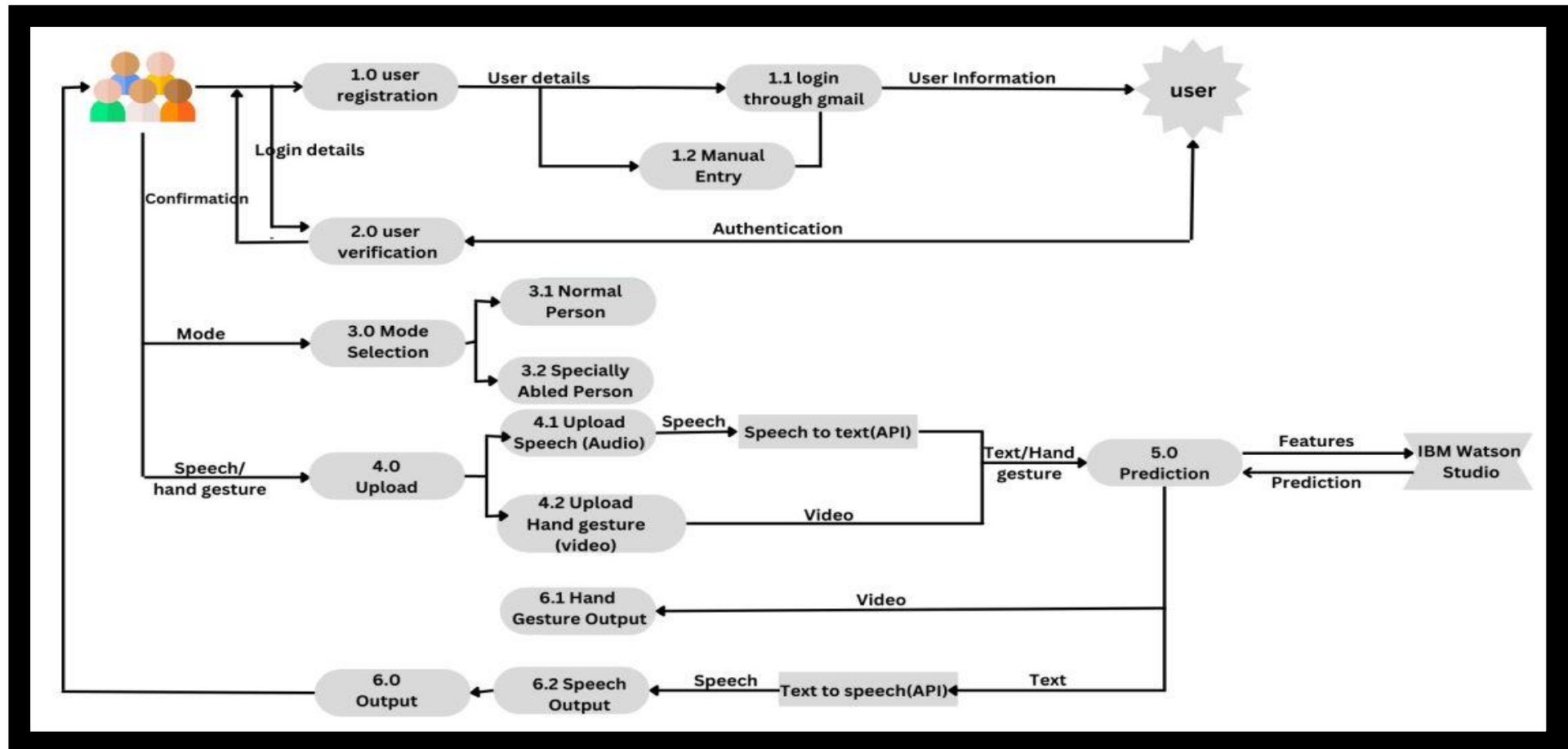


Project Design Phase-II Data Flow Diagram & User Stories

Team ID	PNT2022TMID45952
Project Name	Real Time Communication System Powered by AI for Specially Abled

Data Flow Diagram:



User Stories:

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Specially Abled Person)	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 and select the mode of usage.	High	Sprint-1
		USN-2	As a user, I can register for the Application through Gmail.		High	Sprint-1
	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm.	Medium	Sprint-2
	Login	USN-4	As a user, I can log into the application by entering email & password	Credentials has to be matched	Medium	Sprint-2
	Mode Selection	USN-5	As a user, I will be prompted to select the mode of communication and I will select the specially abled mode (Gesture to Speech)	Either of the modes has to be chosen for further processing	High	Sprint-3
	Video Capturing	USN-6	As a user of this mode I will capture my hand gesture as video	Minimum video quality criteria has to be met	High	Sprint-1
	Gesture interpretation	USN-7	As a user of this mode, I will be able to receive and interpret the translated gestures from the other end.	Must be a valid gesture	Low	Sprint-1

Customer (Normal Person)	Registration	USN-8	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account and select the mode of usage	High	Sprint-1
		USN-9	As a user, I can register for the application through Gmail		High	Sprint-1
	Confirmation	USN-10	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	Medium	Sprint-2
	Login	USN-11	As a user, I can log into the application by entering email & password	Credentials has to be matched	Medium	Sprint-2
	Mode Selection	USN-12	As a user, I will be prompted to select the mode of communication and I will select the specially abled mode (Gesture to Speech)	Either of the modes has to be chosen for further processing	High	Sprint-3
	Speech Recording	USN-13	As a user of this mode I will record the speech in order to convert it into gesture	Minimum audio quality criteria have to be met	High	Sprint-1
	Speech recognition	USN-14	As a user of this mode, I will be able to receive and interpret the translated speech from the other end.	The words must be a recognizable	Low	Sprint-1
Administrator	Application monitoring and controlling	USN-15	As an admin, I will be responsible for controlling the user activities and further upgradations of the application	Admin level privilege	Medium	Sprint-3

