

## Project Design Phase-II Data Flow Diagram & User Stories

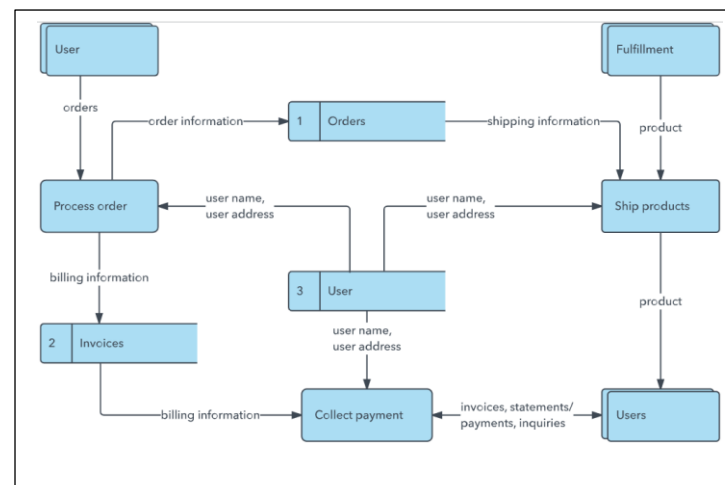
<b>Date</b>	03 October 2022
<b>Team ID</b>	PNT2022TMID42383
<b>Project Name</b>	Real - Time Communication System Powered By AI for Specially Abled
<b>Maximum Marks</b>	4 Marks

### Data Flow Diagrams:

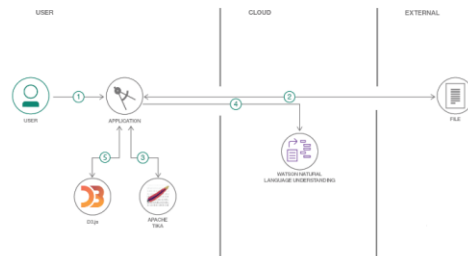
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: [\(Simplified\)](#)

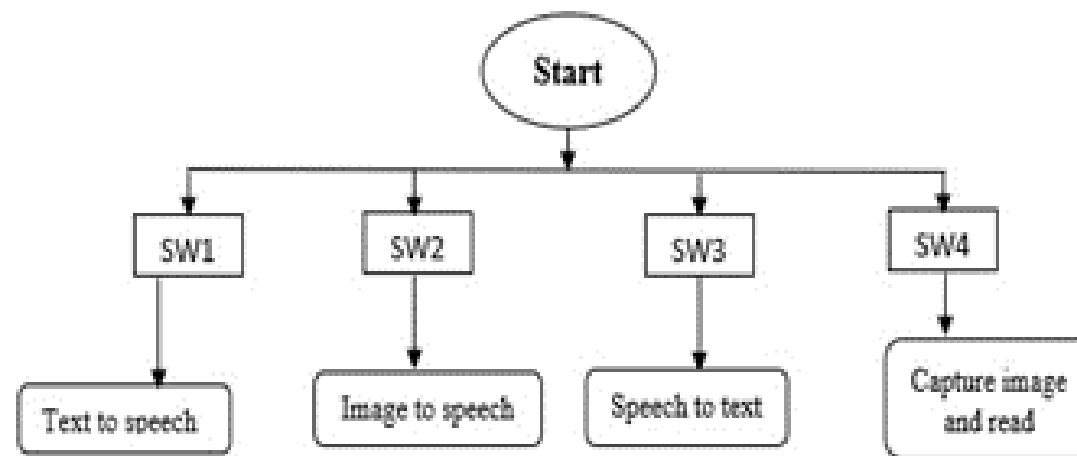
Example: DFD Level 0 (Industry Standard)



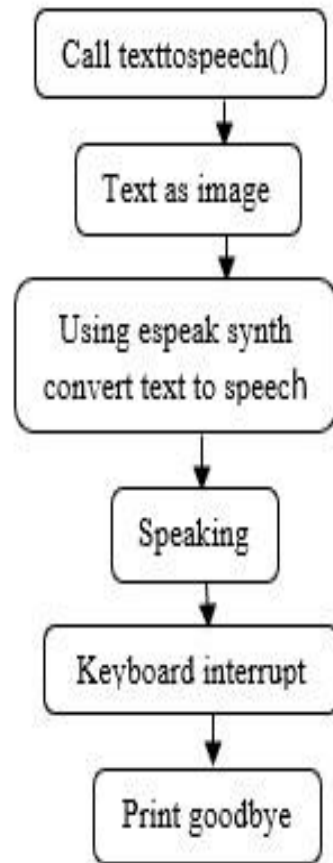
## Flow



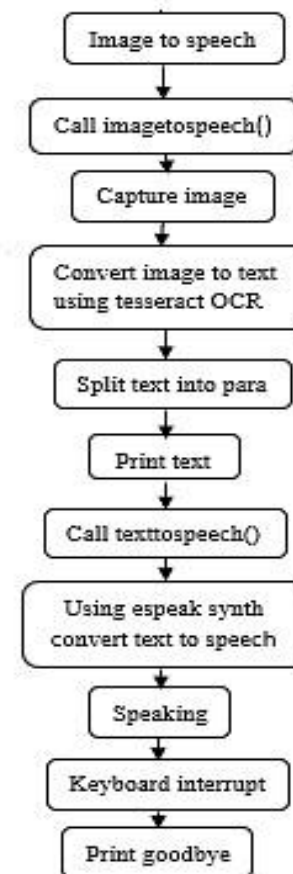
1. User configures credentials for the Watson Natural Language Understanding service and starts the app.
2. User selects data file to process and load.
3. Apache Tika extracts text from the data file.
4. Extracted text is passed to Watson NLU for enrichment.
5. Enriched data is visualized in the UI using the D3.js library.



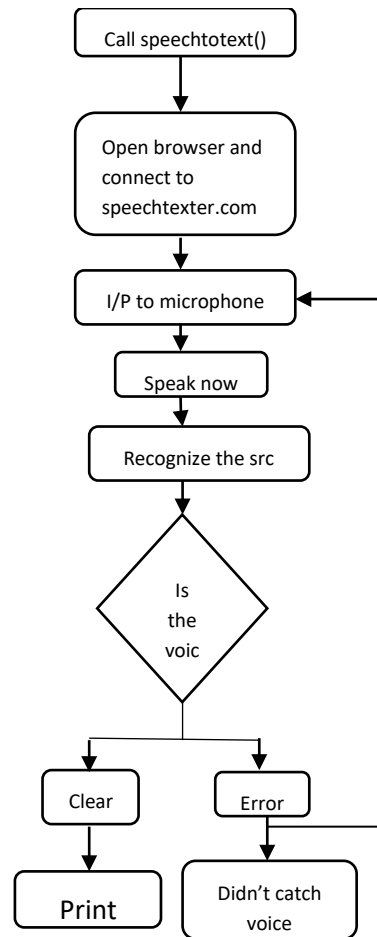
Data flow diagram of the proposed model



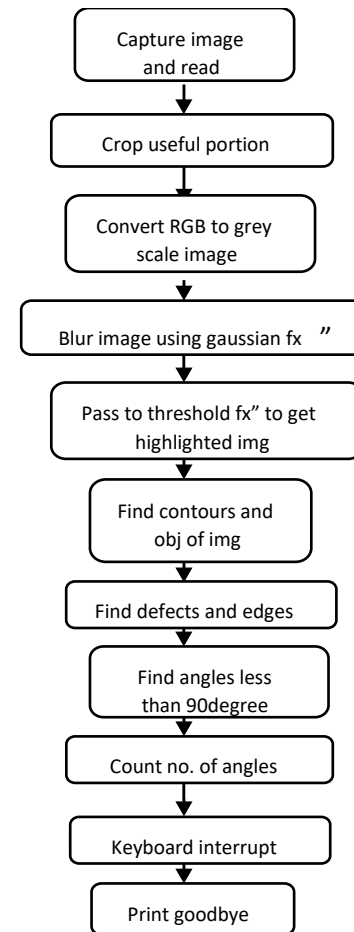
Data flow diagram of the text-to-speech



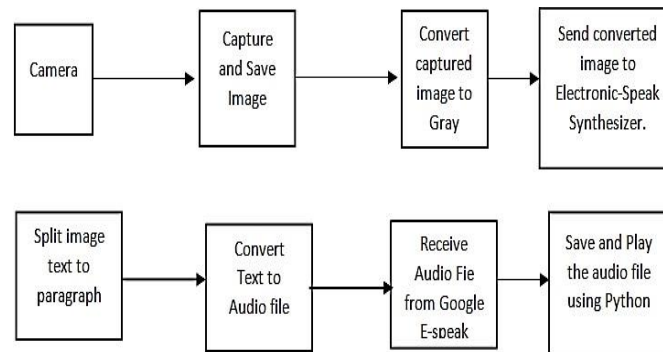
Data flow diagram of the image-to-speech



Data flow diagram of the speech-to-text



Data flow diagram of the image-to-text



Block diagram for text-to-speech conversion using camera.

## 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 (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard.	High	Sprint-1
		USN-2	As a user, I will receive confirmation email once I have registered for the application.	I can receive confirmation email & click confirm.	High	Sprint-1
		USN-3	As a user, I can register for the application through Facebook.	I can register & access the dashboard with Facebook Login.	Low	Sprint-2
		USN-4	As a user, I can register for the application through Gmail.	I can register the application using gmail with details linked to the gmail.	Medium	Sprint-1
	Login	USN-5	As a user, I can log into the application by entering email & password.	Can enter these credentials either by manual or by auto filling depends on the case.	High	Sprint-1

	Dashboard	USN-6	As a user, I want to know about my data which I have given to see them visually appealing.	Can see the user data after successfully logging onto the application.	Medium	Sprint-1
Customer (Web user)	Registration	USN-7	As a User, I can register for the application through web by entering mobile number / gmail, password and confirming it.	I can access my account / dashboard through web.	High	Sprint-1
Customer Care Executive		USN-8	As a user , I Can get any support if needed by dialing the call or clicking the support.	After completing the registration the user can avail this service.	Medium	Sprint-1
Administrator		USN-9	The company should take care of the admin functionalities.	Admin should have access to each information registered by the user.	High	Sprint-1
Sign Up		USN-10	As a User, I should need to sign up if I don't haven't registered for the account earlier.	The credentials used for signing up should be unique.It is not used by	High	Sprint-1

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
				any other users.		
Wishlist		USN-11	As a user, I am before avail for the service which can be kept aside.	As a User, I can review and use the services if needed.	Low	Sprint-2
Enrolled		USN-12	As a user, I can use the service after enrolling.So that the user can know and use.	As a user, it is quite appealing.	Low	Sprint-2