

Project Design Phase-II
Data Flow Diagram

Date	13 October 2022
Team ID	PNT2022TMID03314
Project Name	Data Analytics for DHL Logistics Facilities
Maximum Marks	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.

MURAL TEMPLATE

Visualize data flows and behaviors to explain complex processes

Data Flow Diagram

a template brought to you by your friends at MURAL

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
1-2 hours

DIFFICULTY
Intermediate

TOOL TIPS

Create connections at the speed of thought

Hold **⌘** + 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 entity roles quickly

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

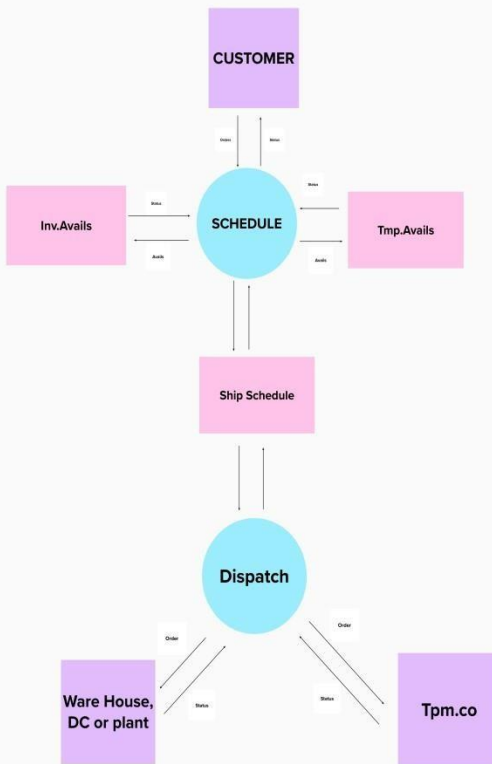
Add labels to connectors double click on the line or choose the "L" from the connector's toolbar then type your text

RESOURCES

Learn more about data flow diagrams and how to use them effectively in your team's workflow.

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



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.
- Source 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 name your diagrams more engaging by using images and icons

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