

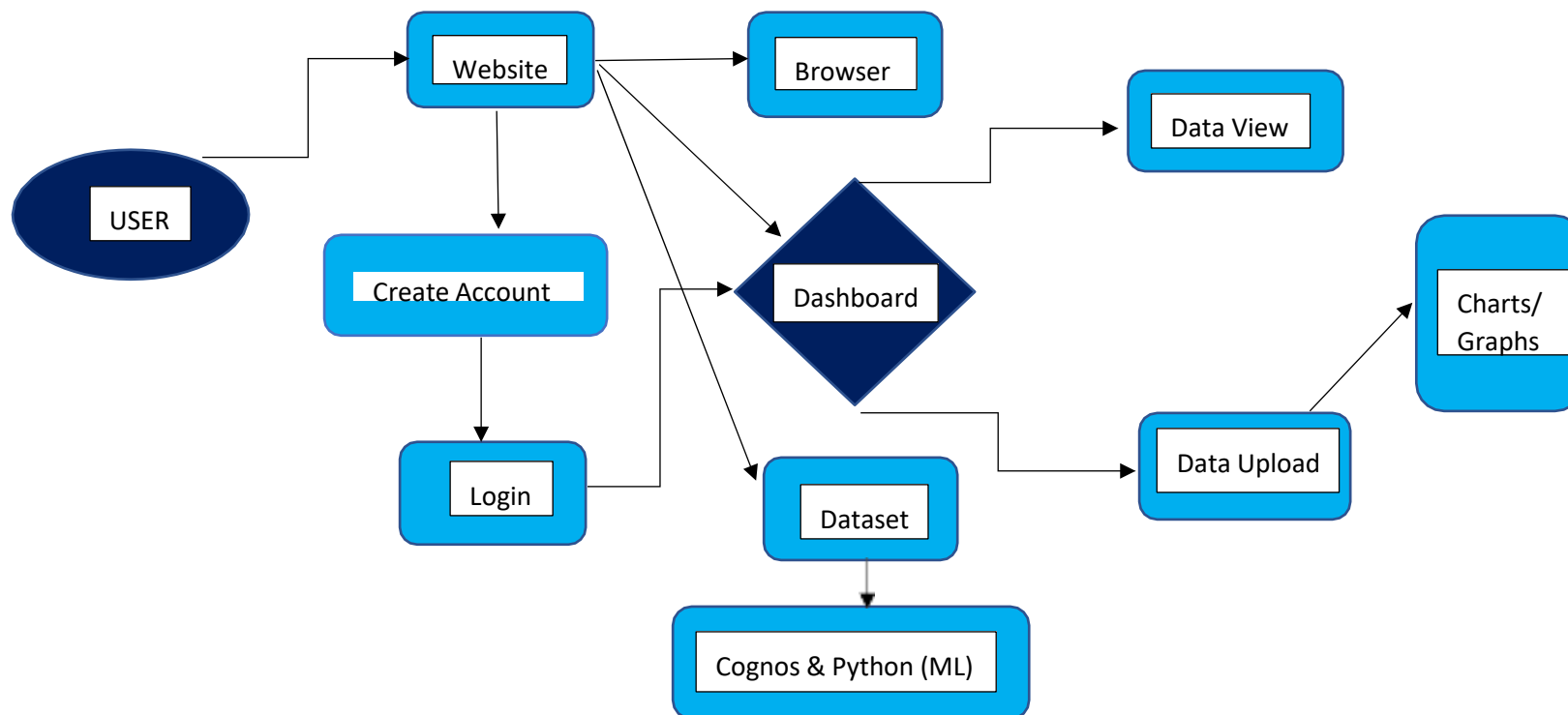
## Project Design Phase-II

### Data Flow Diagram & User Stories

|               |  |
|---------------|--|
| Date          | 02 November 2022                                       |
| Team ID       | PNT2022TMID29392                                       |
| Project Name  | Project – Estimate The Crop Yield Using Data Analytics |
| Maximum Marks | 4 Marks  |

**Data Flow Diagrams:**

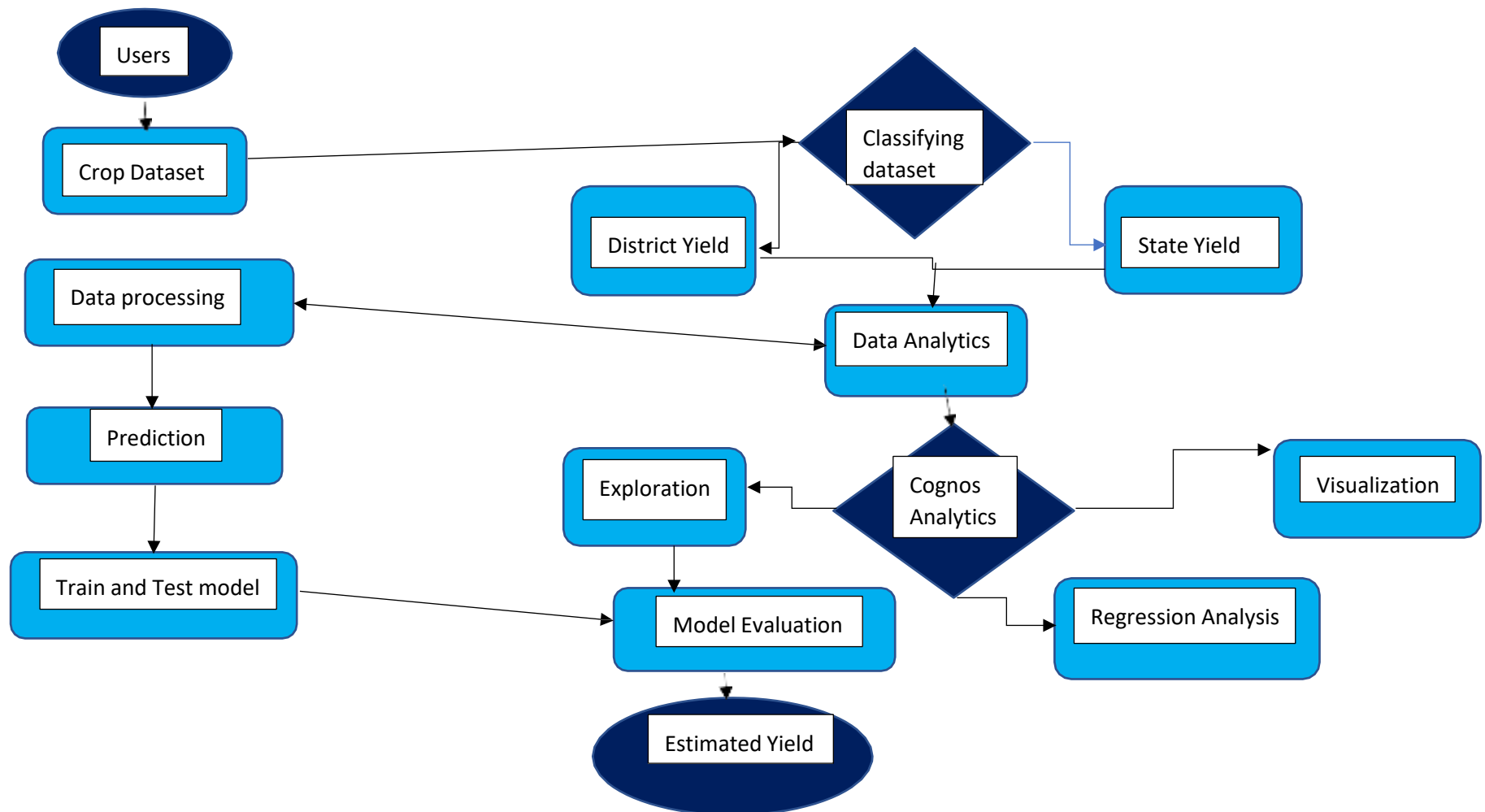
**Simplified Diagram:**



1. User can create account for analysis.

2. User can access application by any browser.
3. Selected data can be extracted.
4. Once user had registered I can login to it by the credentials.
5. User can access the dashboard. There user can view and upload the data
6. The notification for the user by browser on login on application. 7. Extracted data is passed to data analytics for enrichment
8. Enriched data is visualized using the cognos and ML.

**DFD Level 0 (Industry Standard):**



## 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, password, and confirming my password.           | I can access my account / dashboard  | 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 |
|                         |                               | USN-3             | As a user, I can register for the application through Facebook  | I can register & access the dashboard with Facebook Login                      | Low      | Sprint-2 |
|                         |                               | USN-4             | As a user, I can register for the application through Gmail   |  | Medium   | Sprint-1 |
|                         | Login                         | USN-5             | As a user, I can log into the application by entering email & password  |  | High     | Sprint-1 |
|                         | Dashboard                     | USN-6             | I can access the dashboard of mine.   |  | Medium   | Sprint-2 |
| Customer (Web user)     | Access resources              | USN-7             | I can use my credentials for accessing my resources.  | Other than me, there is less chance to access my resources.                    | High     | Sprint-1 |
| Customer Care Executive |                               | USN-8             | As customer care executive I will always be available for the interaction with the customer to clarify the queries. | An executive will note down the customers complaints and solve their problems. | High     | Sprint-2 |
| Administrator           | Updating data                 | USN-9             | Collecting the data and store it  | Checking and updating dataset  | High     | Sprint-1 |
| Customer tools          | Tools                         | USN-10            | I can perform analysis by tools (cognos and with ML)  | I have an ease of accessing tools.   | High     | Sprint-1 |