# Project Design Phase-II
# Data Flow Diagram & User Stories

| Date | 16 October 2022 |
|------|-----------------|
| Team ID | PNT2022TMID47977 |
| Project Name | Real-Time River Water Quality Monitoring and Control System |
| Maximum Marks | 4 Marks |
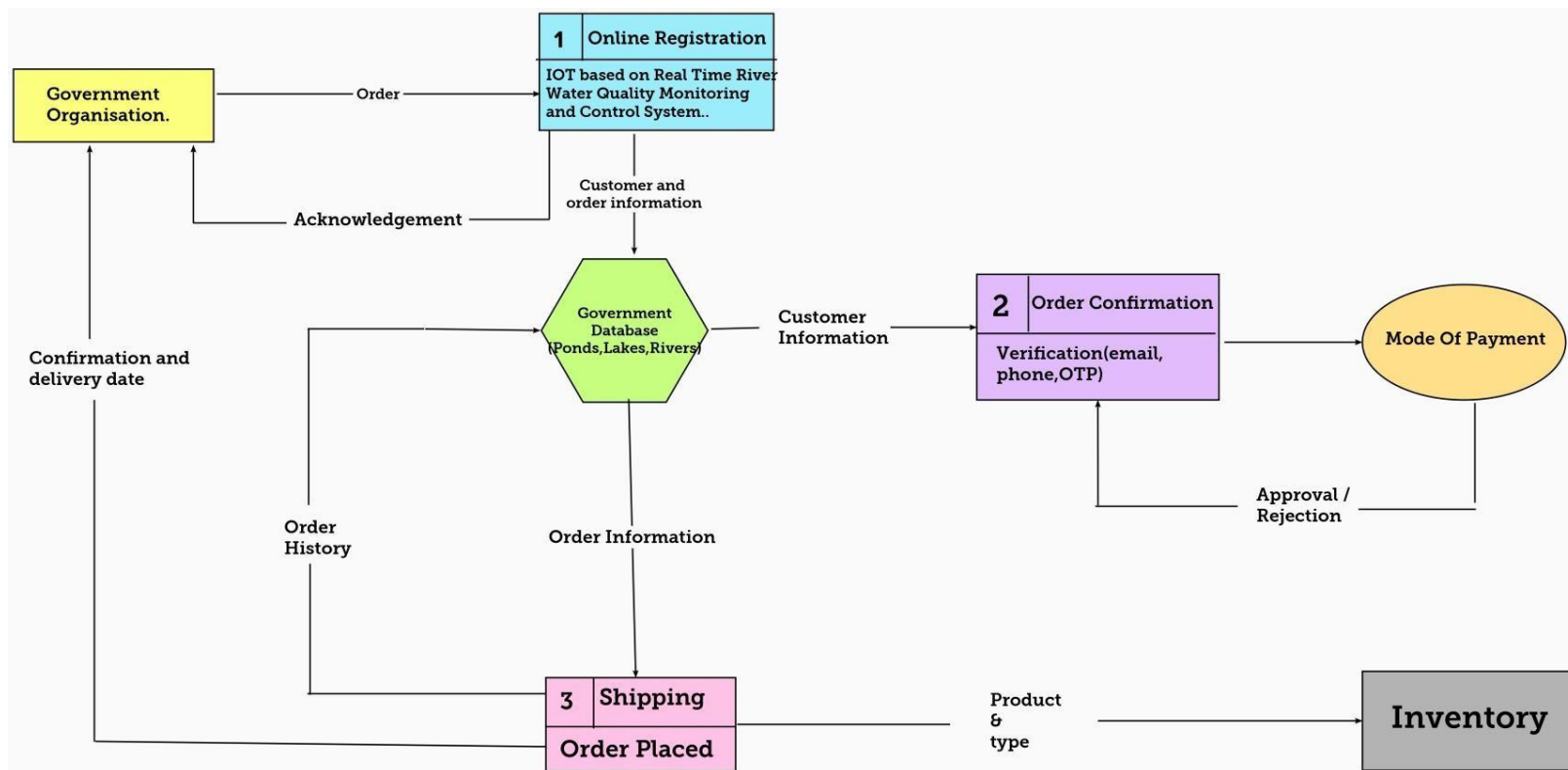
## User Stories

| 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 email, password, and confirming my password. | They can access my account/dashboard | HIGH | SPRINT-1 |
| | | USN-2 | As a user, I will receive a confirmation email once I have registered for the application | They can receive e confirmation email & click confirm | HIGH | SPRINT-2 |
| | | USN-3 | As a user, I can register for the application through Google | They can register & access the dashboard with Google | HIGH | SPRINT-1 |
| | | USN-4 | As a user, I can register for the application through Gmail | They can register through the mail. | MEDIUM | SPRINT-2 |
| | Login | USN-5 | As a user, I can log into the application by entering email, password & captcha | They can receive login credentials. | HIGH | SPRINT-1 |
| | Interface | USN-6 | As a user, the interface should be user-friendly manner | They can able to access easily. | MEDIUM | SPRINT-1 |
| Customer (Web user) | Dashboard | USN-7 | As a user, I can access the specific info(ph value, temp, humidity, quality). | They can able to know the quality of the water | HIGH | SPRINT-1 |
| Customer (input) | View manner | USN-8 | As a user, I can view data in visual representation manner(graph) | They can easily understand by visuals. | HIGH | SPRINT-1 |
| | Taste | USN-9 | As a user , I can able to view the quality(salty) of the water | They can easily know whether it is salty or not | HIGH | SPRINT-1 |

| | Colour visibility | USN-10 | As a user , I can able predict the water colour | Thry can easily know the condition by colour | HIGH | SPRINT-1 |
|---|---|---|---|---|---|---|
| Administrator | Risk tolerant | USN-11 | An administrator who Is handling the system should update and take care of the application | Admin should monitor the records properly. | MEDIUM | SPRINT-3 |