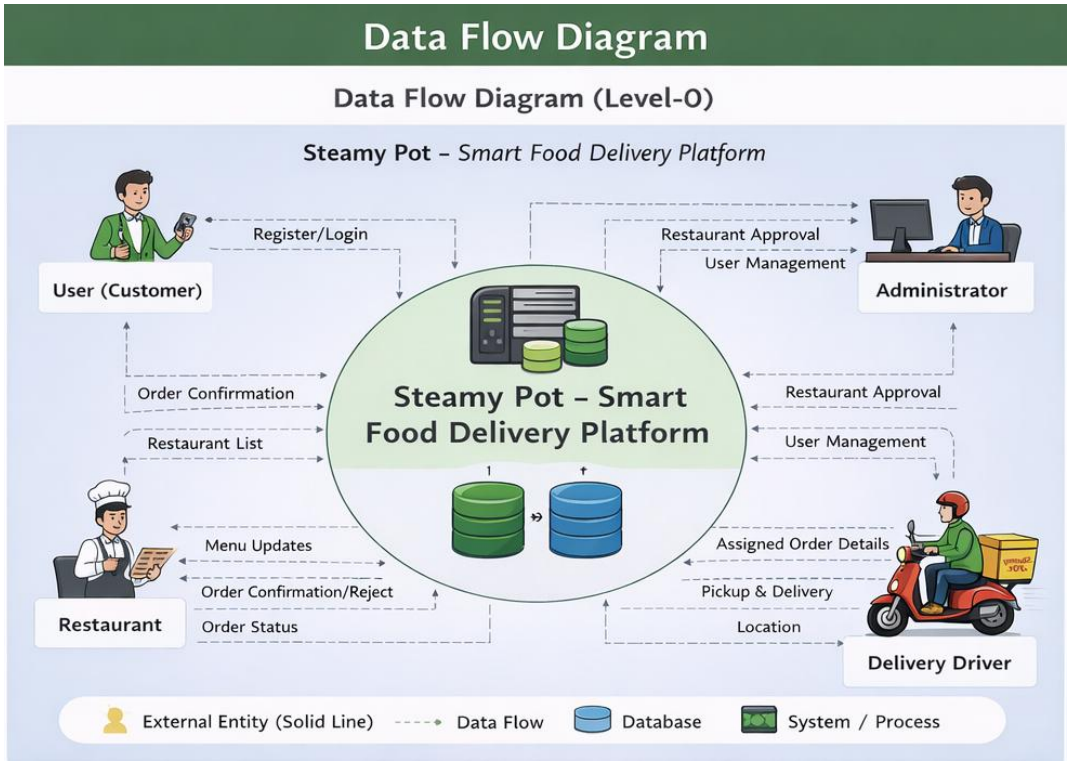
Project Design Phase-II
Data Flow Diagram & User Stories

Date	19 February 2026
Team ID	LTVIP2026TMIDS87679
Project Name	Steamy Pot – Smart Food Delivery Platform
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 Table – Steamy Pot (MERN Stack)

Customer (Mobile User)

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Mobile)	Registration	USN-1	As a user, I can register using email and password.	Account is created and user can access dashboard.	High	Sprint-1
Customer (Mobile)	Login	USN-2	As a user, I can log in using valid credentials.	Successful login redirects to home page.	High	Sprint-1
Customer (Mobile)	Browse Restaurants	USN-3	As a user, I can view restaurants based on my location.	Restaurants are filtered by location.	High	Sprint-1
Customer (Mobile)	View Menu	USN-4	As a user, I can view menu items of a selected restaurant.	Menu items display with price and description.	High	Sprint-1
Customer (Mobile)	Cart Management	USN-5	As a user, I can add, remove, or update items in my cart.	Cart updates instantly and reflects correct total.	High	Sprint-1
Customer (Mobile)	Place Order	USN-6	As a user, I can place an order with selected payment method.	Order ID is generated and status is visible.	High	Sprint-1
Customer (Mobile)	Track Order	USN-7	As a user, I can track order status in real-time.	Order status updates (Placed → Confirmed → Delivered).	High	Sprint-1
Customer (Mobile)	Social Recommendation	USN-8	As a user, I can receive restaurant suggestions based on trusted contacts.	Restaurants are recommended using anonymized social data.	Medium	Sprint-2
User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Customer (Mobile)	Registration	USN-1	As a user, I can register using email and password.	Account is created and user can access dashboard.	High	Sprint-1
Customer (Mobile)	Login	USN-2	As a user, I can log in using valid credentials.	Successful login redirects to home page.	High	Sprint-1
Customer (Mobile)	Browse Restaurants	USN-3	As a user, I can view restaurants based on my location.	Restaurants are filtered by location.	High	Sprint-1

Restaurant

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Restaurant	Registration	USN-9	As a restaurant, I can register on the platform.	Registration submitted for admin approval.	High	Sprint-1
Restaurant	Menu Management	USN-10	As a restaurant, I can add/edit/delete food items.	Menu updates reflect immediately.	High	Sprint-1
Restaurant	Order Management	USN-11	As a restaurant, I can accept or reject orders.	Order status updates correctly in system.	High	Sprint-1
Restaurant	Order Status Update	USN-12	As a restaurant, I can update preparation status.	Status visible to user and driver.	High	Sprint-1

Delivery Driver

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Delivery Driver	Registration	USN-13	As a driver, I can register on the platform.	Driver account created after admin approval.	High	Sprint-1
Delivery Driver	Availability	USN-14	As a driver, I can toggle online/offline status.	Only online drivers receive assignments.	High	Sprint-1
Delivery Driver	Accept Order	USN-15	As a driver, I can accept assigned delivery orders.	Assigned order appears in dashboard.	High	Sprint-1
Delivery Driver	Delivery Update	USN-16	As a driver, I can update delivery status.	Status updates to “Out for Delivery” and “Delivered.”	High	Sprint-1

Administrator

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
Administrator	Restaurant Approval	USN-17	As an admin, I can approve or reject restaurants.	Only approved restaurants go live.	High	Sprint-1
Administrator	User Management	USN-18	As an admin, I can manage users and drivers.	Admin can block/unblock accounts.	Medium	Sprint-2
Administrator	Platform Monitoring	USN-19	As an admin, I can monitor orders and activity.	Dashboard shows analytics and reports.	Medium	Sprint-2