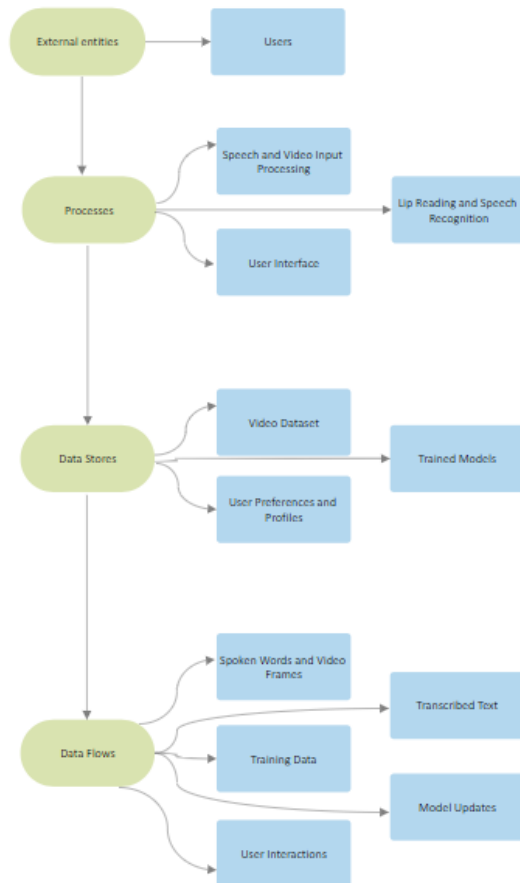


Project Design Phase-II
Data Flow Diagram & User Stories

Date	23 October 2023
Team ID	TEAM-593160
Project Name	Lip Reading using Deep Learning
Maximum Marks	4 Marks

Data Flow Diagrams:



User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Hearing-Impaired Individuals	Accurate Lip Reading and Real-Time Transcription	LS001	As a hearing-impaired individual, I want the lip-reading system to accurately transcribe spoken words from video, so I can better understand conversations and participate in real-time communication.	The system accurately transcribes spoken words from video inputs. Real-time transcription is available to facilitate immediate communication. The system seamlessly integrates with audio-based systems.	High	MVP
Developers	Access to Comprehensive Video Dataset	LD001	As a developer, I want to access a comprehensive video dataset for training the lip reading model, so I can build and refine the deep learning algorithms effectively.	A diverse and extensive video dataset is provided for training purposes. The dataset includes clean, aligned, and annotated video data. Clear documentation is available for dataset usage and preprocessing.	Medium	MVP
Project Managers	Quality Assurance Process	PM001	As a project manager, I want a quality assurance process to ensure that the lip reading system meets performance metrics and rigorous testing standards before deployment.	A quality assurance framework is established to validate system accuracy and robustness. The lip reading model passes comprehensive testing and validation procedures. Performance metrics are clearly defined and met by the system.	Medium	MVP

