Project Design Phase-II

Data Flow Diagrams and User Stories

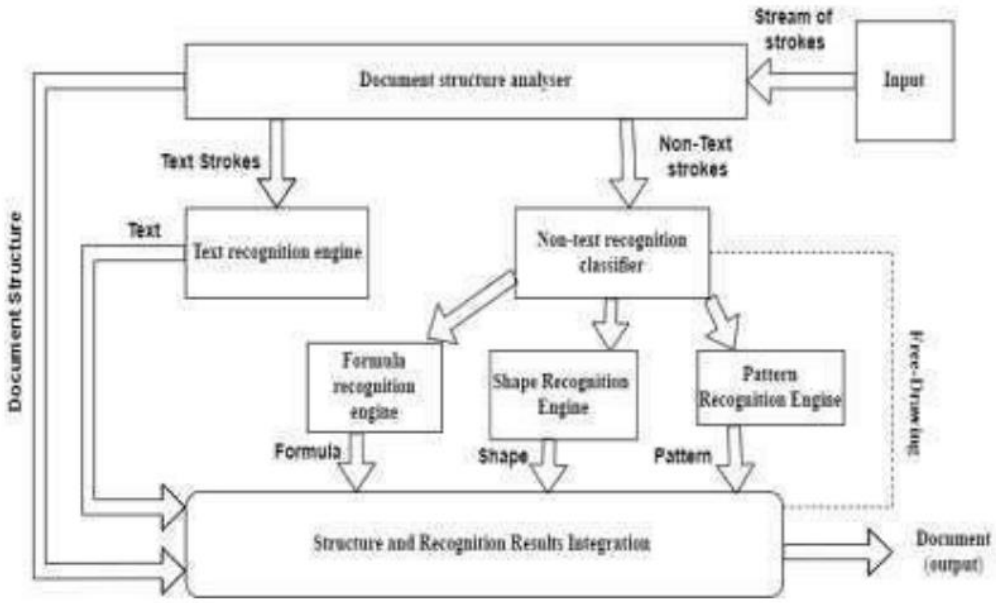
Date	22 October 2022
Team ID	PNT2022TMID18280
Project Name	A Novel Method for Handwritten Digit Recognition
Maximum Marks	4 Marks

Data flow diagram

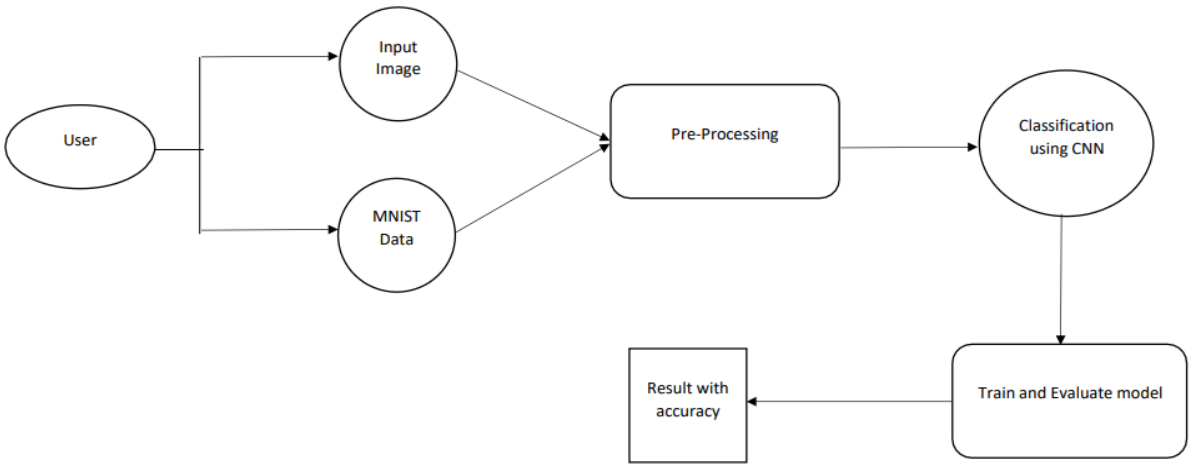
A **data-flow diagram** is a way of representing a flow of data through a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow — there are no decision rules and no loops.

DFD for Handwritten Digit Recognition

DFD Level 0 (Industry Standard)



Simplified Flow



User stories

User Type	Functional Requirement (Epic)	User Story Number	User Story/Task	Acceptance Criteria	Priority	Release
Customer (Mobile user)	Home	USN-1	As a user, I can view the guide to use this application	I can view the guide to use this application user friendly	Low	Sprint-1
		USN-2	As a user, I can read the instructions to use this application	I can read the instructions to use this application in user friendly manner.	Low	Sprint-2
		USN-3	A a user, I can view the guided video to use this application.	I can gain knowledge to use this application practically.	Low	Sprint-1
	Recognize	USN-4	As a user,in the prediction page,I get to choose the image	I can choose the image from the local system and predict the output	High	Sprint-2
	Predict	USN-5	As a user,I can access the MNIST dataset	I can access the MNIST dataset to get the accurate result.	Medium	Sprint-3
		USN-6	As a user,I can train the model and test the input.	I can train the model and test input until it gets maximum accuracy result.	High	Sprint-4
Customer (Web user)	Home	USN-7	As a user,I can view the guide to use the web application.	I can view the guide and awareness to use this web application.	Low	Sprint-1

		USN-8	As a user,I can read the instructions to use this web app.	I can read the instructions to use this web app in user friendly method.	Low	Sprint-2
		USN-9	As a user,I can view guided video to use the interface of this web app.	I can gain knowledge to use this application practically.	Low	Sprint-1
	Recognize	USN-10	As a user,I can use the web application virtually anywhere.	I can use this application anywhere as it is portable.	High	Sprint-1
		USN-11	As a user,I can use the web app at free cost as it is a open source.	I can use this without any payment to access it.	Medium	Sprint-2
	Predict	USN-12	As a user,I can access the MNIST dataset	I can access the MNIST dataset to get the accurate result.	Medium	Sprint-3
		USN-13	As a user,I can train the model and test the input.	I can train the model and test input until it gets maximum accuracy result.	High	Sprint-4