Project Design Phase-II
Data Flow Diagram & User Stories
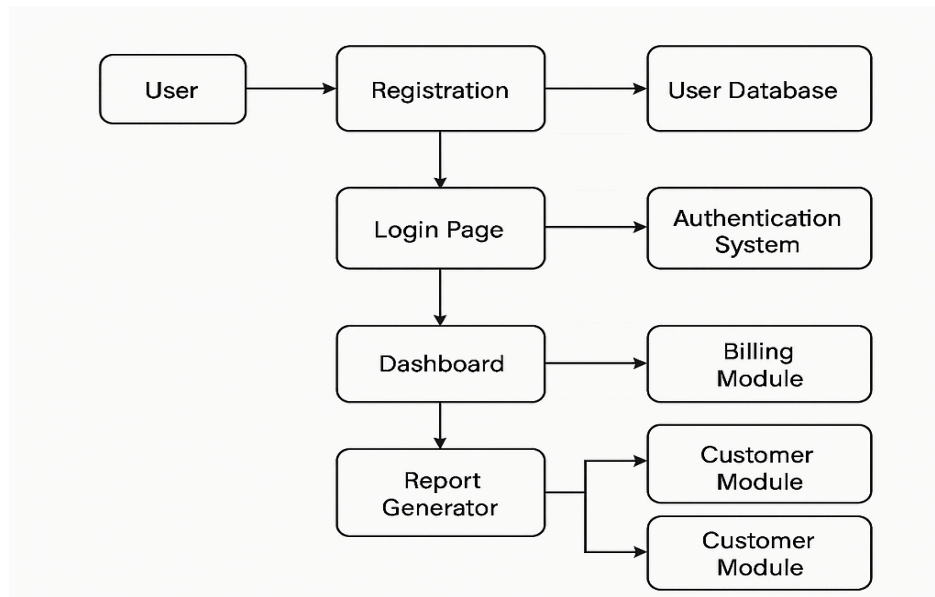
Date	25 June 2025
Team ID	LTVIP2025TMID31434
Project Name	CRM Application for Jewel Management-(Developer)

Data Flow Diagrams:

A Data Flow Diagram (DFD) visualizes how data moves within the jewel management system:

- **User** initiates the process by registering in the system.

- The **Registration** module handles input and stores details in the **User Database**.

- After registration, users interact through the **Login Page**, which communicates with the **Authentication System** for validation.

- On successful login, users reach the **Dashboard**, which connects to:

    - **Item Module** – for viewing and managing jewelry items.

    - **Billing Module** – for invoice generation and payment.

    - **Customer Module** – for customer data and service history.

- The **Dashboard** also links to a **Report Generator** that compiles sales, inventory, and customer data for reporting.

Example: **(Simplified)**

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
Customer (Mobile user)	Registration	USN-1	As a user, I can register using email and password.	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive a confirmation email after registration.	I can receive confirmation email & click confirm	High	Sprint-1
		USN-3	As a user, I can register via LinkedIn	I can register & access the dashboard with Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register via Gmail.	I can authenticate and access the dashboard with Gmail.	Medium	Sprint-1
	Login	USN-5	As a user, I can log in using email & password.	I can log in successfully and reach the dashboard.	High	Sprint-1
	Dashboard	USN-6	As a user, I can view available jewelry items and categories.	I can see product images, prices, and details.	High	Sprint-2
	Purchase	USN-7	As a user, I can add jewelry items to cart and place orders.	I can check out, make payment, and receive confirmation.	High	Sprint-2
	Profile	USN-8	As a user, I can update my personal profile (phone, address, etc.).	Changes reflect in my account profile.	Medium	Sprint-2

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Web user)	Dashboard	USN-9	As a web user, I can view my order history and current orders.	Orders are listed with item name, price, and status	Medium	Sprint-2
	Profile	USN-10	As a web user, I can edit my account information.	I can update and save changes to my profile.	Medium	Sprint-2
	Wishlist	USN-11	As a web user, I can save jewelry items to a wishlist for future purchase.	Items saved to wishlist remain in my account.	Low	Sprint-3
Customer Care Executive	Order Management	USN-12	As an executive, I can view and update customer orders.	I can update order status to packed, shipped, or delivered.	High	Sprint-2
	Customer Support	USN-13	As an executive, I can handle customer queries and complaints.	I can respond and resolve support tickets from customers.	High	Sprint-3
	Billing Support	USN-14	As an executive, I can resend invoices or bills to customers	The customer receives a new bill/invoice via email	Medium	Sprint-3
Administrator	Role Management	USN-15	As an admin, I can create, update, and delete user roles.	Roles reflect correctly across the application.	High	Sprint-3
	Price Management	USN-16	As an admin, I can manage jewelry pricing and apply seasonal discounts.	Pricing updates reflect in the item listings.	High	Sprint-3
	Inventory Management	USN-17	As an admin, I can track item stock levels and update inventory.	Items show correct availability status	High	Sprint-3
	Reports & Analytics	USN-18	As an admin, I can generate sales and inventory reports	Reports downloadable as PDF/Excel with accurate data.	High	Sprint-3
	Access Control	USN-19	As an admin, I can restrict or allow access to specific modules for each role.	Users only see modules allowed for their role	High	Sprint-3