

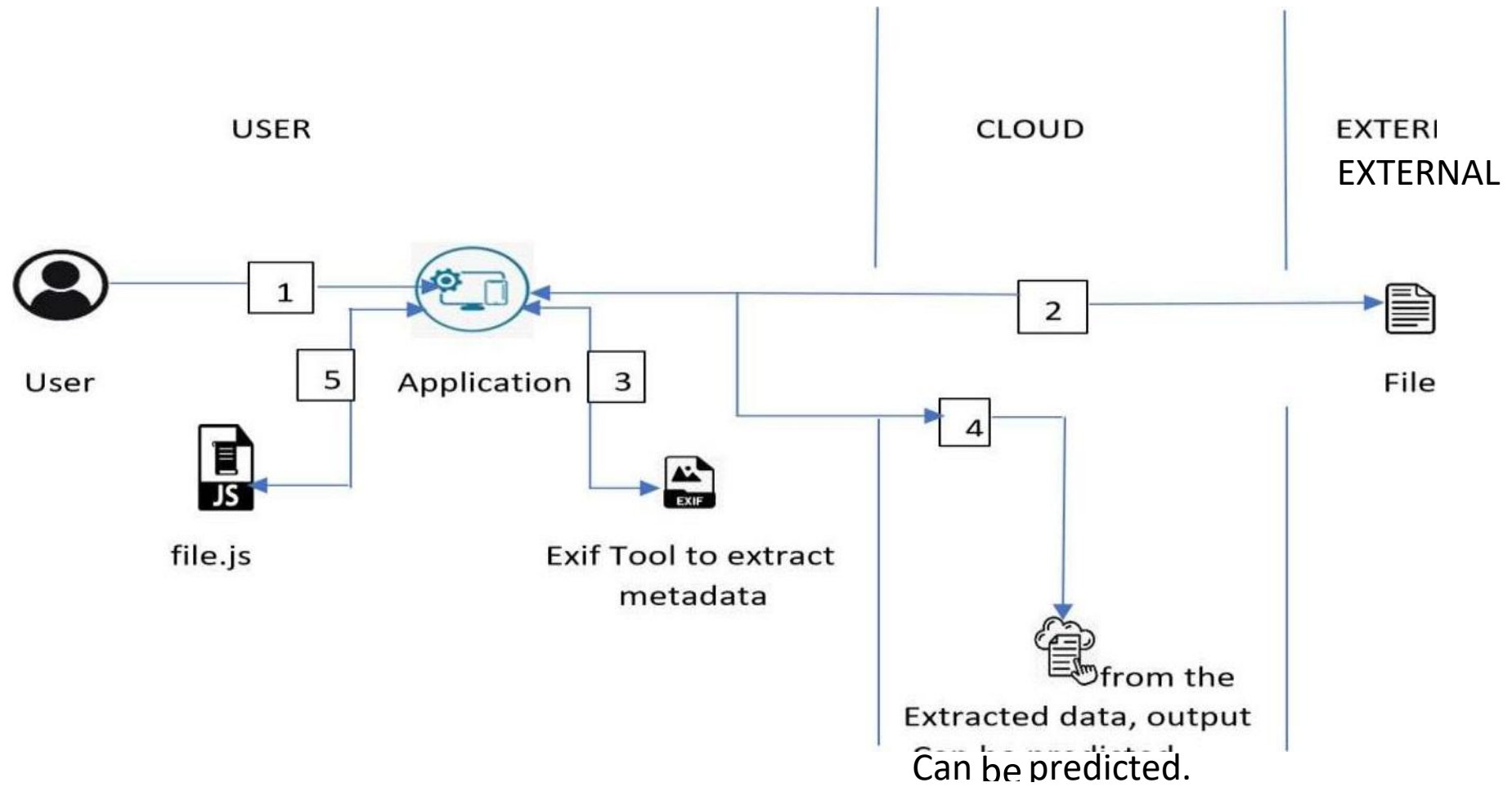
Project Design Phase-II  
Data Flow Diagram & User Stories

Date	15 October 2022
Team ID	PNT2022TMID15559
Project Name	Project - A GESTURE BASED TOOL FOR STERILE BROWSING RADIOLOGY IMAGES
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.

## DATA FLOW DIAGRAM:

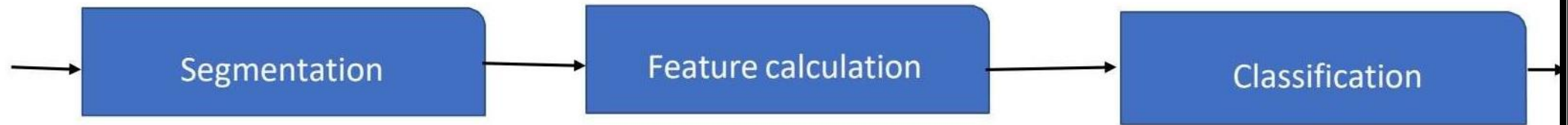


1. User open the application as well as provide access to webcam to capture the gesture and store the image in a file.
2. User Selects the data file in which gesture(input) is stored to process and load.
3. Exif Tool is a powerful tool which is used to extract metadata or text from the data file and this tool works with different and various file extensions.
4. Various gestures are trained by using different algorithms and the corresponding input can be mapped with the trained gesture output.
5. The output can be visualized in the user interface (UI) by using corresponding javascript library.

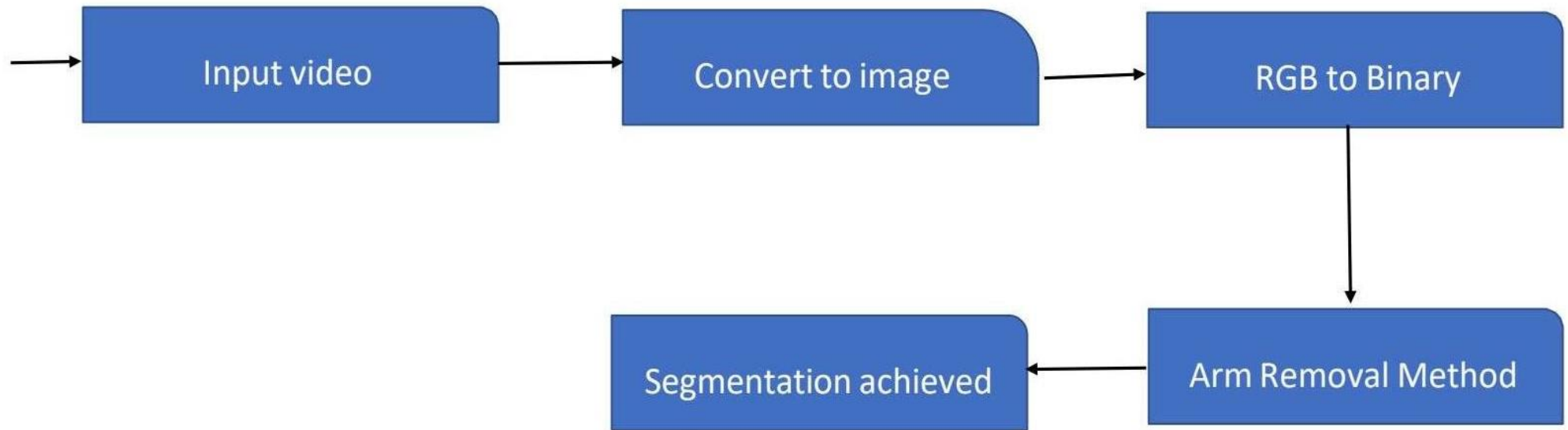
## DFD Level 0



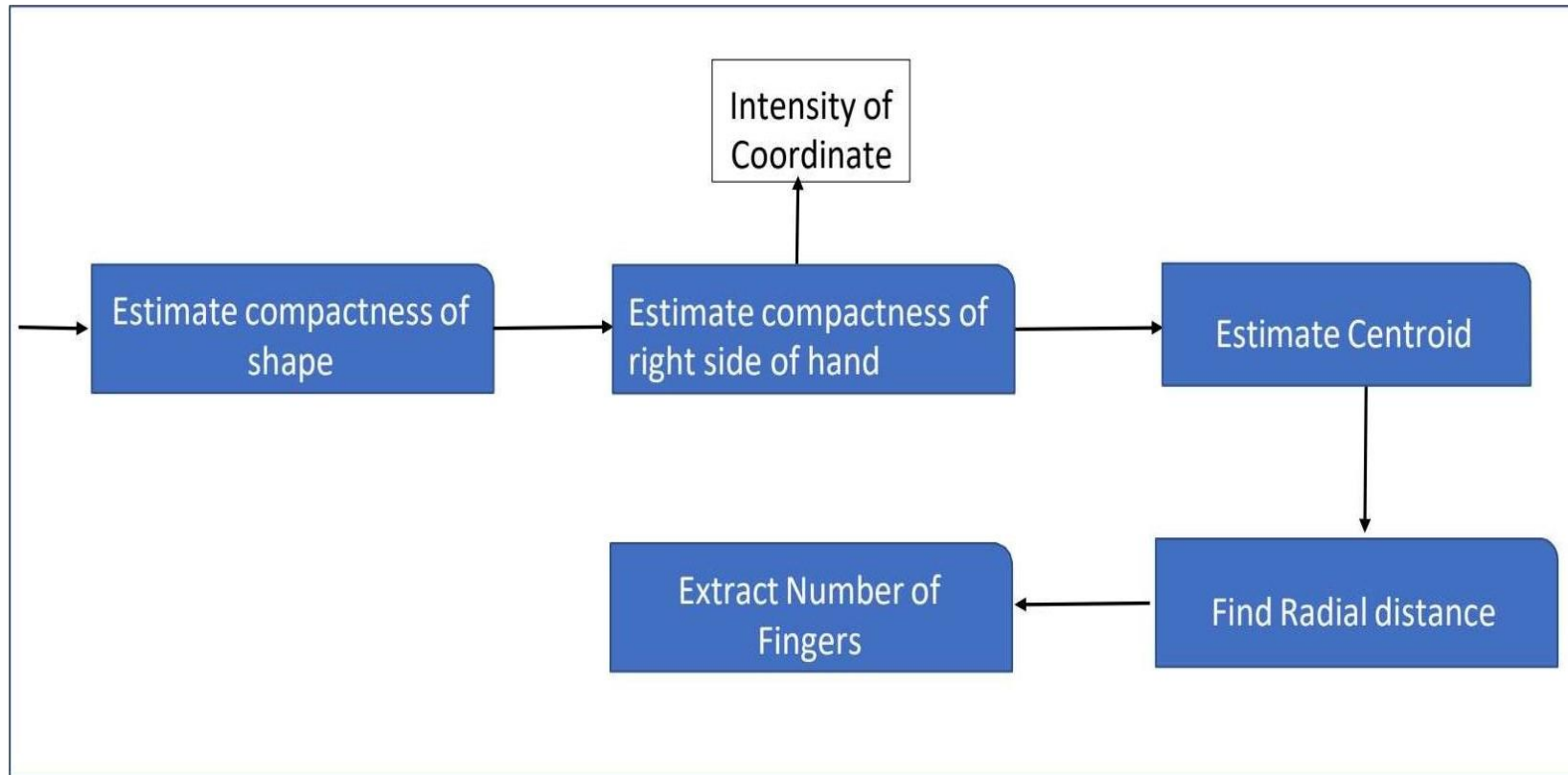
## DFD Level 1



DFD LEVEL 2



### DFD LEVEL 3



## User Stories

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer or user (Web user)	Launch	USN-1	As a user I can launch to the further web page To upload image	I can access the webpage	High	Sprint-4
		USN-2	As a user I can use chrome/fire fox/edge	Different access of web browsers	High	Sprint-1
Customer care executive	Availability	USN-1	As a user when the website is Unresponsive or any internal errors	Webpage not responding	Medium	Sprint-4
		USN-2	Identifying gesture inaccurately	Webcam detection	Medium	Sprint-5
Administrator	IBM cloud	USN-1	Access the database	Database Management	High	Sprint-3
		USN-2	Server Crash	Resolve the errors/issue	Medium	Sprint-5