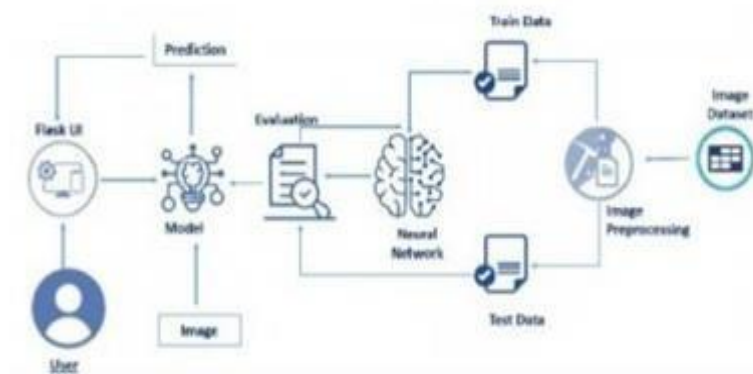| Date | 15 October 2022 |
|------|-----------------|
| Team ID | PNT2022TMID15666 |
| Project Name | Real time Communication System powered by AI for Specially Abled |

## 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.
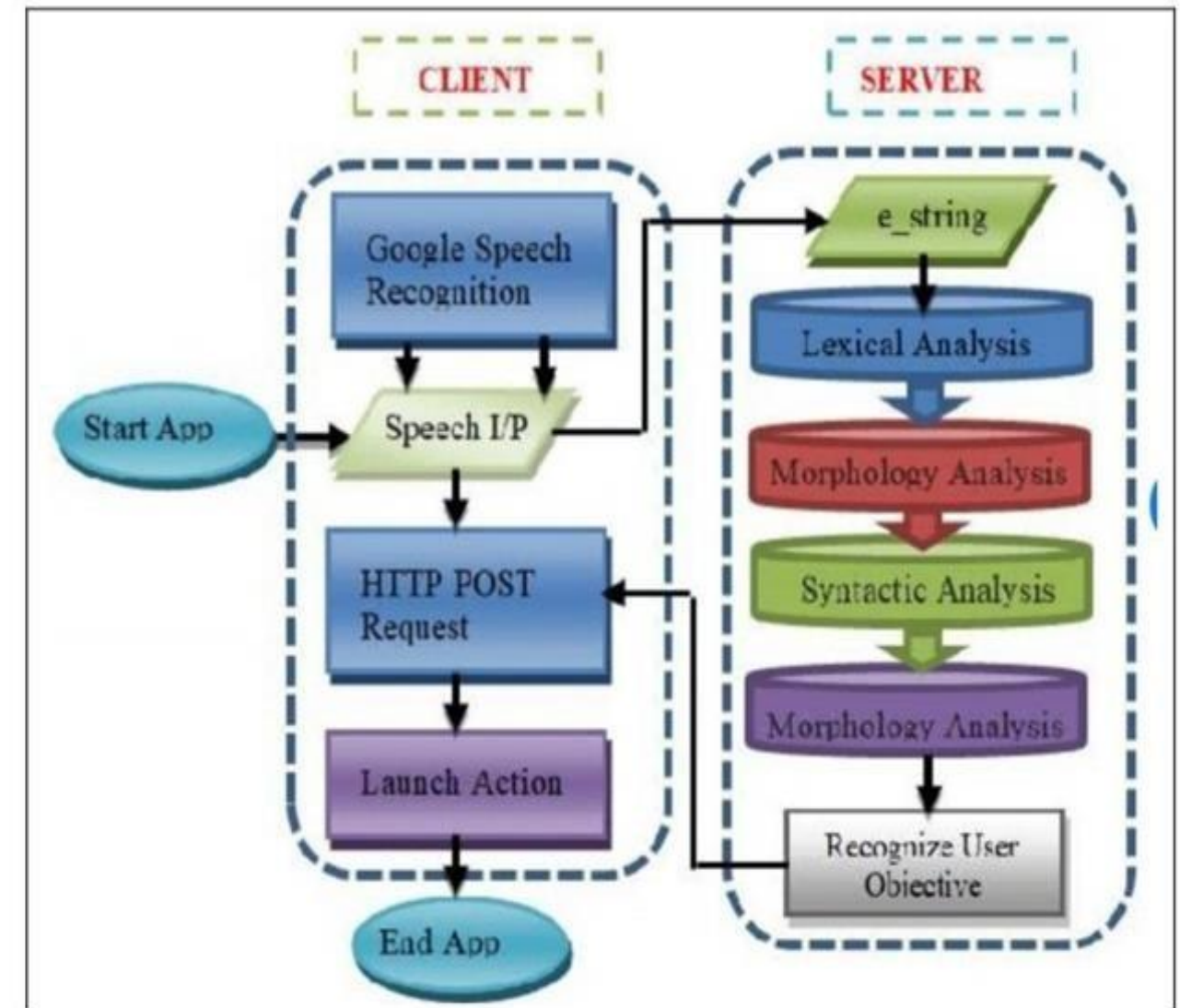
Example: Real time communication

## Example: (Simplified)



(i) Lexical analysis converts character sequence into token sequence.
(ii) Morphology analysis defines, analyzes, and describes the structure of language units of a particular language.
(iii) Syntactic analysis analyzes the text made from a series of markers to determine grammar structures.
(iv) Semantic Analysis relates syntactic structures from the levels of phrases and sentences to their language-independent meanings.

## User Stories

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer (Deaf people) | Registration | USN-1 | As a user, I can register for the application by entering my email, password, and confirming my password. | I can registered my account. | High | Sprint-1 |
| | | USN-2 | As a user, I will receive confirmation email once I have registered for the application | I can received confirmation gmail & click confirm. | High | Sprint-2 |
| | Login | USN-3 | As a user, I can log into the application through gmail . | I can registered & access the dashboard with gmail Login. | Low | Sprint-1 |
| | | USN-4 | As a user, I can see my application and made changes in any browsers. | I can login and see my Account at anywhere. | Medium | Sprint-2 |
| | Dashboard | USN-5 | As a user, I can create my account in a given dashboard. | I can access my account / Dashboard. | High | Sprint-1 |
| Customer (Dumb people) | Registration | USN-6 | As a User, I can regiser my application through gmail. | I can registered my account . | High | Sprint-2 |
| | | USN-7 | As a User, I can receive confirmation mail and get verification code from OTP and gmail. | I can received confirmation mail & click confirm. | Low | Sprint-2 |
| | Login | USN-8 | As a User, I can log into my account by any web browsers. | I can login and see my account. | Medium | Sprint-1 |
| | Dashboard | USN-9 | As a User, I can create my account in a given Dashboard. | I can created my account & access into dashboard. | High | Sprint-2 |

| Customer care Executive | User interface | USN-10 | Professional responsible for user requirements & Needs. | Communicate and resolve customer complaints. | High | Sprint-1 |
| Administration | Objective | USN-11 | The goal is to describe all the inputs and outputs. | Leading customer Fields from admin. | High | Sprint-2 |
| Cyber Security | privacy | USN-12 | The developed application should be secure for the users . | The application is fully managed. | High | Sprint-3 |