

ProjectDesign Phase-II DataFlowDiagram&UserStories

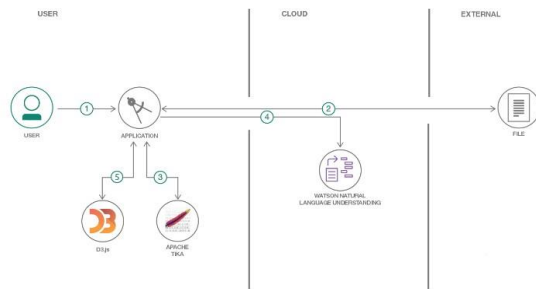
Date	October 2022
TeamID	PNT2022TMID19039
ProjectName	Project – A Novel based handwritten digitrecognition
MaximumMarks	4Marks

DataFlowDiagrams:

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.

Example:(Simplified)

Flow



1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.

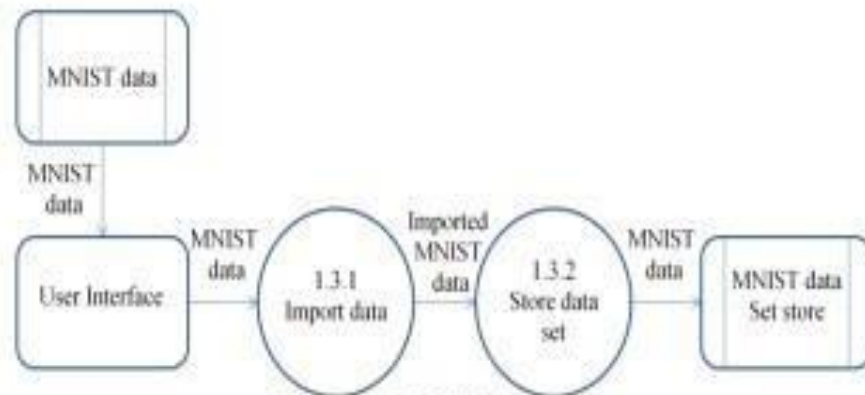


Figure 4 DFD level-2

DFDLEVEL -2

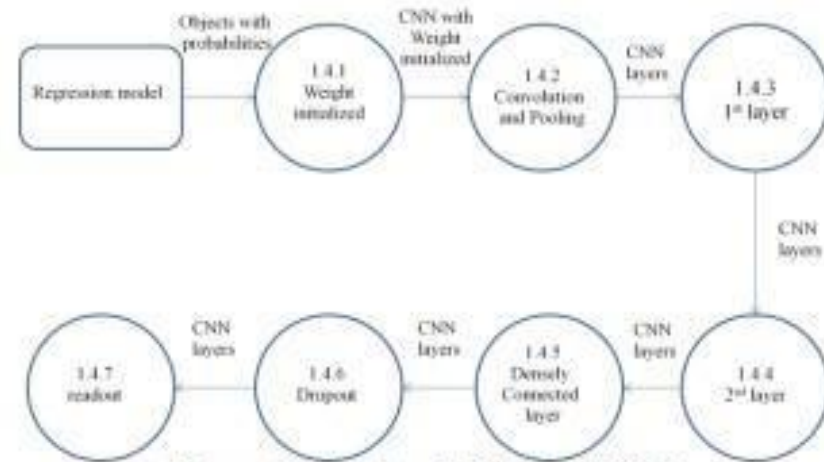


Figure 6 DFD level-2 (Build CNN)

DFDLEVEL -2(BUILD CNN)

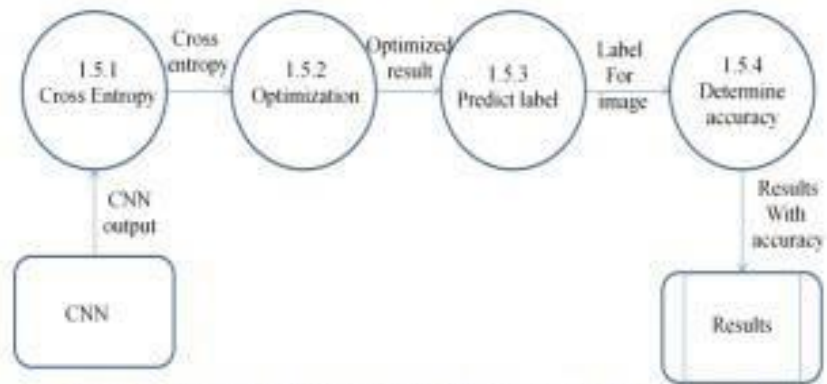


Figure 7 DFD level-2 (Train and Evaluate Model)

DFDLEVEL-2(TrainandEvaluateModel)

UserStories

Use the below template to list all the user stories for the product.

UserType	Functional Requirement (Epic)	UserStory Number	UserStory/Task	Acceptance criteria	Priority	Release
Customer (Digit Recognition)	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
	E-Mail	USN-2	As a user, I will receive a confirmation email once I have registered for the application	I can receive a confirmation email & click confirm	High	Sprint-1
	Facebook	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
	Gmail	USN-4	As a user, I can register for the application through Gmail	I can receive a confirmation from Gmail & I will click and confirm	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password	I can access and login into my account	High	Sprint-1
	Dashboard	USN-6	As a user, I can see the display of my all data	I can access my dashboard	High	Sprint-1
Customer (Webuser)	Customer Products	USN-7	As a customer, I can see and interact with the product	I can access with my product	High	Sprint-1
Customer Care Executive	Communication and presentation skills	USN-8	As an executive, I can communicate with customers when they have a problem	I can handle the situation according to my perspective	High	Sprint-1
Administrator	Describe the Inputs, Behaviors, the Outputs	USN-9	As an administrator, I can prepare, organize and store information in paper and digital form	I can access the all of the system information	High	Sprint-1