**Data Flow Diagrams:**

**Project Design Phase-II**

**Data Flow Diagram & User Stories**

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| Date | 21 October 2022 |
| Team ID | PNT2022TMID30374 |
| Project Name | Project - Real time River water quality monitoring and control system |
| Maximum Marks | 4 Marks |

User will get info about quality as a SMS

Through WEB UI

**User Stories:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User Type** | **Functional Requirement**  **(Epic)** | **User Story Number** | **User Story / Task** | **Acceptance criteria** | **Priority** | **Release** |
| Customer (Mobile user) | Registration | USN-1 | As a user, I can register for the application by entering my email address, password, and password confirmation. | can gain access to my account/dashboard. | High | Sprint-1 |
|  |  | USN-2 | Once I have registered for the application, I will receive a confirmation email. | I can receive an email confirmation and click  confirm. | High | Sprint-2 |
|  |  | USN-3 | As a user, I can sign up for the app using Google. | I can use Google to register and access the dashboard. | High | Sprint-1 |
|  |  | USN-4 | As a user, I can sign up for the application using Gmail. | I can sign up through the mail. | Medium | Sprint-2 |
|  | Login | USN-5 | I can access the application as a user by entering my email address, password, and captcha. | I can obtain login information. | High | Sprint-1 |
|  | Interface | USN-6 | As a user, the interface should be easy to use. | I can easily gain access. | Medium | Sprint-1 |
| Customer (Web user) | dashboard | USN-7 | As a user, I have access to specific information (pH value, temperature, humidity, and quality). | I can determine the water's quality. | High | Sprint-1 |
| Customer | View manner | USN-8 | As a user, I can view data in a graphical format (graph). | Visuals help me understand better. | High | Sprint-1 |
|  | Taste | USN-9 | As a user, I can see the water's quality (saltiness). | I can easily tell if it's salty or not. | High | Sprint-1 |
|  | Colour visibility | USN-10 | As a user, I can predict the colour of the water. | I can quickly determine the condition based on the  colour. | High | Sprint-1 |
| Asministrator | Risk tolerant | USN-11 | The application should be updated and maintained by the system administrator. | The records should be properly monitored by the administrator. | Medium | Sprint-2 |