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April 16 (Team Assignment) - South American Dining Restaurant

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Review the DDL section in Chapter 5 and Complete DDL documentation of the following items:

- 2 Data Flows
- 2 Data stores
- 2 External Entities
- 2 Processes
- 3 Data Elements.

Bring to class on April 16

Data Flows

ID Calculated Pay	NAME CALCULATED PAY
	ALIAS CALCULATED PAY
DESCRIPTION Sends the dollar amount of an employee's paycheck to the Create Payroll process	
ORIGIN D1 Maintains Employee Payroll Information File	
DESTINATION Process 3.0 Create Payroll	
RECORD Payroll	
VOLUME AND FREQUENCY Weekly	
COMMENTS Send allocated amount to Accounting department to determine taxes and personal funds	

ID Schedule	NAME SCHEDULE
	ALIAS SCHEDULE
DESCRIPTION Sends the completed weekly schedule to all employees	
ORIGIN Process 5.0 Produce Weekly Schedule	
DESTINATION Employees	
RECORD Weekly Schedule	
VOLUME AND FREQUENCY Weekly	
COMMENTS Weekly schedule must factor in day availability provided by employees	

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Data Stores:

LABEL	Inventory File
ENTRY TYPE	D4
DESCRIPTION	Holds on hand count for inventory items
ALIAS	D4 Inventory
COMPOSITION (ATTRIBUTES)	Update Inventory file, Create inventory report.
NOTES	Inventory File
LONG NAME	

LABEL	Records of Equipment Maintenance
ENTRY TYPE	D3
DESCRIPTION	Keep records of maintenance
ALIAS	D3 Record Maintenance
COMPOSITION (ATTRIBUTES)	Update maintenance record, Report Maintenance use
NOTES	Record Of Equipment maintenance
LONG NAME	

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External Entities:

LABEL	Produce Vendor
ENTRY TYPE	External entity on food product provider
DESCRIPTION	Produce provider for the stores
ALIAS	Food master
VALUES & MEANINGS	External vendor for
NOTES	Daily food source provider
LONG NAME	PRODUCEVENDOR

LABEL	Equipment Supplier
ENTRY TYPE	External entity on equipment
DESCRIPTION	The individual determine the maintenance need for the equipments.
ALIAS	EQSupplier
VALUES & MEANINGS	The source of new equipment and pre-owned equipment maintenance service provider.
NOTES	Equipment maintenance
LONG NAME	EQUIPMENTSUPPLIER

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Processes:

SYSTEM	South American Dining Restaurant
PROCESS NAME	Create Payroll
PROCESS ID	3.0
INPUT DATA FLOWS	Calculates Pay
OUTPUT DATA FLOWS	Payroll; Payroll
PROCESS DESCRIPTION	Creates calculate paycheck after taxes for employees

SYSTEM	South American Dining Restaurant
PROCESS NAME	Update Maintenance Reports
PROCESS ID	11.0
INPUT DATA FLOWS	Maintenance Report
OUTPUT DATA FLOWS	Determine Criteria for Needed Maintenance
PROCESS DESCRIPTION	Updates maintenance upkeep report based on item, DOP, and cost

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Data Elements:

SYSTEM: South American Dining Restaurant

DATA ELEMENT NAME Model Number **LABEL** Model Number

ALTERNATE NAMES Serial Number

TYPE AND LENGTH alphabetic & numeric 15 **OUTPUT FORMAT** "#####"

DEFAULT VALUE \$1000 **ACCEPTABLE VALUES** Any numbers or letters

PROMPT/COLUMN HEADER

SOURCE Order form

SECURITY Equipment manager, Employees

RESPONSIBLE USER Equipment manager

DERIVATION FORMULA

DESCRIPTION AND COMMENTS Keep track of when equipment was bought/ sold and maintained.

SYSTEM:

DATA ELEMENT NAME Social Security Number **LABEL** Social Security Number

ALTERNATE NAMES SSN

TYPE AND LENGTH 9 Numeric **OUTPUT FORMAT** "###-##-####"

DEFAULT VALUE None **ACCEPTABLE VALUES** Numeric only

PROMPT/COLUMN HEADER

SOURCE Employee application form

SECURITY Accounting department

RESPONSIBLE USER Accounting department

DERIVATION FORMULA

DESCRIPTION AND COMMENTS Used for employee's payroll.

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SYSTEM: South American Dining Restaurant

DATA ELEMENT NAME Food Inventory **LABEL** Food Inventory

ALTERNATE NAMES Inventory

TYPE AND LENGTH Alphanumeric; No Limit **OUTPUT FORMAT** "Item → Amount"

DEFAULT VALUE 0 **ACCEPTABLE VALUES** Alphanumeric

PROMPT/COLUMN HEADER

SOURCE Inventory Specialist

SECURITY Manager Level

RESPONSIBLE USER Inventory Specialist

DERIVATION FORMULA

DESCRIPTION AND COMMENTS The inventory specialist updates the inventory by inputting the name and amount of each item on hand