**4310\_RULES\_QUIZ**

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Complete your short answers on this document (total max. 100 words each).

1. Describe why each data flow is unique.

Answer: Data flow is important because it links all of the entities and process together. With everting linking together it allows us to view the whole picture of the data flow as well as look at certain sections.

1. Define the difference between data stores and M\_Logs.

Answer: Datastores store datafiles like databases, emails and documents while M\_logs store specific entries like the name of a person, address, identification number, and phone number.

1. What is a linear relationship and how it is shown.

Answer: A Linear relationship is an increase and decrease of a variable. When a change in the linear relationship occurs everything is affected.

1. What is a balanced diagram.

Answer: When an outgoing process is transferred to the to the next level process balancing it out.

05. What is meant by the term of atomic level process.

Answer: The Atomic level is the last process or last step. For example, the transaction at a ATM where the end result is receiving money from the machine.

1. Discuss the similarities between nested data stores and M\_Logs.

Answer: Nested data is data secured into other data within larger data, while M\_logs are data entries within one another so they both store data within each other.

07. How can you determine the relationship between a child, parent, and grandparent in a DFD project?

Answer: Within the data flow they are separated into sections, the child is usually the beginning of the dfd and then moves onto the parent but the information that is stored in the parent is building upon the child but is not directly related to the child section of the dfd, and the grandparent is usually the end result of the dfd.

08. Why would a data flow NOT connect directly between two entities?

Answer: Because each entity is connect to a process and connecting two entities wouldn’t be able to complete the data flow. An entity needs a process to work to share its information with the database or else it will not connect.

09. How do you determine if an entity should be in the DFD model.

Answer: If it relates to the structure of the dfd model. For example, if you are making a dfd about the types of candy one of the many entities will be the type of candy or the brand.

10. While a single double arrow data flow line is shown on the DFD why are two distinct descriptions used to describe it.

Answer:

11. What criteria determines an entity.

Answer: the process level is used to determine the entity and how does it relate to the proposed concept you are trying to build in the dfd. How often is it used, how it accommodates the idea.

12. What is unique about a system level DFD.

Answer: It is the first process that breaks everything down. It digs deep into the sections like for example a car, the engine, the oil it uses, the type of interior, the power usage, etc.