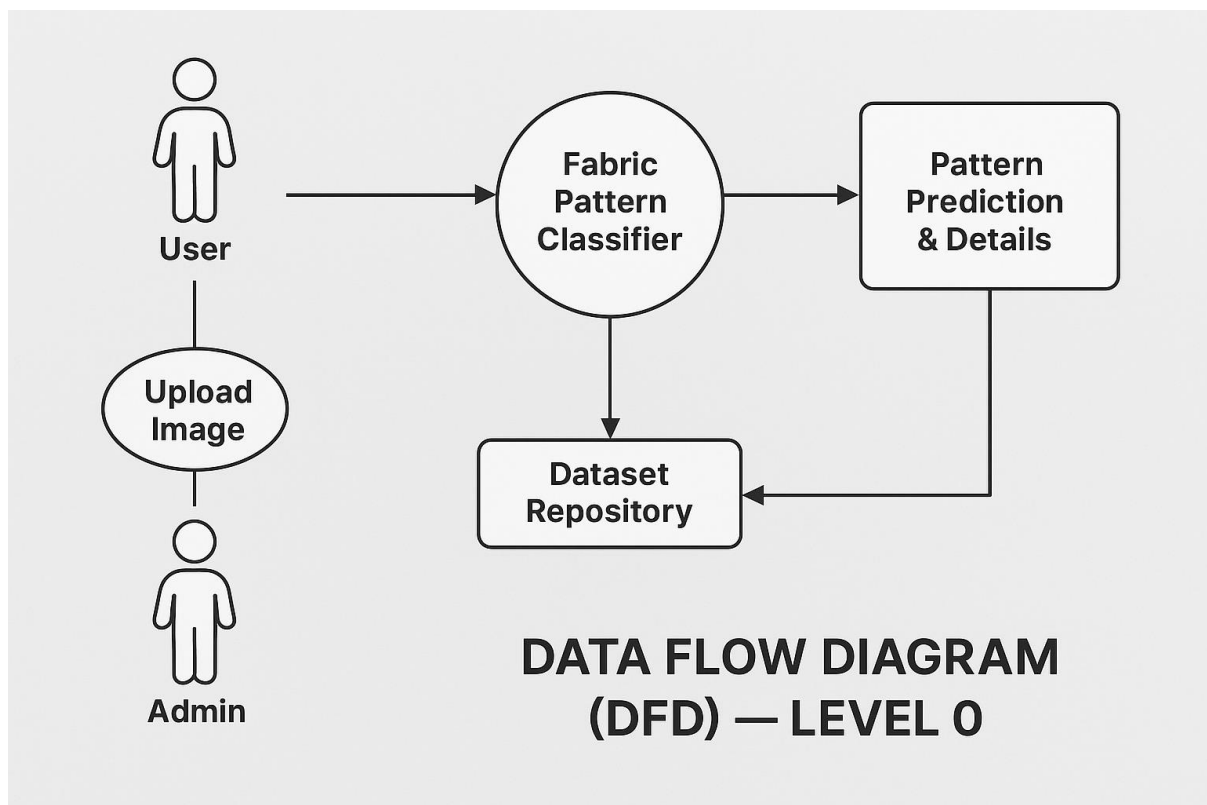


Project Design Phase-II

Data Flow Diagram & User Stories

Date	24 June 2025
Team ID	LTVIP2025TMID35513
Project Name	pattern sense: classifying fabric patterns using deep learning
Mentor Name	Dr Shaik Salma Begam
Maximum Marks	4 Marks

Data Flow Diagram (DFD)



Description:

- Users can upload fabric images for pattern classification.
- Deep learning model classifies the fabric pattern and provides detailed information.
- Admin manages datasets and updates models to improve accuracy.

- System provides feedback and maintains logs for monitoring.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance Criteria	Priority	Release
User (Mobile/Web)	Fabric Image Upload	USN-1	As a user, I can upload fabric images to the platform for classification.	I can successfully upload images.	High	Sprint-1
User (Mobile/Web)	Classification Result	USN-2	As a user, I can view predicted fabric pattern categories after uploading an image.	I can see the predicted pattern.	High	Sprint-1
User (Mobile/Web)	View Pattern Details	USN-3	As a user, I can see detailed information (pattern name, description, usage suggestions).	I can access detailed pattern info.	Medium	Sprint-1
Admin	Dataset Management	USN-4	As an admin, I can add, edit, and manage fabric pattern datasets used for training the model.	Admin can manage dataset successfully.	High	Sprint-1
Admin	Model Monitoring & Update	USN-5	As an admin, I can monitor model performance and upload new versions of the model if needed.	Model status and update logs available.	High	Sprint-2

Admin	User Manageme nt	USN-6	As an admin, I can view and manage registered users and their uploads.	Can manage users and view uploads.	Mediu m	
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