Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	PNT2025TMID02625
Project Name	Global Food Production trends and Analysis:A Comprehensive Study from 1961 to 2023 Using Power BI
Maximum Marks	4 Marks

Data Flow Diagrams:
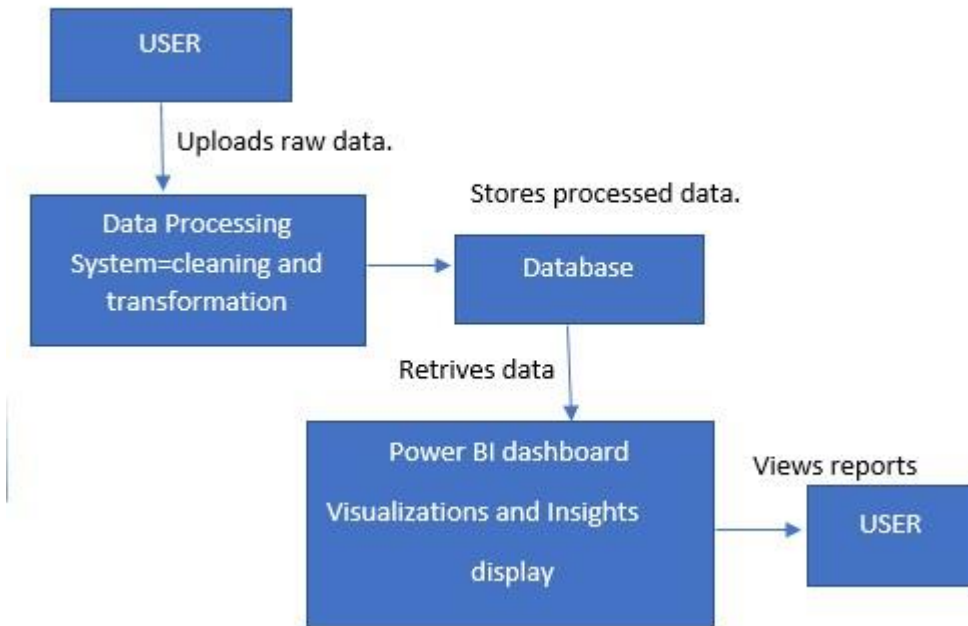
Level 0 Data Flow Diagram (DFD) for Global Food Production Trends And Analysis:
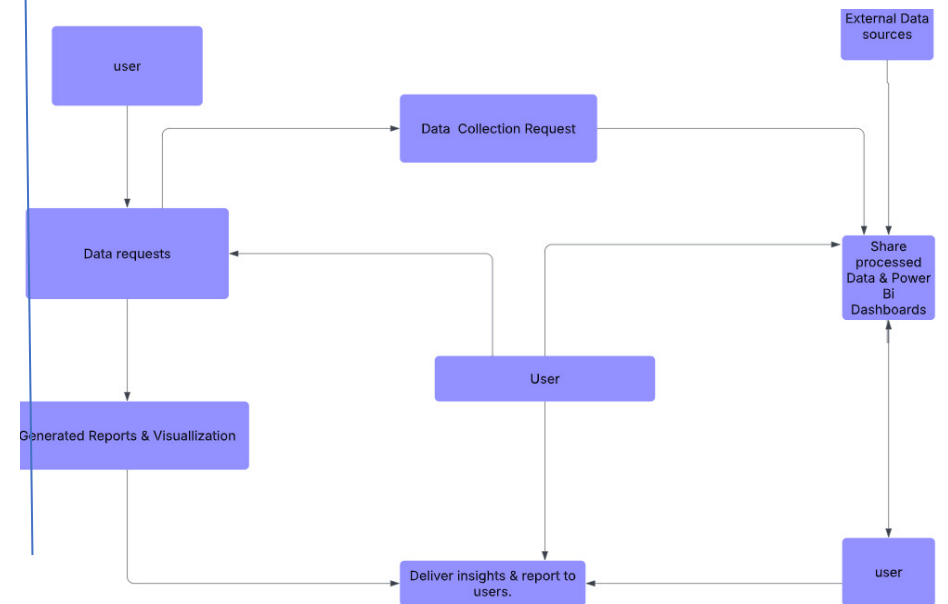
User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Data Analyst	Data Collection	USN-1	As a data analyst, I can collect and load global food production datasets 1961 to 2023	Data is successfully stored in the database.	High	Sprint-1
Data Analyst	Data Cleaning	USN-2	As a data analyst, I can clean and preprocess the dataset to remove inconsistencies.	Data has no missing or inconsistent values.	High	Sprint-1
BI Developer	Data Transformation	USN-3	As a BI developer, I can normalize and merge datasets for analysis.	Data is formatted correctly for visualization.	Medium	Sprint-2
BI Developer	Visualization	USN-4	As a BI developer, I can create dashboards to show food production trends.	Dashboard displays accurate trend analysis.	High	Sprint-3
Researcher	Insights & Reporting	USN-5	As a researcher, I can analyze food production trends by region and crop type.	Report includes correlations and key insights.	Medium	Sprint-4
End User	Report Access	USN-6	As an end user, I can access and download the final reports on food production.	Users can download reports in PDF format.	High	Sprint-4