Project Design Phase-II
Data Flow Diagram & User Stories
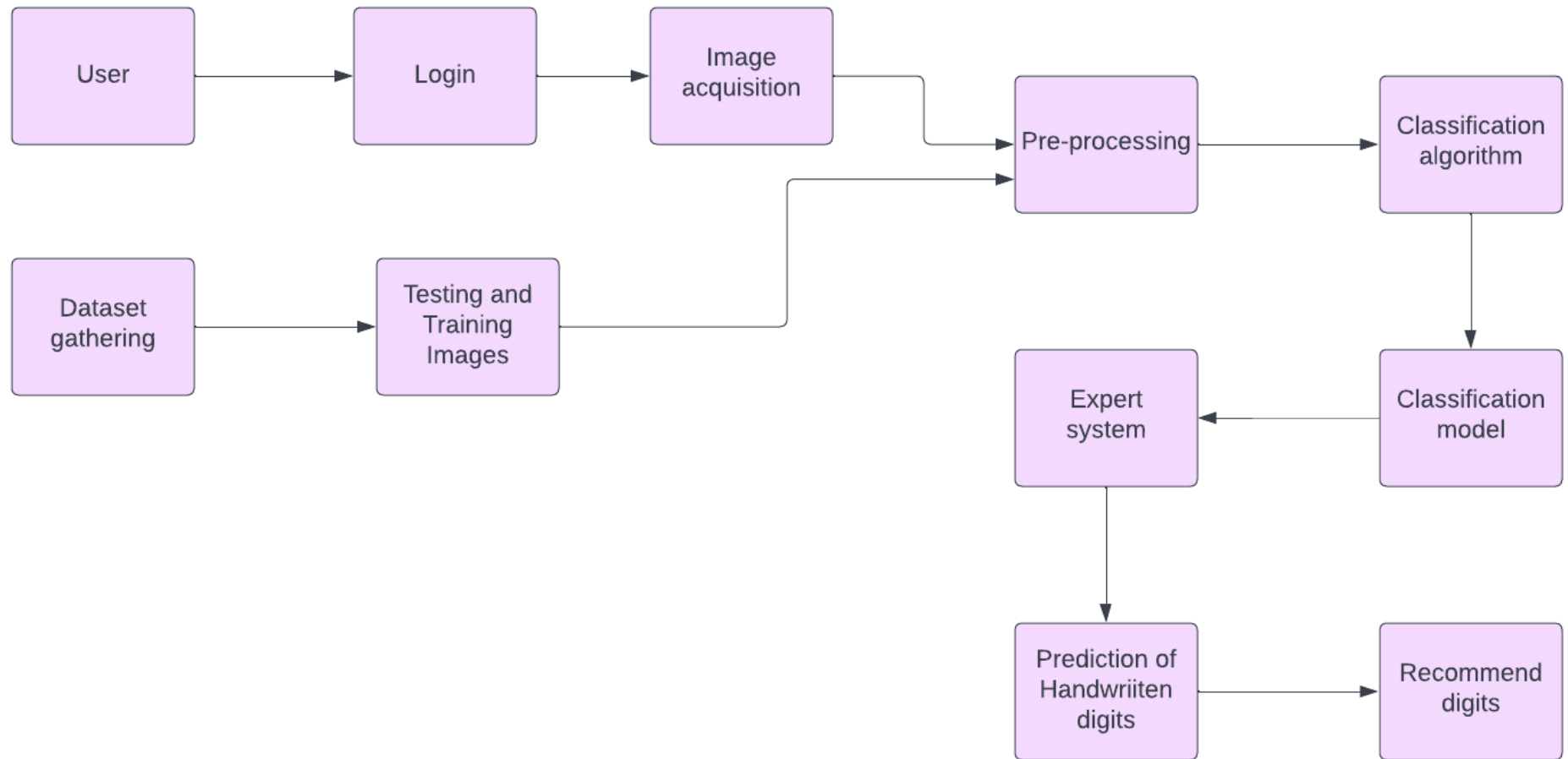
Date	27 October 2022
Team ID	PNT2022TMID03792
Project Name	A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

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.

DFD 0:(Industry Standard)

```
User  →  Login  →  Image acquisition  ───┐
                                          ↓
Dataset gathering  →  Testing and Training Images  →  Pre-processing  →  Classification algorithm
                                                                                ↓
                                                       Expert system  ←  Classification model
                                                            ↓
                                              Prediction of Handwriiten digits  →  Recommend digits
```
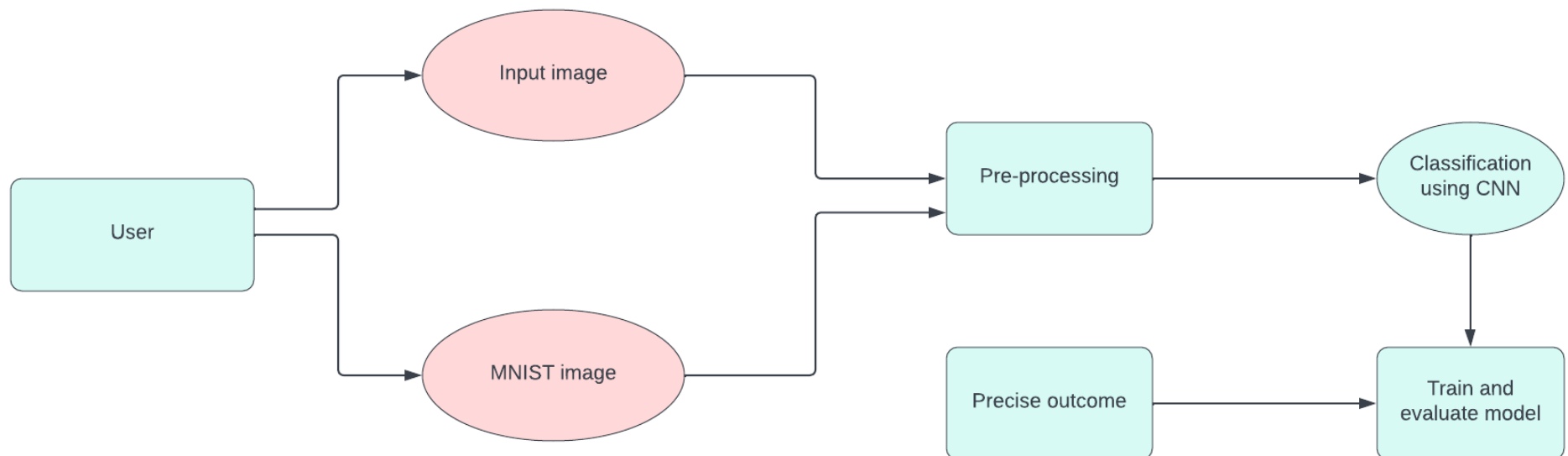
User Stories

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, and password, and confirming my password.	I can access my account or 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 a confirmation email and confirm it	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook	I can register and access the dashboard through Facebook Login	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail		Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering my email & password		High	Sprint-1
	Dashboard	USN -6	Visit the dashboard for accessing the features of the application	I'm also capable of understanding instructions, and the homepage is user-friendly.	Low	Sprint-1
Customer (Web user)	Login	USN-7	I can access the application as a user by providing my login credentials.	I can log in to my account.	Medium	Sprint-4
Customer Care Executive	Dashboard	USN-8	Upload the image	Recognizing the input and receiving it.	High	Sprint-1
Administrator	Security	USN-9	Features have been updated.	Performing a security check.	Medium	Sprint-1