Project Design Phase-II
Data Flow Diagram & User Stories

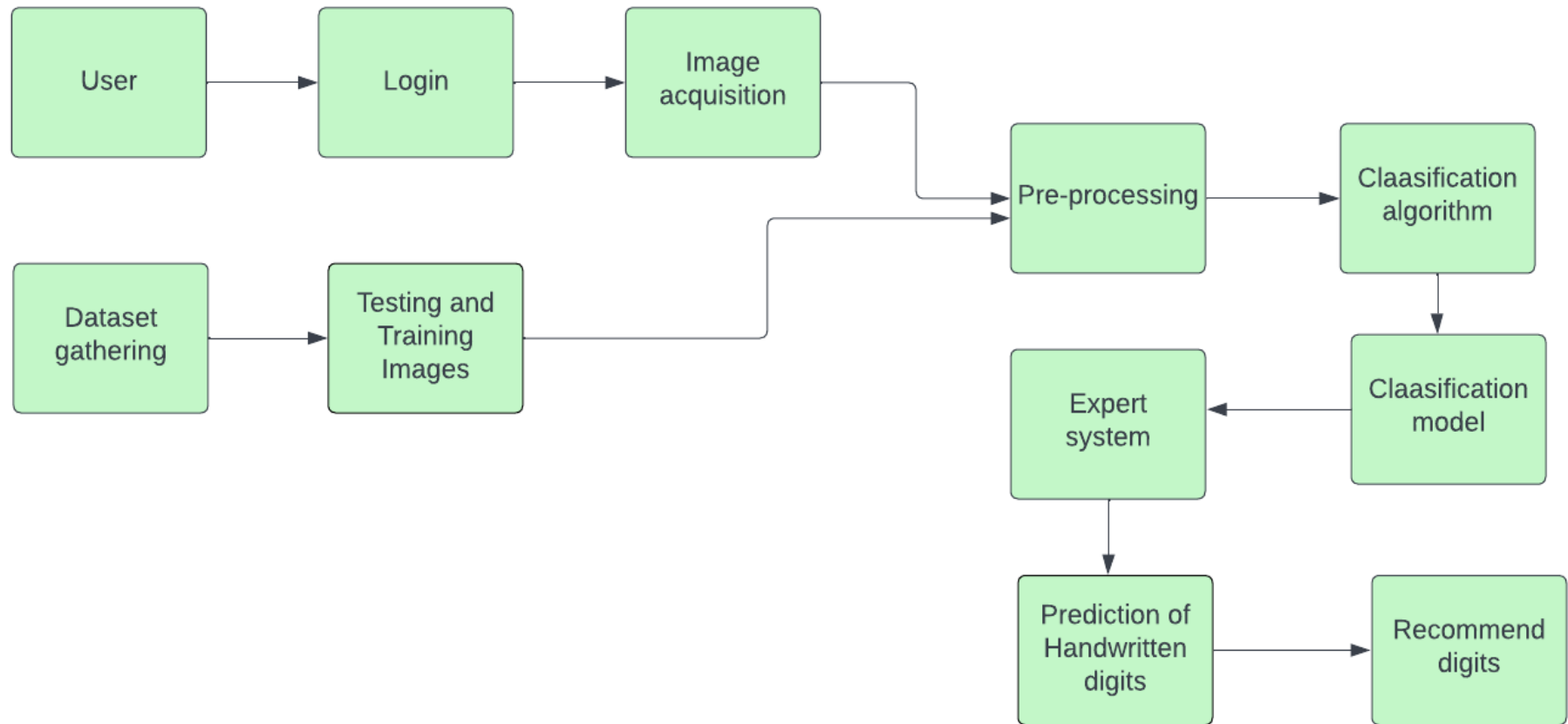| Date	19 October 2022
Team ID	PNT2022TMID03914
Project Name	Project - A Novel Method for Handwritten Digit Recognition System
Maximum Marks	4 Marks

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    →  Testing and  →  Pre-processing  →  Claasification
gathering     Training                           algorithm
              Images                                  ↓
                              Expert     ←   Claasification
                              system          model
                                 ↓
                              Prediction of  →  Recommend
                              Handwritten       digits
                              digits
```
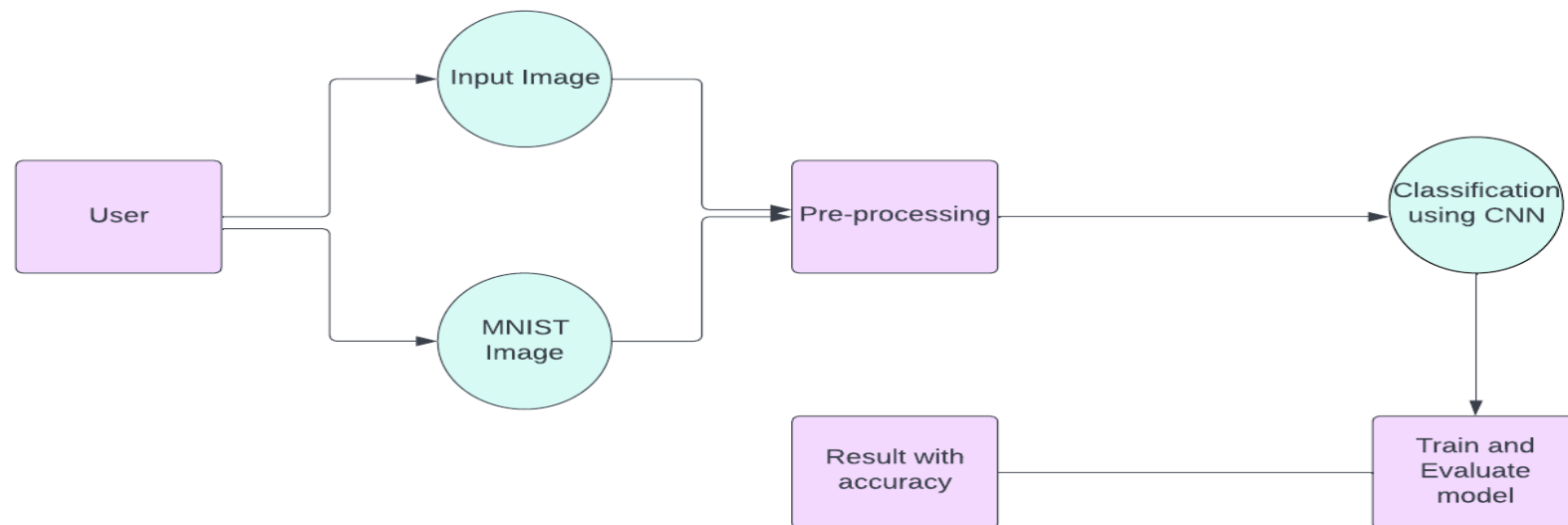
User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Registration	USN-1	I can sign up for the application as a user by providing my email address, a password, and a password confirmation.	I can access my dashboard or account.	High	Sprint-1
		USN-2	When I register for the application as a user, I will get a confirmation email.	I can get a confirmation email and confirm it.	High	Sprint-1
		USN-3	I can sign up for the application as a user through Facebook.	I can log in to Facebook to register and access the dashboard.	Low	Sprint-2
		USN-4	I can register for the application through as a user through Gmail		Medium	Sprint-1
	Login	USN-5	I can log into the application by entering email & password as a user		High	Sprint-1
	Dashboard	USN-6	Visit the dashboard for accessing the features of the application	Additionally, I'm able to comprehend directions, and the homepage is user-friendly.	Low	Sprint-1
	Upload Image	USN-7	As a user, I can able to input the images of digital documents to the application	As a user, I can able to input the images of digital documents to the application	High	Sprint-3
	Predict	USN-8	I can obtain the recognised digit from the images of digital documents or photos as an end user.	From digital documents or photos, I may access the identified digits.	High	Sprint-3
		USN-9	I will train and evaluate the input as a user to ensure the output is as accurate as possible.	I'm able to train and test the application till the results are as accurate as possible.	Medium	Sprint-4
Customer (Web user)	Login	USN-10	As a user, I can use the application by entering my email and password.	I can access my account	Medium	Sprint-4
Customer Care Executive	Dashboard	USN-11	Upload the image	Recognizing and get the output	High	Sprint-1
Administrator	Security	USN-12	updated the features	checking the security	Medium	Sprint-1