

Project Design Phase-II Data Flow Diagram & User Stories

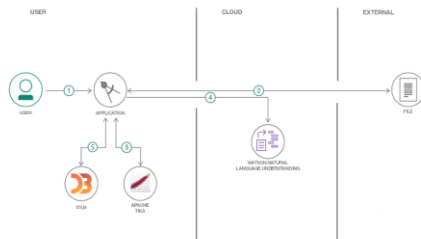
Date	03 October 2022
Team ID	PNT2022TMID08207
Project Name	Project – Smart Lender-Applicant Credibility Prediction For Loan Approval
Maximum Marks	4 Marks

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.

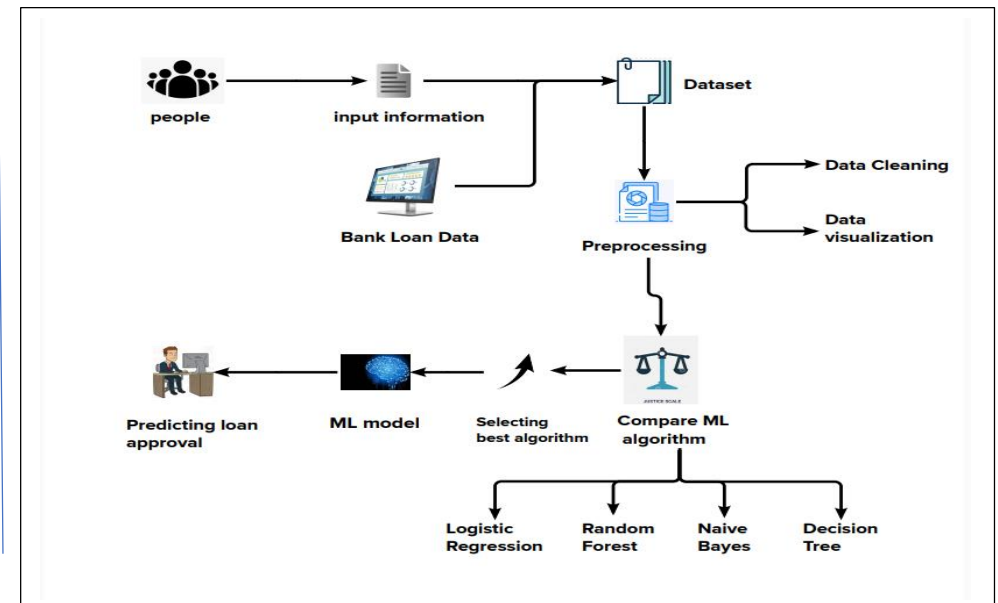
Example: (Simplified)

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.

Data Flow Diagram



User Stories

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

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, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
	Login	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
	Information	USN-3	As a user, I can view information about loan credibility, its eligibility and application methods	I can successfully view all the app	Low	Sprint-4
	User Input	USN-4	As a user, I can upload my files as input	I can see that my files have been applied successfully	Medium	Sprint-2
	Results	USN-5	As a user, I can log into the application by entering email & password	I can view my result without any problem	Medium	Sprint-4
	Report Generation	USN-6	As a user, I can obtain my report	I can obtain my report	Low	Sprint-4
Customer (Web user)	Data Collection	USN-7	As an admin, I need to collect the data to train my machine learning model	I have successfully collected sufficient amount of data	High	Sprint-1
Customer Care Executive	Data Pre-processing	USN-8	As an admin, I need to pre-process the data so that it is in a ready to use state for training and testing	I get the required training and testing dataset	Medium	Sprint-2
Administrator	Model Building	USN-9	As an admin, I need to use Machine Learning algorithms to train the model for the datasets previously collected	I get a model that has been trained and is ready for evaluation	High	Sprint-2
	Model Evaluation	USN-10	As an admin, I need to test the model that I had developed	I get a model that has high accuracy in classification	High	Sprint-3
	Deployment of Model and Web App	USN-11	As an admin, I need to integrate the Machine Learning model with the application and deploy the same	I get a website with a public link with the appropriate UI that contains the deployed model	Medium	Sprint-3