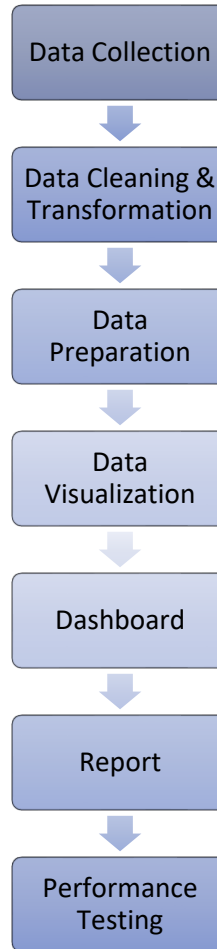


**Project Design Phase-II**  
**Data Flow Diagram & User Stories**

Date	10 March 2025
Team ID	PNT2025TMID06655
Project Name	Global Malnutrition Trends: A Power BI Analysis (1983-2019)
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.



## User Stories

Use the below template to list all the user stories for the product.

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 want to collect act malnutrition data from reliable sources such as UNICEF and WHO.	Data is collected from verified sources.	High	Sprint-1
Data analyst	Data Cleaning & Transformation	USN-2	As a data analyst, I want to clean the data set by removing duplicates and handling missing values.	The data set should be error free and standardized.	Medium	Sprint-1
Data analyst	Data Preparation	USN-3	As a data analyst, I want to prepare the data for Visualization.	Data must be complete, accurate, cleaned (no duplicates or missing values), properly formatted, and optimized for efficient processing.	Medium	Sprint-1
Data analyst	Data Visualization	USN-4	As a data analyst, I want to visualize malnutrition trends using Power BI. So that I can generate meaningful insights.	Power BI dashboards should include charts and trend analysis.	High	Sprint-2
Data analyst	Dashboard	USN-5	As a data analyst, I want to develop an interactive Power BI dashboard to visualize global malnutrition trends, enabling data-driven decision-making.	The dashboard must load within 5 seconds, display clear and accurate visualizations, support interactive filtering, and allow easy report export.	High	Sprint-2
Data analyst	Report	USN-6	As a data analyst, I want to generate a comprehensive Power BI report on global malnutrition trends with key insights, visualizations, and export options.	The report must be accurate, well-structured, visually clear, support multiple export formats (PDF, Excel, PPT), and provide actionable insights.	High	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Data analyst	Performance Testing	USN-7	As a data analyst, I want to Check all the data like how many amount of data load, utilization of filters, no of visualization/ Graphs.	The dashboard must efficiently handle the full dataset load, support seamless filter utilization, render all visualizations without lag, and maintain optimal query performance under heavy usage.	High	Sprint-2
Public Health Researcher	Trend analysis	USN-8	As a researcher, I want to analyse the relationship between malnutrition and economic level is.	Identify correlations between in come level is and malnutrition rates.	High	Sprint-2
Policy maker	User access and interaction	USN-9	As a policy maker, I want to generate reports for decision-making.	Reports should include malnutrition hotspots and policy recommendations.	High	Sprint-2
NGO/ Government official	Data Export	USN-10	As a NGO official, I want to identify high-risk are as for immediate intervention.	Data should help n targeting severely malnourished regions.	High	Sprint-2