

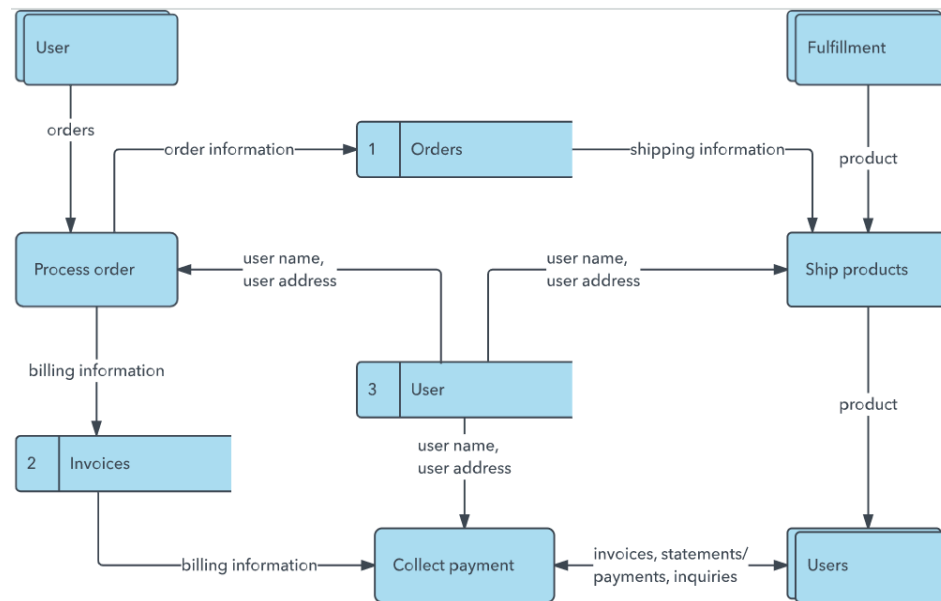
Project Design Phase-II

Data Flow Diagram & User Stories

Date	15 March 2025
Team ID	PNT2025TMID07288
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:

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 Stories Table for Global Food Production Trends and Analysis

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 a 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.	I can log in via Gmail authentication	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password.	I can log in successfully	High	Sprint-1
	Dashboard	USN-6	As a user, I can view real-time global food production trends on a dashboard.	I can see charts, graphs, and trends	High	Sprint-1
		USN-7	As a user, I can apply filters to view specific food production data by region, year, or commodity.	I can refine data visualization	High	Sprint-2

Customer (Web user)	Data Visualization	USN-8	As a researcher, I can generate detailed reports based on food production trends.	I can download/export reports	High	Sprint- 2
	Insights & Analytics	USN-9	As a user, I can compare historical and current food production data to identify trends.	I can see insights from 1961-2023	High	Sprint- 2
Customer Care Executive	Support System	USN-10	As a support executive, I can view and respond to user inquiries related to food production data.	I can see inquiries and reply to users	Medium	Sprint- 3

Administrator	Data Management	USN-11	As an admin, I can upload and manage global food production datasets.	I can update and validate data	High	Sprint-1
	Performance Monitoring	USN-12	As an admin, I can monitor dashboard performance and optimize Power BI queries.	I can check system load and response times	High	Sprint-3