Project Design Phase-II

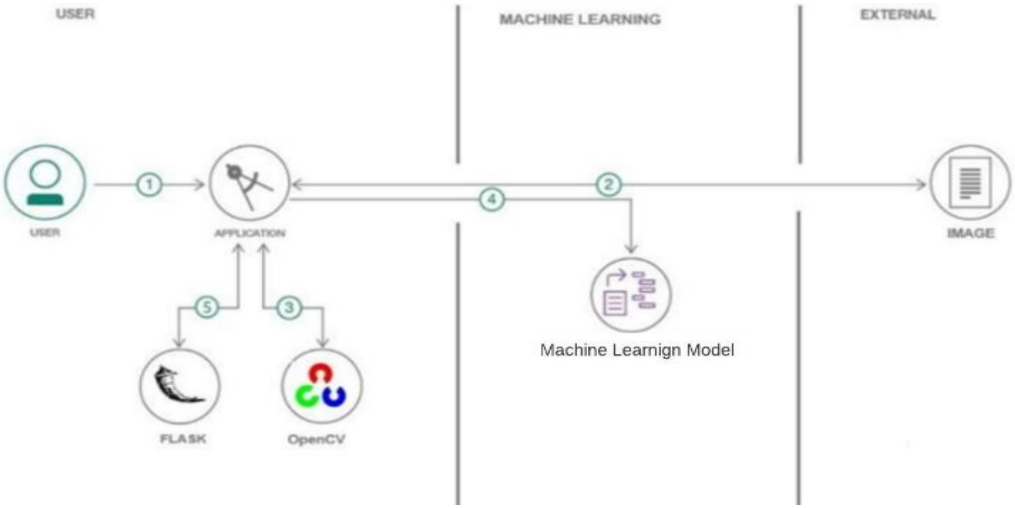
Proposed Solution Template

Date	03 October 2022
Team ID	PNT2022TMID40423
Project Name	Detecting Parkinson's Disease using Machine Learning
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 thesystem requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: (Simplified)



1. The user chooses which hand-drawn images to import and analyse
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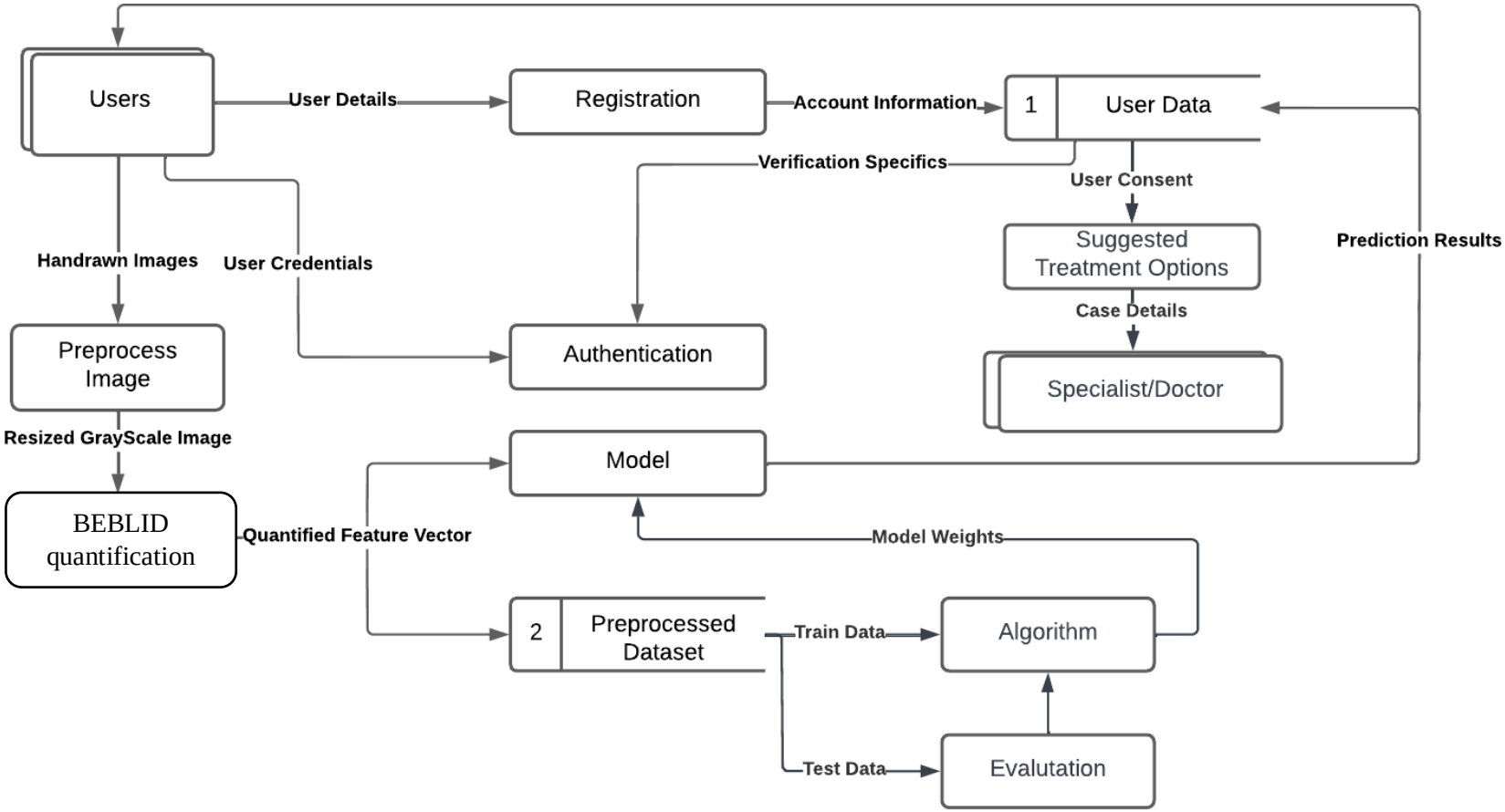
3. The picture pre-processing is handled via OpenCV.
4. The Random Forest Classifier receives the transformed picture.
5. Flask is utilized to view the predicted output.

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 (Public user)	Registration	USN-1	As a user, I can register for the application by entering my username, email, phone number, address, occupation, password and confirming my 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 can receive confirmationemail	Medium	Sprint - 1
	Login	USN-3	As a user, I can log into the application by entering email & password	I can log into my account andcheck my details	High	Sprint - 1
	Image Uploading and Processing	USN-4	As a user, I can upload the image to the application for the purpose of diagnosis	I can successfully upload the image from system images gallery.	High	Sprint - 2
	Identification /Prediction	USN-5	As a user, I can verify with the application that the image is used for the prediction.	I can view the results of theprediction	High	Sprint -2
	Accuracy	USN-6	As a user, I can understand the accuracy of the prediction that the model has produced	I can see the accuracy withwhich the model has predicted.	Medium	Sprint - 3
	Medical Suggestions	USN -7	As a user, I would like to take further steps in treatment of the condition.	I can see specialist clinics and medicines suggestions	High	Sprint - 3
Customer (Medical Expert)	Identification /Prediction	USN-8	As a user, I can use the application for preliminary analysis	I can view the results of theprediction with case details	High	Sprint - 2
	Obtaining the data	USN – 9	As the medical examiner, I can retrieve the results and the input data.	I can use download and use the predicted data along withthe case details for proof.	Medium	Sprint - 4