







The Four Basi and Examples (Figure 7.1)	ic Symbols Us s	ed in Data I	Flow Diagrams, T	Their Meaning Sole Constants
	Symbol	Meaning	Example	
		Entity	Student	
THE OWNER	\longrightarrow	Data Flow	New Student Information	
		Process	2.1 Create Student Record	
Kendall & Kendall		Data Store	D3 Student Master	
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Symbols for DFD	Yourdon notations (sou	rce: www.yourdon.com)
,	External Interactor	<i>External Entity:</i> Source or destination of data
	Process name	<i>Process:</i> Action on data
	Data store	<i>Data Store:</i> Storage of data
	٦,	Data Flow: Data Transfer
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Featur (Figure	res Common of e 7.7)	Logical and	Physical Data Flow Di	Ekonomi & Bisnis School of Economics & Business agrams ^{tem Iniversity}
	Design Feature	Logical	Physical	
	What the model depicts	How the business operates.	How the system will be implemented (or how the current system operates).	
	What the processes represent	Business activities.	Programs, program modules, and manual procedures.	
	What the data stores represent	Collections of data regardless of how the data are stored.	Physical files and databases, manual files.	
	Type of data stores	Show data stores representing permanent data collections.	Master files, transition files. Any processes that operate at two different times must be connected by a data store.	
Kendall & Kenda	System controls	Show business controls.	Show controls for validating input data, for obtaining a record (record found status), for ensuring successful completion of a process, and for system security (example: journal records).	

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CRU	D Matrix (Figure	e 7.11)				
	Activity	Customer	Item	Order	Order Detail	
	Customer Logon	R				
	Item Inquiry		R			
	Item Selection		R	С	С	
	Order Checkout	U	U	U	R	
	Add Account	С				
	Add Item		С			
	Close Customer Account	D				
	Remove Obsolete Item		D			
	Change Customer Demographics	RU				
	Change Customer Order	RU	RU	RU	CRUD	
Kandall 9 Kan	Order Inquiry	R	R	R	R	
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