Project Design Phase-II
Data Flow Diagram & User Stories

Date	15 November 2023
Team ID	Team-591551
Project Name	ASL – Alphabet Image Recognition
Maximum Marks	4 Marks

Data Flow Diagrams:

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system.
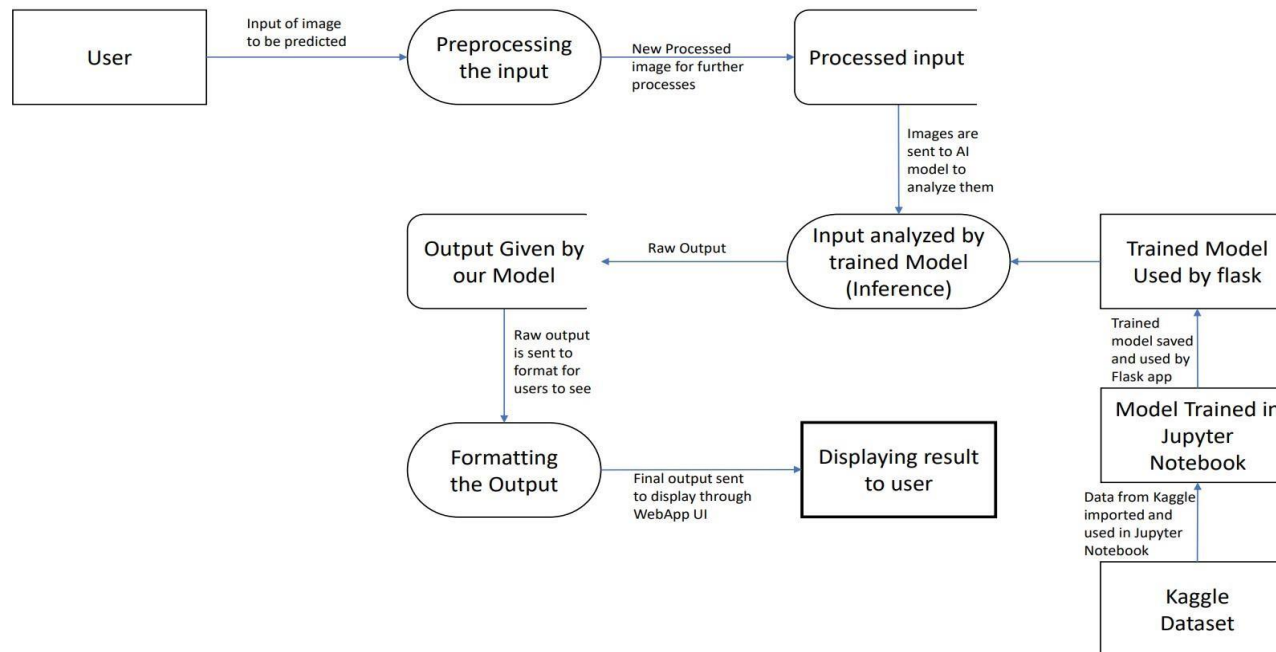
User Stories

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)	Annotation	USN-1	As a User, I want to see additional information about the predicted ASL hand sign, so I can learn more about it.	The prediction.html page should provide details such as the letter represented by the hand sign, as well as a brief description.	low	Sprint-4
Customer (Web user)	Gesture recognition	USN-2	As a User, I want the web application to recognize special gestures like "space," "delete," and "nothing."	The web application should be able to identify and appropriately handle special gestures, providing accurate predictions.	High	Sprint-2
Customer (Web user)	User-Friendly Interface	USN-3	I want to visit the web application and experience a user-friendly interface that allows me to seamlessly navigate through the ASL alphabet learning process.	The home page should have clear instructions and a welcoming design. Button for prediction for submitting hand signs should be intuitive. The webapp page should present results in a visually appealing format.	medium	Sprint-3
Customer (Web user)	Feedback mechanism	USN-4	As a User, I want the option to provide feedback on the prediction results, so I can contribute to improving the system.	The web application should include a way to contact to our team so user can express themselves	Medium	Sprint-2

Customer (Web user)	Real-Time ASL Alphabet Recognition	USN – 5	I want to submit images of ASL hand signs and receive real-time predictions to gauge the accuracy of my signs.	The web application should process and predict ASL hand signs in real-time.	High	Sprint-1
Customer (Web user)	Navigation	USN- 6	As a User, I want the option to navigate back to the home page after receiving the prediction, so I can submit additional images.	The result page should include a button or link that allows users to return to the home page for further interactions.	High	Sprint-3
Admin	Model Training and Maintenance	USN-7	I want to be able to retrain the machine learning model with new data to enhance its accuracy and ensure it stays up-to-date.	There should be a secure and efficient mechanism to update the training dataset.	Medium	Sprint-1
Admin	WebApp design	USN – 8	I want to change some designing in the logout page as for now it looks too simple.	Dev's should be able to easily change the design of webapp to make it more according to customers .	Low	Sprint -4