Project Design Phase-II
Data Flow Diagram & User Stories
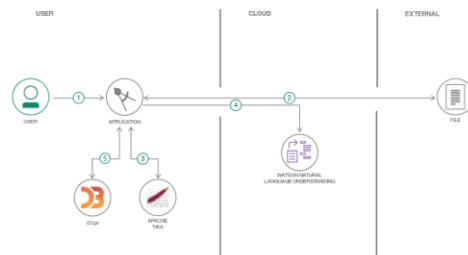
Date	28 October 2022
Team ID	PNT2022TMID35502
Project Name	Project – Detection of Parkinson's Disease using Machine detection
Maximum Marks	4 Marks

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.
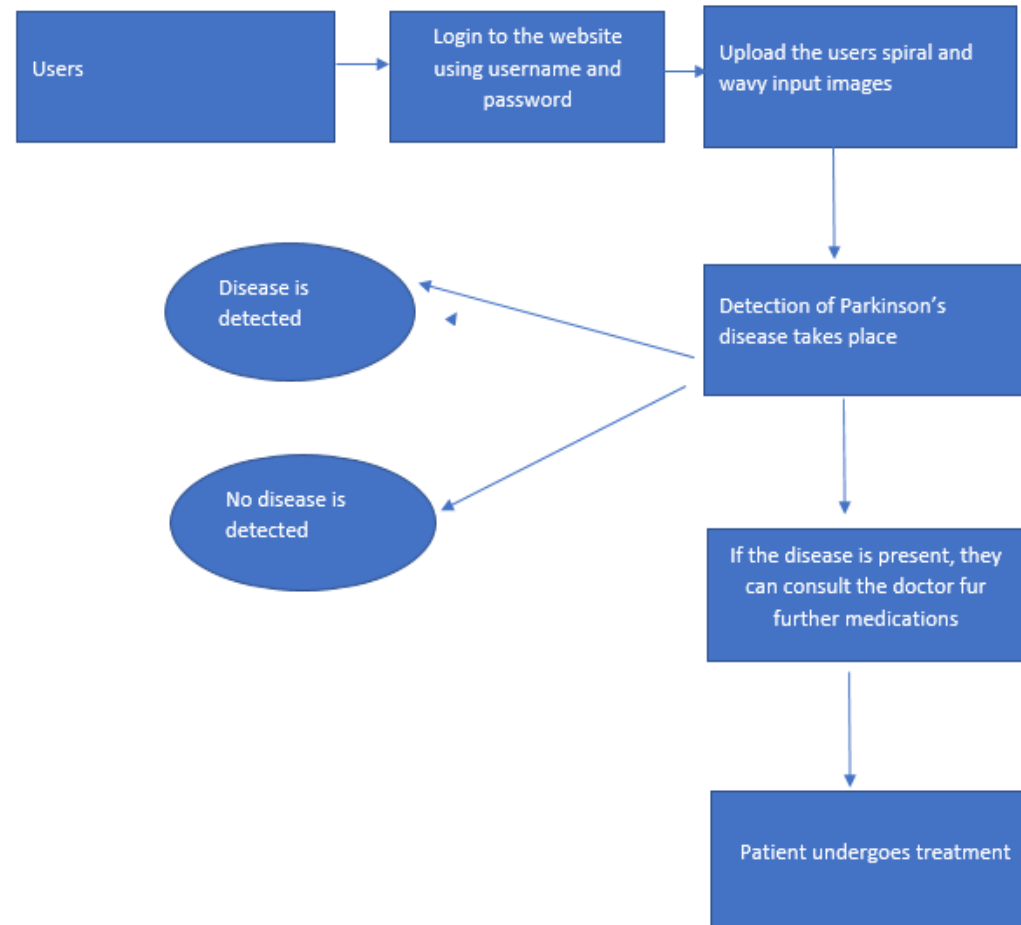
Example: (Simplified)

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:-

```
┌─────────────────┐      ┌─────────────────┐      ┌─────────────────┐
│                 │      │ Login to the    │      │ Upload the users│
│ Users           │ ───► │ website using   │ ───► │ spiral and      │
│                 │      │ username and    │      │ wavy input      │
│                 │      │ password        │      │ images          │
└─────────────────┘      └─────────────────┘      └─────────────────┘
                                                           │
                                                           ▼
      ╭───────────╮                            ┌─────────────────┐
     ╱  Disease is  ╲  ◄─────────────────────  │ Detection of    │
    │   detected     │                         │ Parkinson's     │
     ╲              ╱                           │ disease takes   │
      ╰───────────╯                            │ place           │
                                               └─────────────────┘
      ╭───────────╮                                     │
     ╱ No disease is ╲ ◄─────────────────────           ▼
    │   detected      │                         ┌─────────────────┐
     ╲               ╱                          │ If the disease  │
      ╰────────────╯                            │ is present, they│
                                                │ can consult the │
                                                │ doctor fur      │
                                                │ further         │
                                                │ medications     │
                                                └─────────────────┘
                                                        │
                                                        ▼
                                               ┌─────────────────┐
                                               │ Patient         │
                                               │ undergoes       │
                                               │ treatment       │
                                               └─────────────────┘
```

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
User	Uploading the data	USN-1	As a user, I have to login the website using user name and password	I can access my account / dashboard	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application. I have to feed the input data to detect the Parkinson's disease	I can upload the input images	High	Sprint-1
		USN-3	I can get the prediction done by modelling the input data. So that I get the predicted results	I can see the predicted result in the website	High	Sprint-2