

Project Design Phase-II

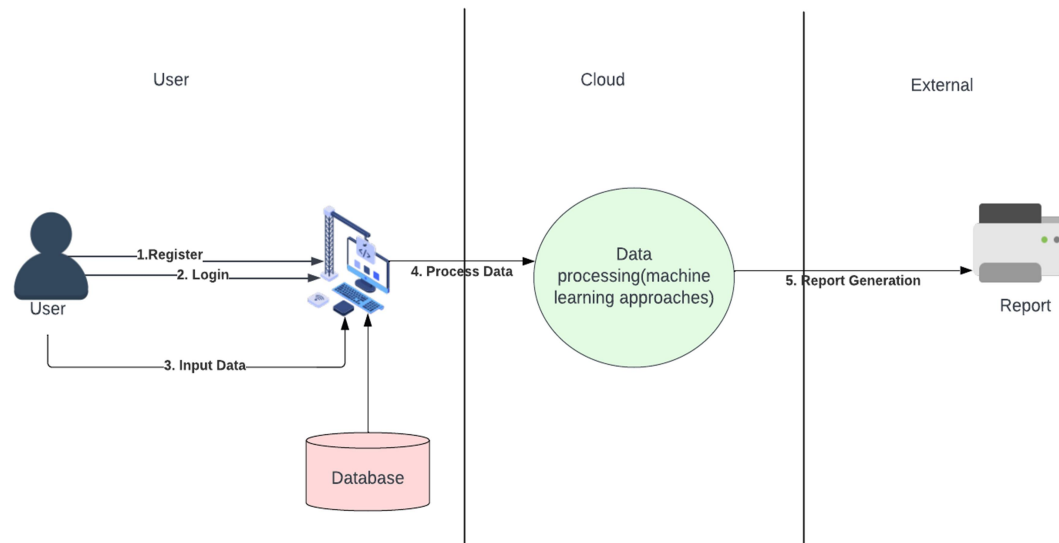
Data Flow Diagram & User Stories

| | |
|---------------|--|
| Date | 12 October 2022 |
| Team ID | PNT2022TMID27824 |
| Project Name | Estimate Crop Yield Using Data Analytics |
| Maximum Marks | 4 Marks |

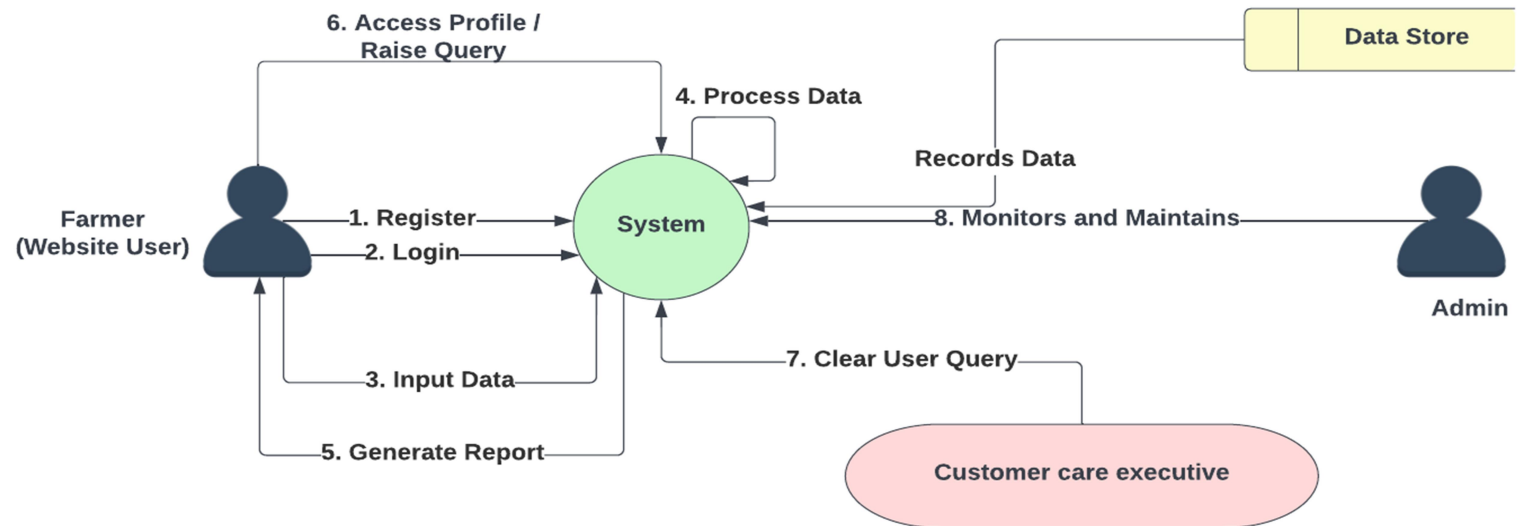
Data Flow Diagrams:

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.

Flow Diagram:



DFD 0 (Estimate Crop Yield Using Data Analytics):



User Stories:

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|-------------------------|---------------------------------|-------------------|---|--|----------|----------|
| Farmer (Website User) | Registration | USN-1 | As a user, I can register for the website by entering my email, password, and confirming my password. | I can access my account / dashboard | High | Sprint-1 |
| Farmer (Website User) | Registration Confirmation | USN-2 | As a user, I will receive confirmation email once I have registered for the website | I can receive confirmation email & click confirm | High | Sprint-1 |
| Farmer (Website User) | Registration | USN-3 | As a user, I can register for the website through Gmail | I can register & access the dashboard with Gmail Login | Low | Sprint-1 |
| Farmer (Website User) | Registration | USN-4 | As a user, I can register for the website through Yahoo | I can register & access the dashboard with Yahoo Login | Medium | Sprint-1 |
| Farmer (Website User) | Login | USN-5 | As a user, I can log into the website by entering email & password | I can access my account / dashboard | High | Sprint-1 |
| Farmer (Website User) | Dashboard | USN-6 | As a user, I can able to view my profile, edit my profile and able to view guidelines, review etc. | I can access my profile (account / dashboard) | High | Sprint-2 |
| Farmer (Website User) | Query Raising | USN-7 | As a user, I can ask my questions | I can raise queries in chat section of dashboard | High | Sprint-3 |
| Farmer (Website User) | Report | USN-8 | As a user, I can get my analysis results as a generated report | I can get generated report of my analysis result | High | Sprint-2 |
| Customer Care Executive | Query Resolving | USN-9 | As a customer care executive, I will try sort out the issues of the user via chat | I can solve user issues via chat | High | Sprint-3 |
| Farmer (Website User) | Feedback | USN-10 | As a user, I can give feedback of my experience with the website | I can give my review as feedback | High | Sprint-4 |
| Administrator | Monitor Application Performance | USN-11 | As admin, I will monitor the entire performance of the website frequently | I can maintain the website | High | Sprint-4 |