

Data flow diagrams part 2

Grade 11

Learning objective

11.2.1.6 use data flow diagrams (DFD) to input, process, store and output data in computing systems

Success criteria:

- identify symbols of DFDs
- converts text into schematic representation from scenario

Self study

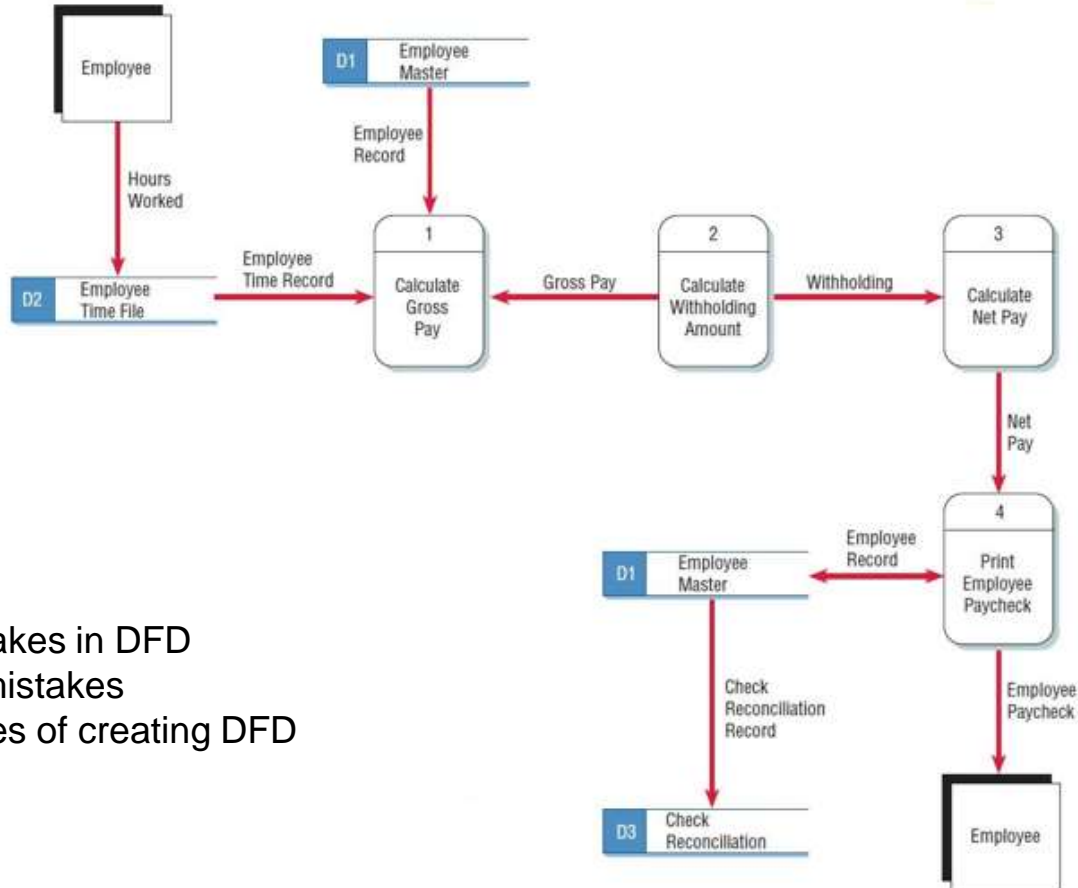
Read information about DFD tutorial.

[LINK1](#)

[LINK2](#)



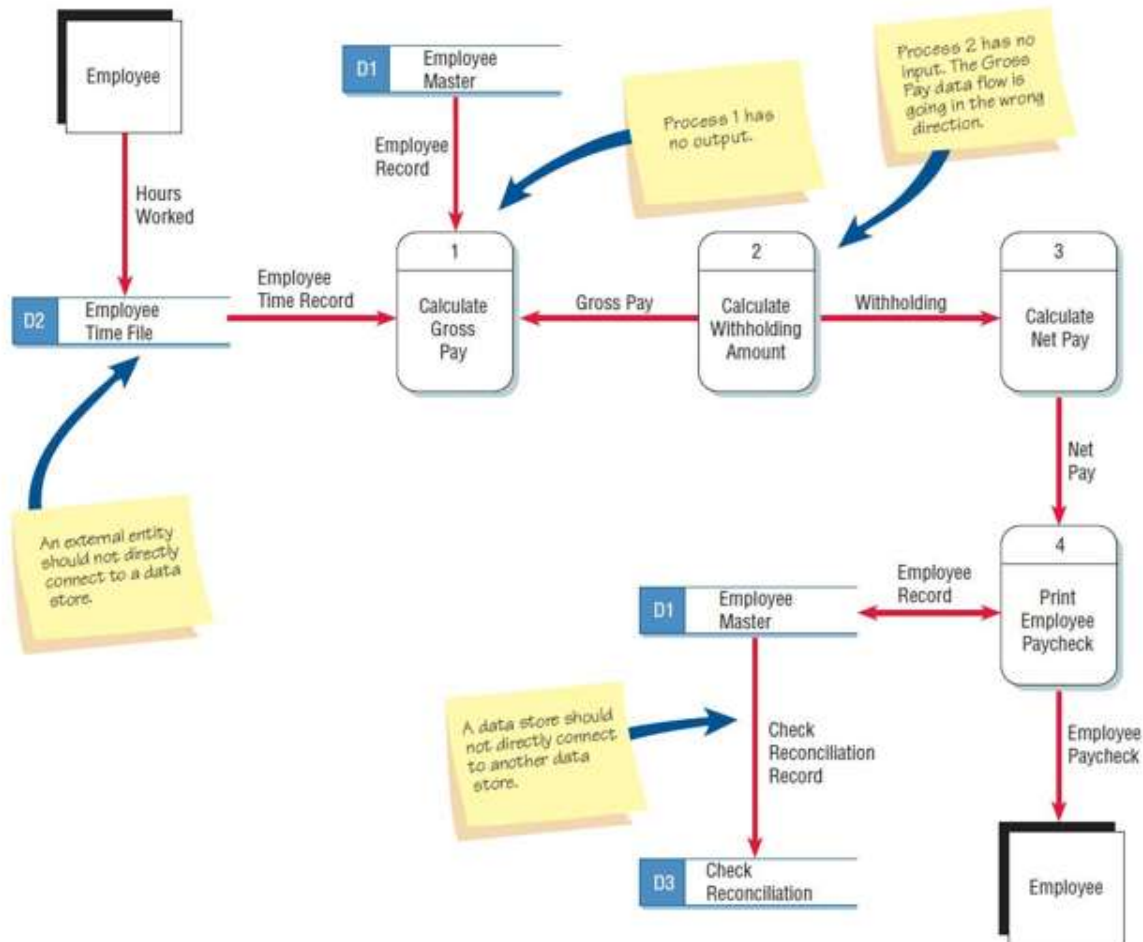
Revise. Find the DFD mistake



Descriptors:

- find mistakes in DFD
- explain mistakes
- know rules of creating DFD





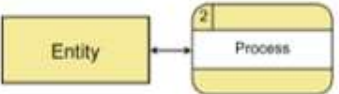
Revise. Find the DFD mistake





Mistakes in DFD








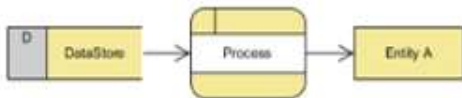


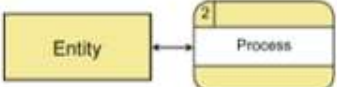
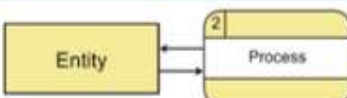
Wrong	Right	Description
		
		
		
		
		

Descriptors:

- find mistakes in DFD
- analyse DFD elements
- explain mistakes
- know rules of creating DFD



Mistakes in DFD

Wrong	Right	Description
		An entity cannot provide data to another entity without some processing occurred.
		Data cannot move directly from an entity to a data story without being processed.
		Data cannot move directly from a data store without being processed.
		Data cannot move directly from one data store to another without being processed.
		Two data flows can not cross each other.





Individual

Identify correct name of processes, data flows and data storages.

1. [Scenario 1](#)
2. [Scenario 2](#)
3. [Scenario 3](#)

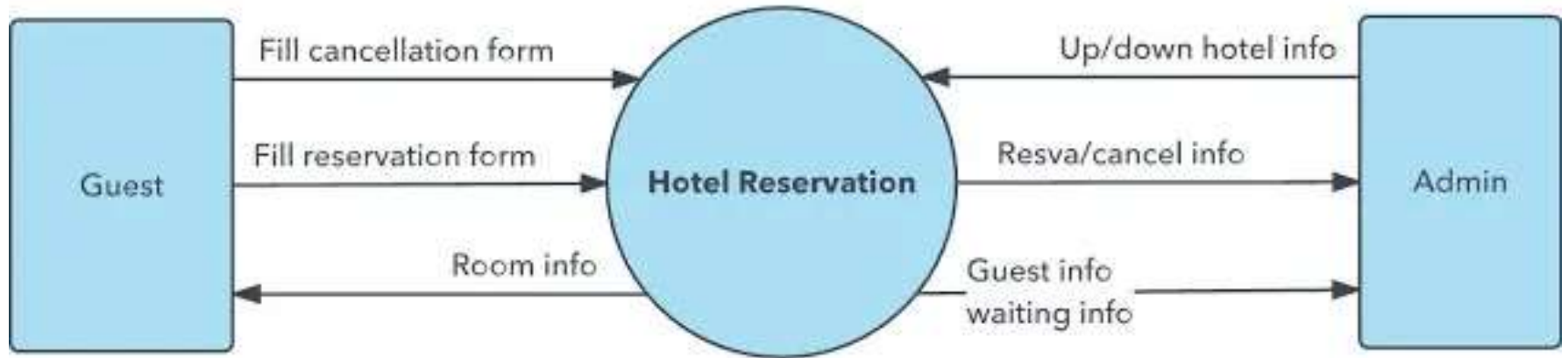
Descriptors:

- identify name of processes
- identify name of data flows
- identify name of data storages

Answers

<https://docs.google.com/document/d/1ogqFzICO0fJniyQIRDdlQHKFXISe5UTHTJryVmA5GZk/edit?usp=sharing>

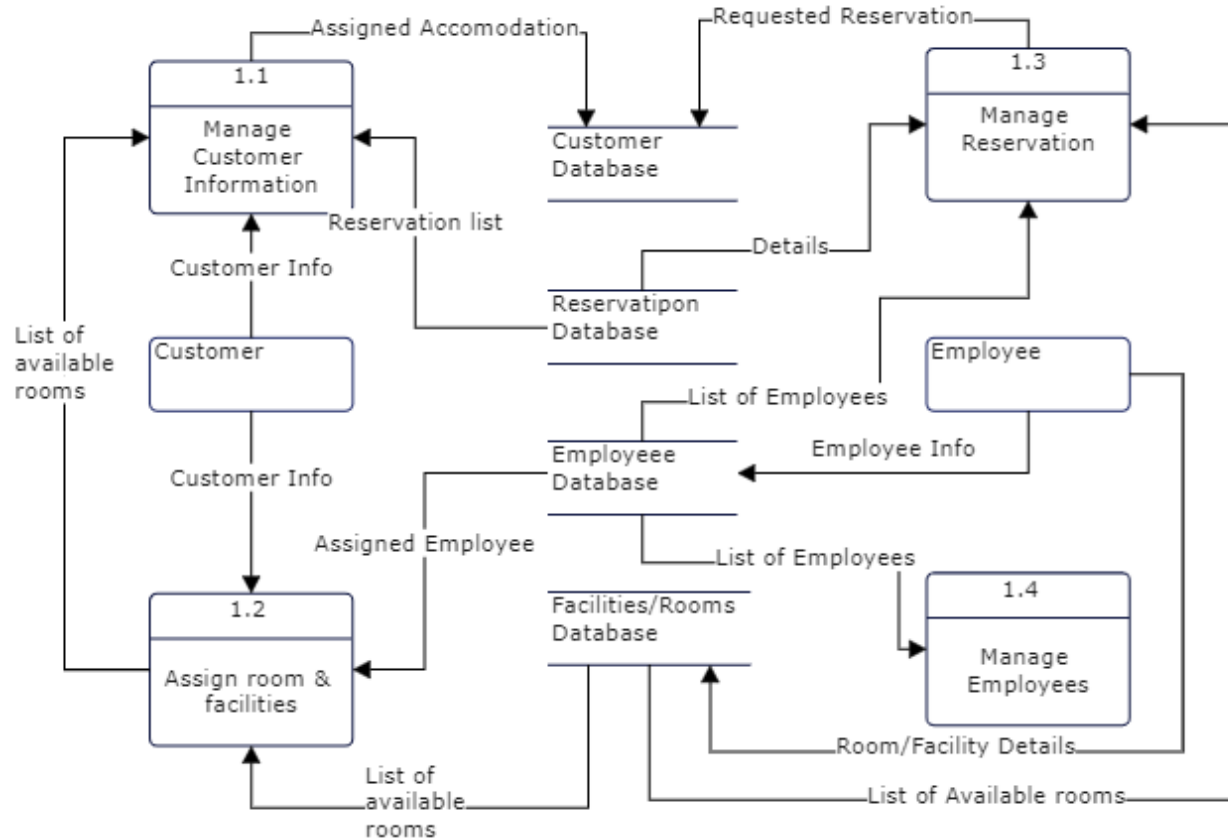
Example of DFD Level 0 for a Hotel management System



Task: Draw DFD Level 1 for a Hotel management System

20 min

DFD Level 1 for a Hotel management System





Individual task

Read examples of project work report(only definition and investigation part).
Assess given examples and explain scoring.

Descriptors:

- define data collection methods
- analysis examples by using scoring sheet

Post-lesson Reflect on the Learning



What concept or skill did you learn today?

What is unclear or confusing?

Does the information you learned today connect to something else you've learned in the past?

If you were going to teach this to someone else, how would you teach it?

What concepts, information, or skills would you like more time discussing, practice, or working with me to better understand?