PROJECT DESIGN PHASE - 2
DATA FLOW DIAGRAM & USER STORIES

Date	10 October 2022
Team ID	PNT2022TMID31069
Project Name	A Gesture Based Tool for Sterile Browsing of Radiology Images
Maximum Mark	4 Marks

Data Flow Diagram:

Data Flow Diagram - Level 0

Hand Gesture Image → Application → Gesture Recognition

Data Flow Diagram - Level 1

Image Segmentation → Feature Extraction → Classification

Data Flow Diagram - Level 2

Video Input → Video Framing and Image Capturing → Image Preprocessing → Shape Fitting of Hand → Segmentaion
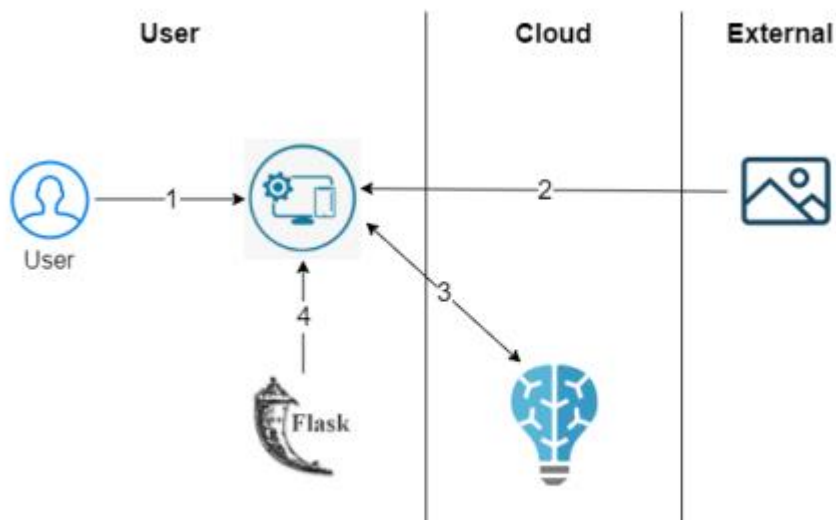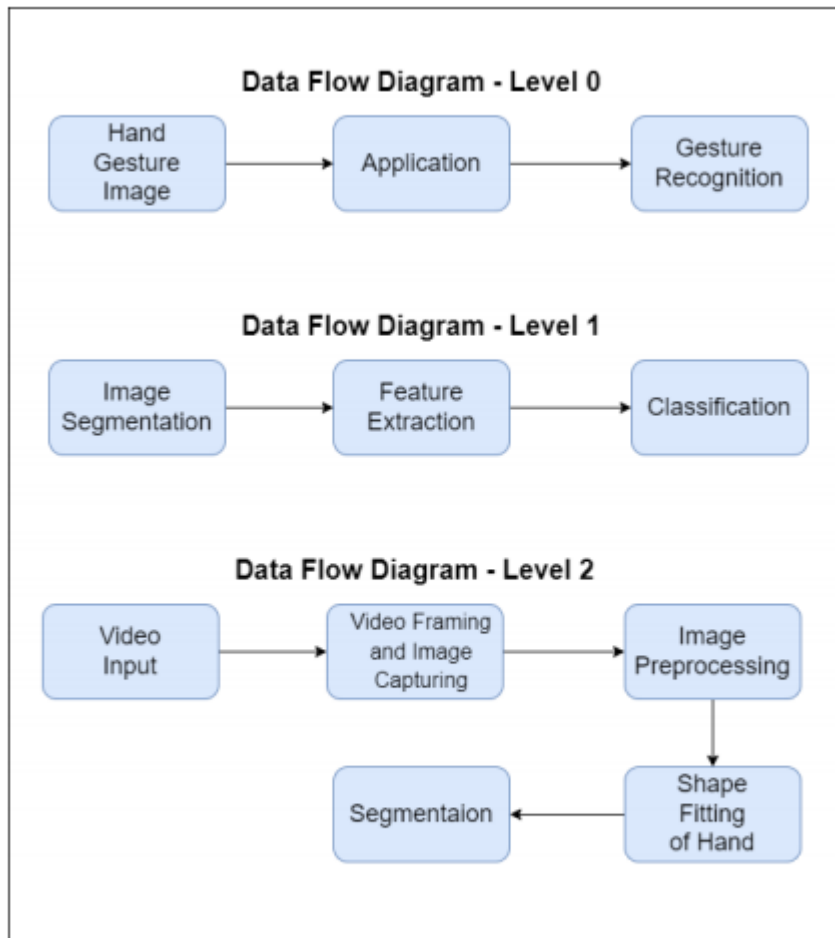
User Stories

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 (Web user)	Launch Web App deployed in cloud	USN-1	As a user, I can launch the webapp where I can upload the images for recognition	I can upload the images for classification	High	Sprint-4
	Prediction	USN-2	As a user, I can get the predicted results from the model deployed in the cloud	I can resize the radiology image, blur the image, flip based on the hand gesture	High	Sprint-4
	Deployment of webapp in the cloud	USN-3	As a user, I need the webapp to be accessible all over the world	I can access the webapp deployed in the IBM cloud	Medium	Sprint-3
	Deployment of AI model in the cloud	USN-4	As a user, I need the AI model to be accessible all over the world	I can access the model deployed in the IBM cloud	Medium	Sprint-3
	Model Building	USN-5	As a user, I need an AI model which could classify or recognize the hand gestures	I can get the prediction from the AI model	Medium	Sprint-1
	User Interface Building	USN-6	As a user, I need a web app for human computer interaction	I get User Interface for interaction with the model	Medium	Sprint-2