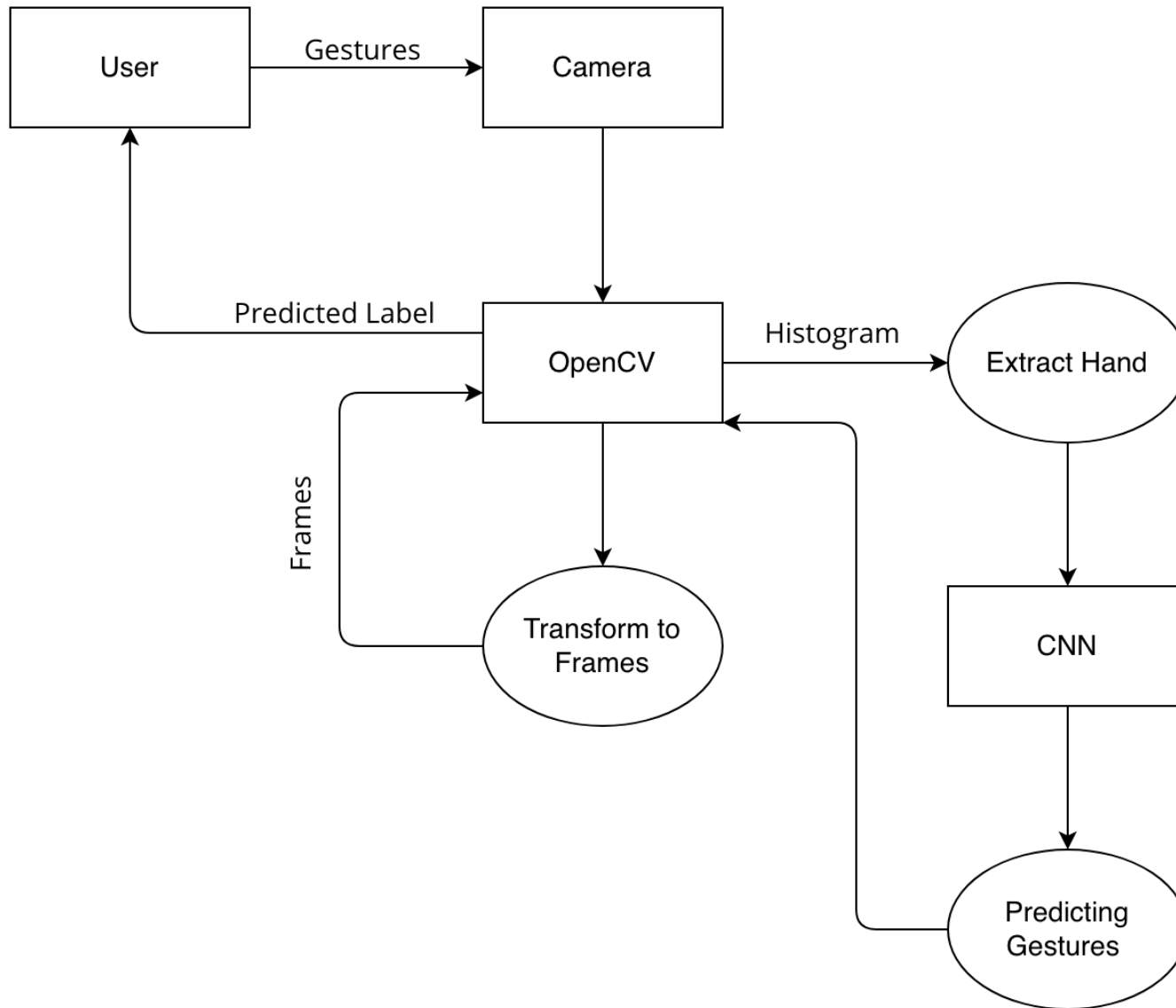


Project Design Phase-II
Data Flow Diagram & User Stories

| | |
|---------------|---------------------------------|
| Date | 23 October 2022 |
| Team ID | 592675 |
| 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. 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.



User Stories

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|----------------------------|-------------------------------|-------------------|--|--|----------|-----------------|
| End User (Deaf or Hearing) | Video Capture | ASL-01 | As a user, I can use the ASL Alphabet Image Recognition application to capture real-time video frames of ASL hand signs. | I can open the application and access the video capture feature. The application successfully captures real-time video frames. | High | Initial Release |
| End User (Deaf or Hearing) | ASL Recognition | ASL-02 | As a user, I can initiate the recognition process on the captured video frames to identify ASL hand signs. | After capturing video frames, I can initiate the recognition process. The application successfully identifies ASL hand signs from the video frames. | High | Initial Release |
| End User (Deaf or Hearing) | Symbol Display | ASL-03 | As a user, I can see the recognized ASL symbols and their meanings on the application. | After ASL recognition, I can view the recognized ASL symbols. Each recognized ASL symbol is displayed along with its English meaning. | High | Initial Release |
| End User (Deaf or Hearing) | User Interaction | ASL-04 | As a user, I can interact with the recognized ASL symbols on the | After seeing the recognized ASL symbols, I | High | Initial Release |

| | | | | | | |
|--|--|--|---|---|--|--|
| | | | application to perform actions or receive translations. | can interact with them. The application responds to my interactions, allowing me to perform actions or receive translations. | | |
|--|--|--|---|---|--|--|