Visualize data flows and behaviors to explain complex processes

Data Flow Diagram

INTRODUCTION

Data flow diagrams are typically used by IT and engineering teams to show the flow of information, source of data inputs, and how that data is stored. These visual representations of a system can help be used to explain complex processes to key stakeholders or to build out new structures with your team.

Data flow diagrams visualize relationships between external entities, processes, data stores, and data flows. You can visualize data flows with both parallel and asynchronous behaviors using our data flow diagram template.

PEOPLE 1+ | **TIME** 1-3 hours | **DIFFICULTY** Intermediate

TOOL TIPS

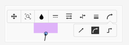
Create connections at the speed of thought:

Hold c + click and drag to **draw a connector.**

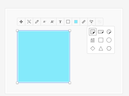
Turn on **connector points** to create new diagrams faster.

Click on the **connector points** to instantly add new connectors and shapes.

Change **connector styles.**



Switch between different shapes and sticky notes quickly.



Bulk edit objects of the same type by filtering your selection from the toolbar.

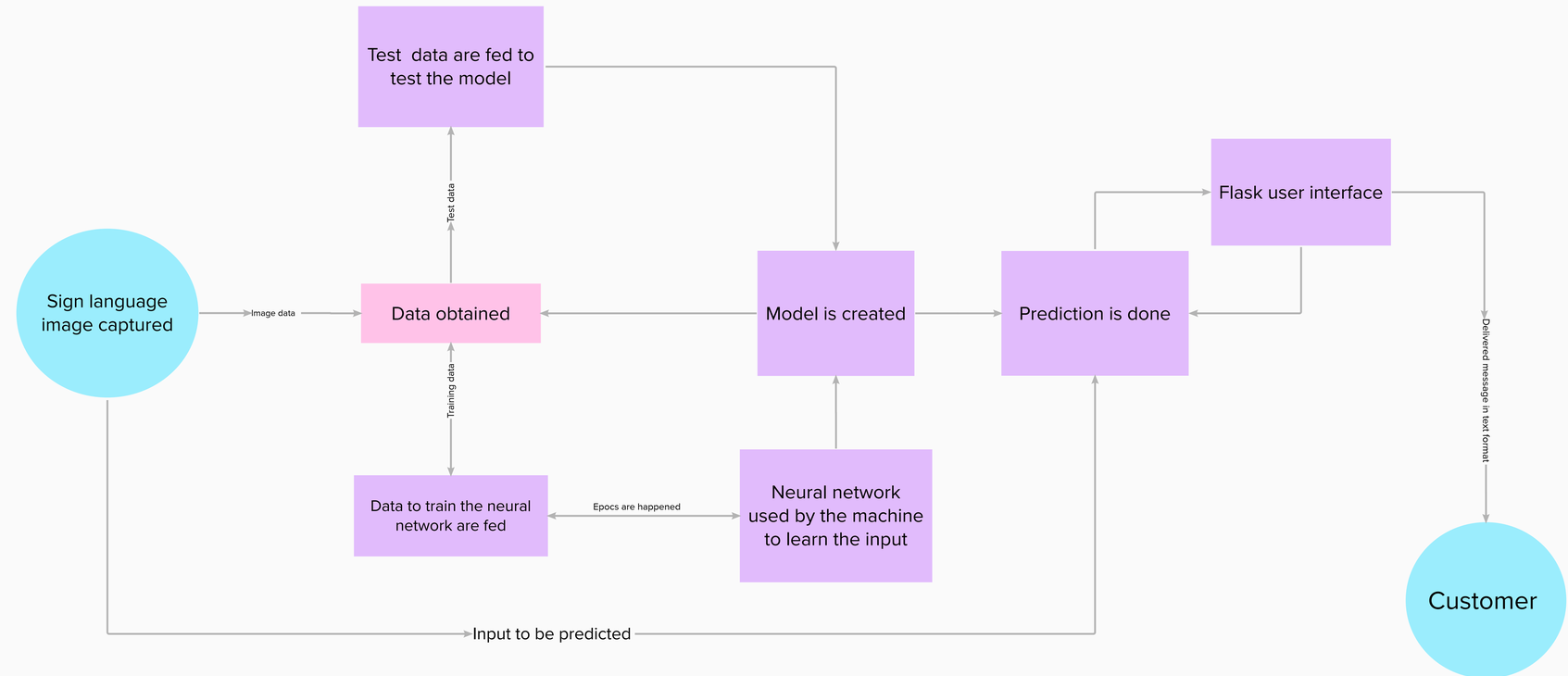
Add labels to connectors double click on the line or choose the "+T" symbol from the connector's toolbar, then type your text.

INSTRUCTIONS

1. Define the process you want to visualize, or use a pre-existing one
2. Develop the data flow by using the shapes and connectors in the key
3. Adjust and fine tune the data flow
4. Review the data flow
5. Next Steps

Data Flow Diagrams and User Stories

Team ID	Real-Time Communication System Powered By AI For Specially Abled
Project Name	PNT2022TMID33196



FLOW KEY

- **Data** — This small rectangle is used for data that is required frequently or is produced in the process.
- **Process** — This shape is used for actions or instructions, the things that must be done.
- **External entity** — It is where data comes from or goes to. It is external to the process.
- Connects elements of the flow.

VISUAL KEY

You can also make your diagrams more engaging by using images and icons!

- Data
- Process
- External entity
- Add your own!

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 (Deaf-Mute people)	User Input	USN-1	As a user, I can input my sign-language to the system for processing.	The user can input sign language into the system	Low	Sprint-3
		USN-2	As a user, I can input sign-language images to the system for processing.	The user can input images into the system	High	Sprint-1
		USN-3	As a user, I can make sure the input is captured correctly by the system.	The system should capture the input correctly	Medium	Sprint-2
	Processing	USN-4	As a user, I can ensure that the sign language input is correctly getting translated into normal message and voice.	The user can ensure that the processing is done correctly.	Medium	Sprint-2
		USN-5	As a user, I can get acknowledgement from the system about the processing of the input.	The user should get an acknowledgement	High	Sprint-1
		USN-6	As a user, I will get feedback about the processing of the system.	The user should get feedback from the system	Low	Sprint-3
	System Output	USN-7	As a user, I can acknowledge the output of the system by ensuring messages are displayed.	The user should get an acknowledgement from the system	High	Sprint-1
		USN-8	As a user, I can get feedback about the system from its output.	The user should get feedback from the system	Medium	Sprint-2