PROJECT DESIGN PHASE II

Data flow diagrams and user stories

Date	27/10/2022
Team ID	PNT2022TMID53604
Project name	Detecting Parkinson's disease using Machine learning
Maximum marks	4 marks

Data flow diagrams :

- DFD is the abbreviation for Data Flow Diagram

- The flow of data of a system or a process is represented by DFD.

- It also gives insight into the inputs and outputs of each entity and the process itself

- DFD does not have control flow and no loops or decision rules are present

- Specific operations depending on the type of data can be explained by a flowchart

User → Information of the user → Image → Uploading the image → Files

Results are obtained ← Accuracy displayed ← Commencement of the procedure ← Image Processing ← Uploading the files

User type	Functional requirement (Epic)	User story number	User story/task	Acceptance criteria	Priority	Release
User	Account creation	USN-1	User can connect to the application	User can access the account being created	High	Sprint-1
Input data	Adding data	USN-2	Inputs can be given to the system for its learning purposes	Data entered could be verified by the user	High	Sprint-1
Data validation	Checking accuracy	USN-3	Ability and accuracy of the model can be checked by the user	On logging in to account , the capability could be checked	Medium	Sprint-2

Classification	Data classification	USN-4	Data can be viewed by the user	Verify the user data with real data	Medium	Sprint-2
App work	Work flow	USN-5	Working action of the application model could be viewed	Application working and responses to the actions imposed can be viewed	Medium	Sprint-2
Image classification	Checking for the disease	USN-6	With the help of trained and test data ,user can verify with application that the image is identified with the actual image	User can confirm that the data shows accurate results	Low	Sprint-3

User interaction	AI-Powered chatbot	USN-7	User can interact with the automated chatbot to engage my time till the application processed the accurate result	Results could be viewed from the interactions from the chatbot	Low	Sprint-3
Medical assistance	Medical suggestions	USN-8	User can get medical advises	Enough assistance could be obtained	High	Sprint-3
Data extraction	Obtaining the data	USN-9	User can retrieve the result data from the application for data storage	Result could be downloaded in the form data to be shown to the medical teams	Medium	Sprint-4