

Project Design Phase-II Data Flow Diagram & User Stories

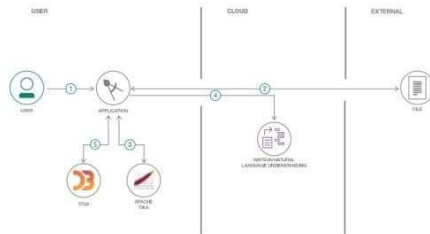
Date	11 November 2023
Team ID	Team-591844
Project Name	Potato Disease Classification
Maximum Marks	4 Marks

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.

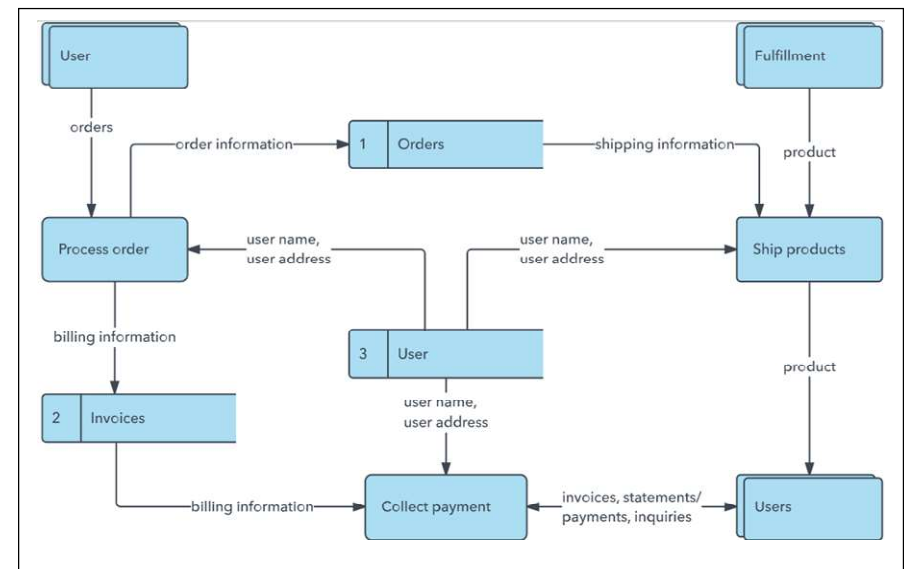
Example: (Simplified)

Flow

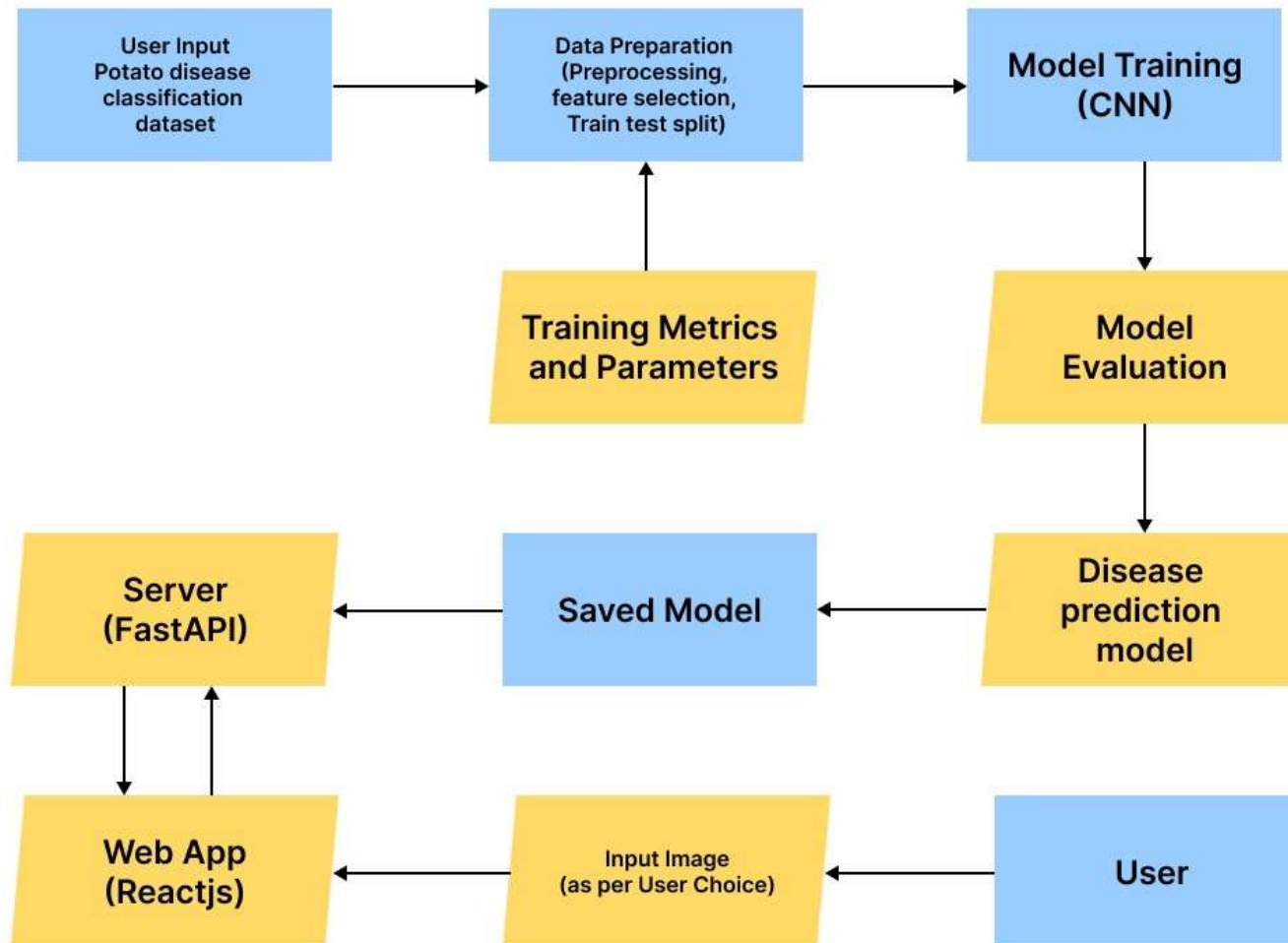


1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using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

Example: DFD Level 0 (Industry Standard)



Data Flow Diagram for Potato Disease Classification web App :



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
Farmer	Image Classification	USN-1	As a farmer, I can upload an image of a potato plant leaf to get an automated disease diagnosis.	The image is successfully uploaded and classified by the ML model.	High	Sprint-1
Farmer	Model Accuracy	USN-2	As a farmer, I want to have an accurate model to rely on for detection of diseases.	The model accuracy is clearly stated.	High	Sprint-1
Student	Understanding results	USN-3	As a student, I want to see what disease has detected and its accuracy.	A clear label of the disease and confidence percentage is displayed.	Medium	Sprint-2
Admin	Model Maintenance	USN-4	As an Admin, I want to update the model regularly.	Ability to seamlessly update model version.	High	Sprint-2