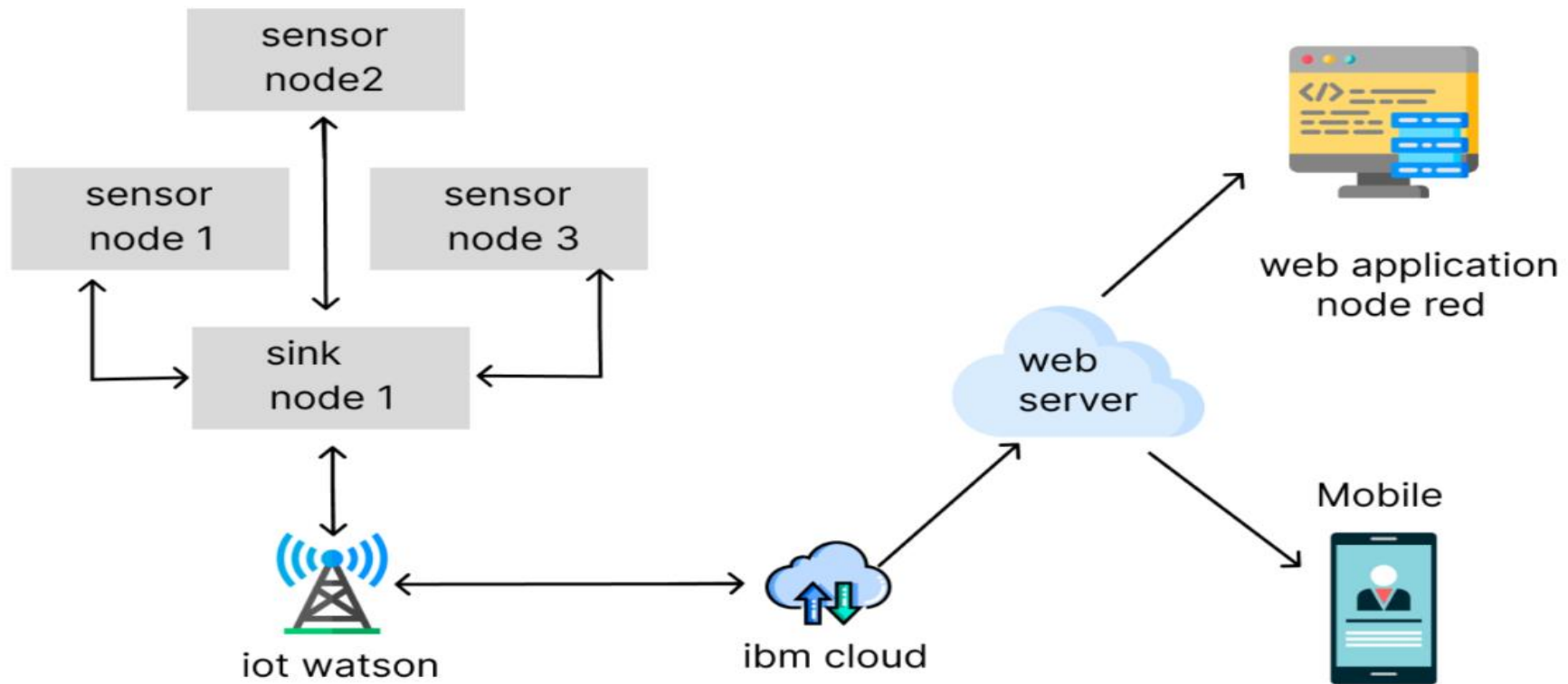
User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Senior citizen)	Ground water quality for domestic use	USN-1	As a user, I want to use good quality of water. And I need to know the quality of the water I'm consuming.	I want to take medicine on time.	Medium	Sprint-1,2
Customer (Mentally idled patient)	Ground water quality for drinking purpose	USN-2	As a user, I should maintain good health by consuming good quality of water in time. I need to monitor the quality of the water	My patient needs to take medicines at proper time.	High	Sprint-3
Customer (Disabled person)	Ground water nutrient check for farming	USN-3	As a user, I need to check my quality of water that is given to plants. Need to intimate me when the water exceeds the threshold. And also I need to check the previous readings of the sensors.	I need to take medicines at accurate time by notification.	High	Sprint-4