

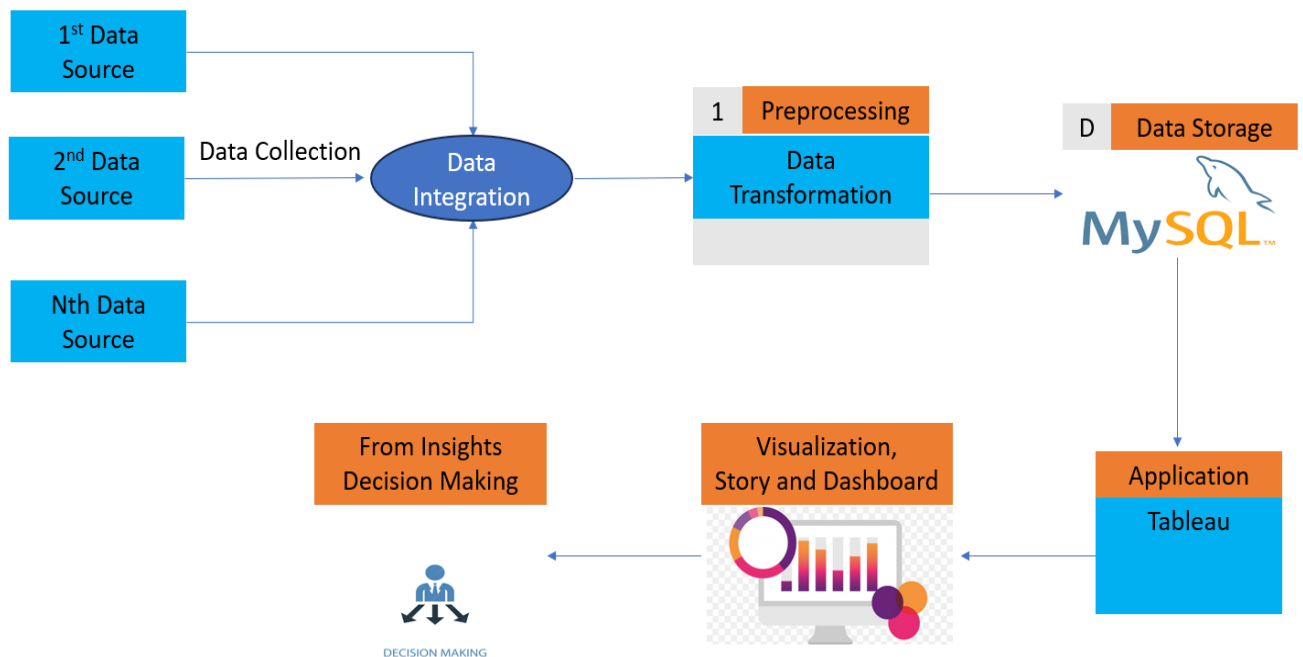
Project Design Phase

Data Flow Diagram & User Stories Template

Project Name: - Sugarcane Production Analysis

Data Flow Diagram:

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.



User Stories:-

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Project setup & Infrastructure	USN-1	Set up the Tableau project environment with the necessary configurations and data connections to initiate the sugarcane production analysis.	I can access the Tableau project environment. The necessary data sources for sugarcane production are connected.	High	Sprint-1
	Data Collection & Integration	USN-2	Gather a diverse dataset of sugarcane production data, including historical records, climate data, market trends, and socioeconomic indicators for training the Tableau analytics model.	A diverse dataset is collected and prepared for integration. Data integration into Tableau is successful. Basic data quality checks are performed.	High	Sprint-1
	User Registration	USN-3	As a user, I can register for the sugarcane production analysis application.	I can register for the application through Facebook. After registration, I can access the Tableau dashboard with Facebook login.	Medium	Sprint-2

		USN-4	As a user, I can register for the sugarcane production analysis application through Gmail.	I can register for the application through Gmail.	Medium	Sprint-1
	User Login	USN-5	As a user, I can log into the sugarcane production analysis application by entering my email and password.	I can log into the application using my email and password.	High	Sprint-1
	Dashboard	USN-6	As a user, I can access an interactive and informative dashboard displaying insights into sugarcane production.	The dashboard provides visualizations on sugarcane production trends. Users can interact with the dashboard to explore different aspects of the data.	High	Sprint-2