

Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 January 2025
Team ID	LTVIP2025TMID33870
Project Name	Pattern Sense: Classifying Fabric Patterns using Deep Learning
Maximum Marks	4 Marks

Data Flow Diagrams (DFDs) – Pattern Sense Project:

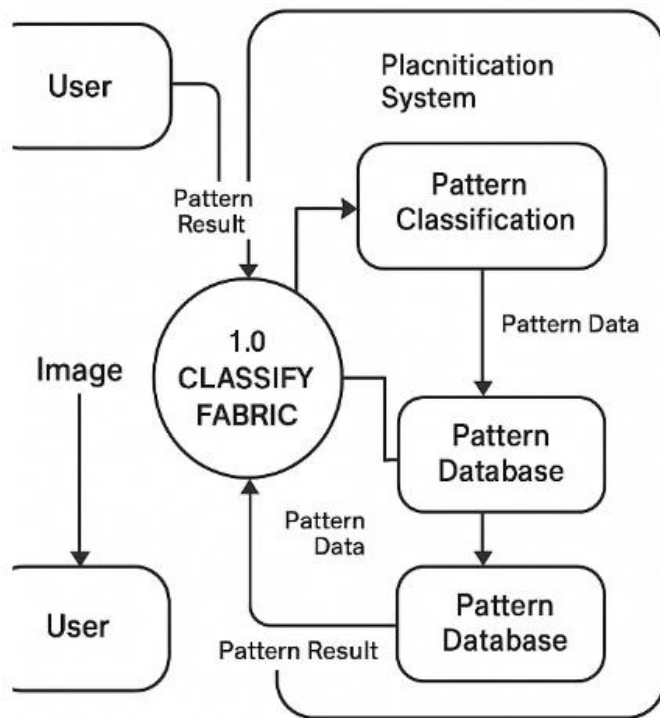
A Data Flow Diagram (DFD) is a visual representation of the flow of data in a system. For the *Pattern Sense* project, DFDs illustrate how fabric images uploaded by users are processed by the system to classify their patterns using a deep learning model.

- **DFD Level 0 (Simplified):** Shows the basic process where the user uploads an image, the system classifies it, and returns the fabric pattern.
- **DFD Level 0 (Detailed):** Includes internal components like the classification module, pattern database, and feedback system, representing the data movement and processing more thorough.

Example: [Simplified](#)

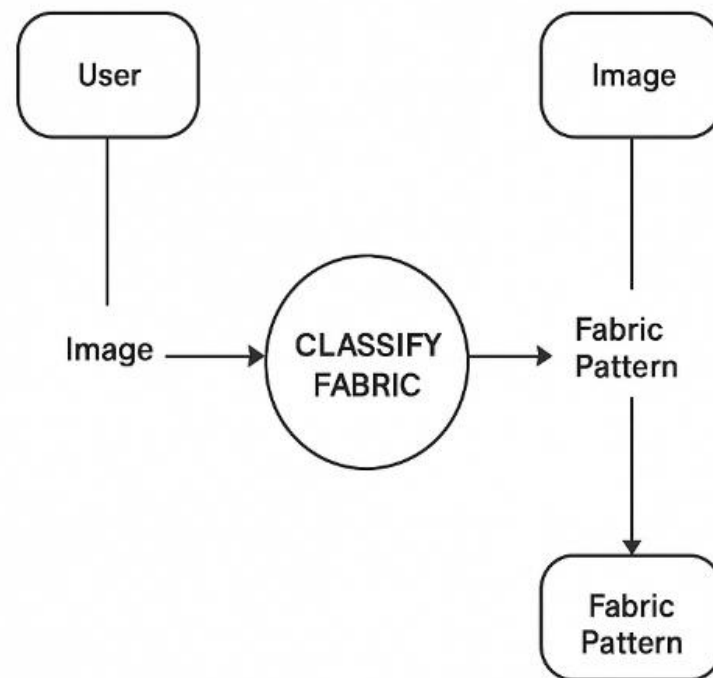
Pattern Sense: Classifying Fabric Patterns using Deep Learning

DFD Level 0 (Industry Standard)



Pattern Sense: Classifying Fabric Paterns using Deep Learning

DFD Level 0 (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 for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Customer (Mobile user)	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
Customer (Mobile user)	Registration (Social Login)	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
Customer (Mobile user)	Upload Fabric Image	USN-4	As a user, I can register for the application through Gmail	Image is uploaded and sent to the system	Medium	Sprint-1