

## **Elements of Analysis Model**

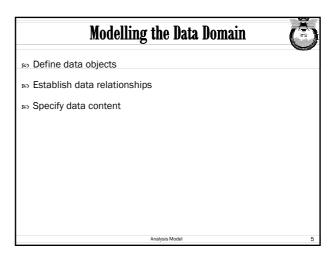


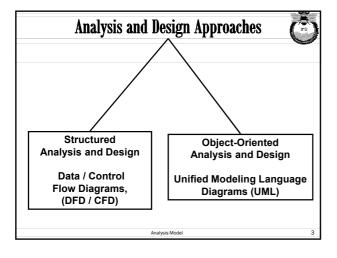
- The <u>Statement of Software Scope</u> provides the basis for analysis modelling.
- The following models are built during analysis:
  - 1. Data model: Database objects and relations
  - 2. Functional model: Data flow
  - 3. Behavioural model: Control flow, Events and states

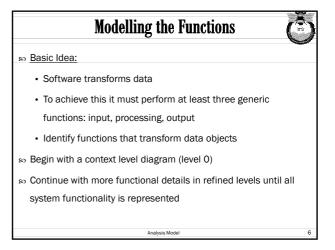
Analysis Mode

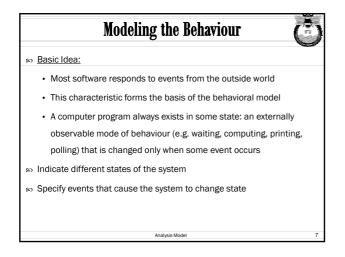
Agenda

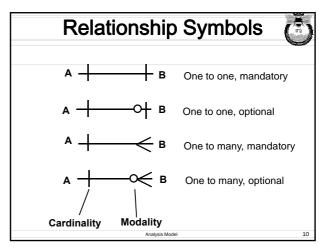
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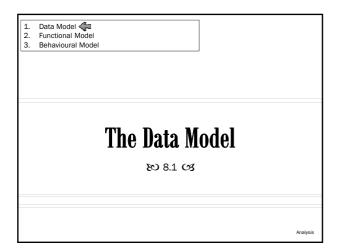


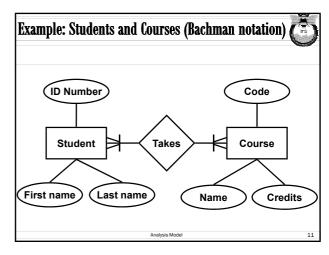


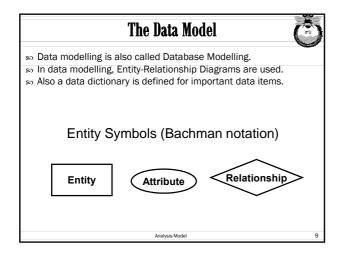


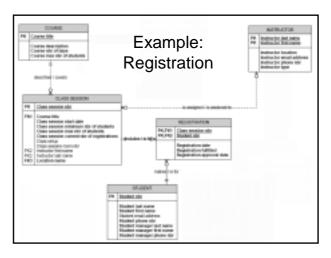


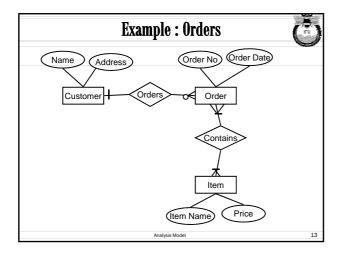


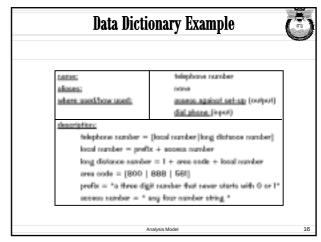


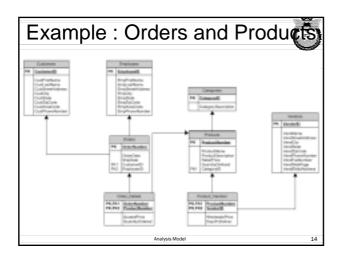


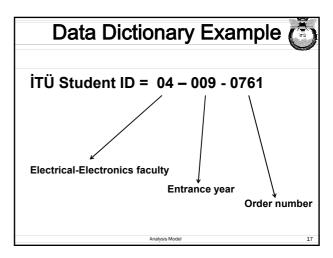


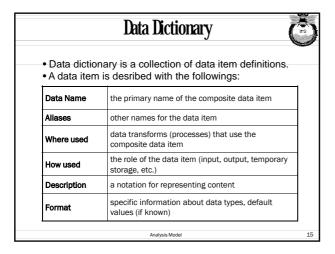


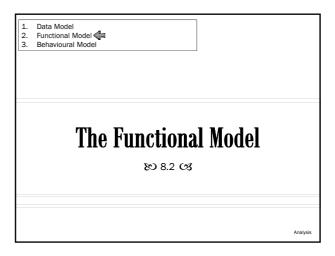


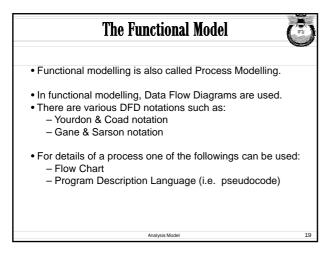


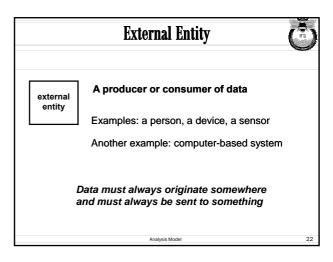


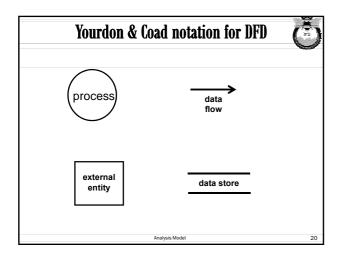


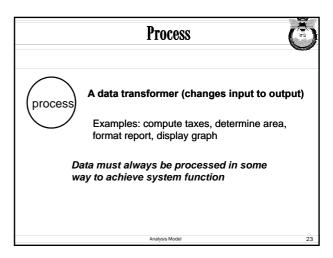


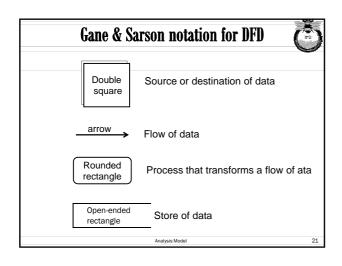


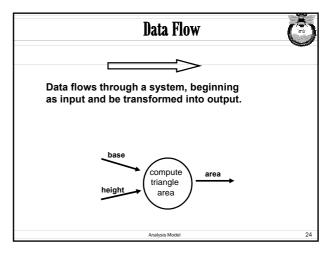


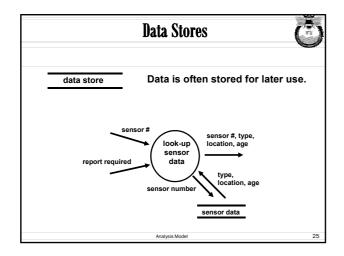


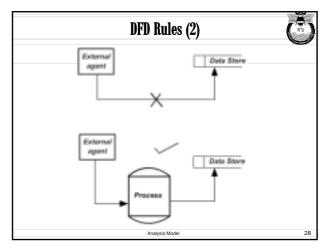


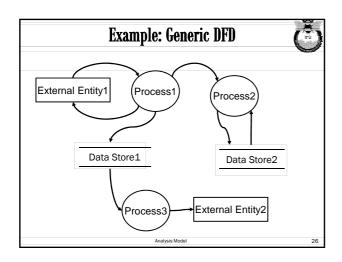


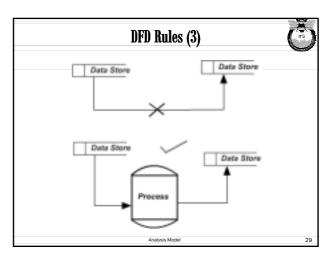


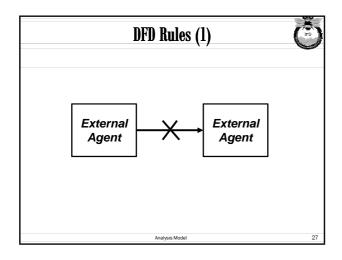


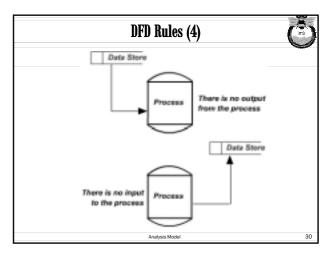


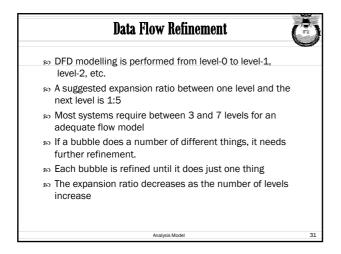


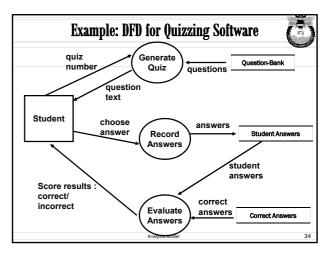


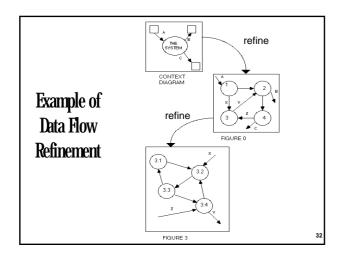


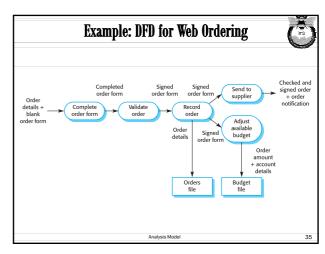


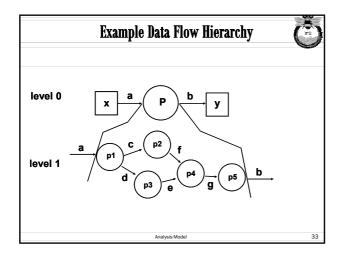


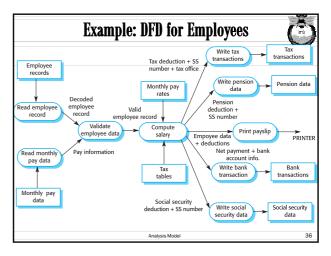


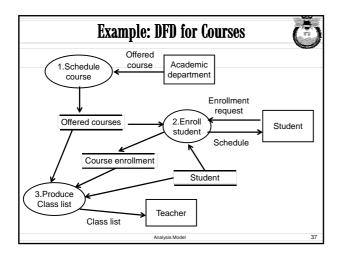


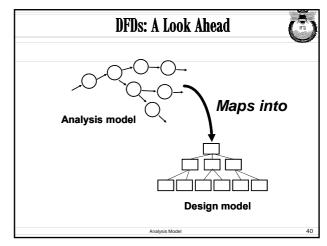


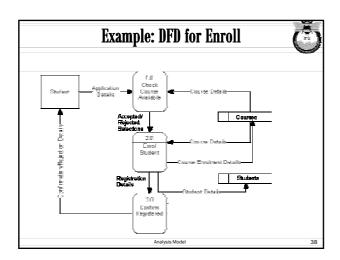


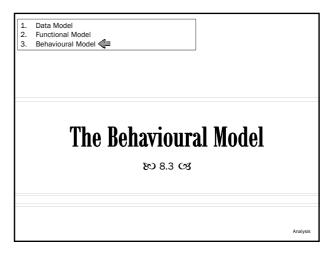


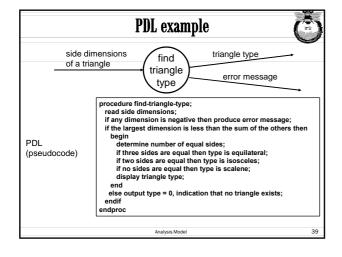


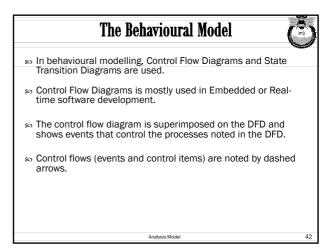


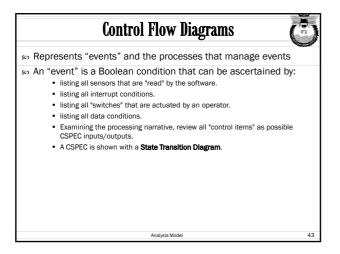


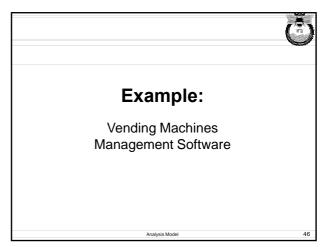


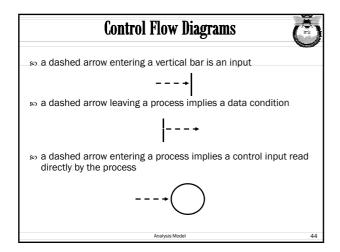


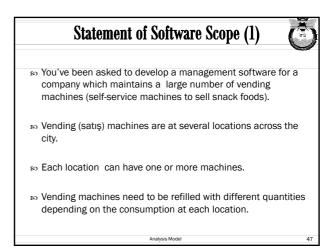


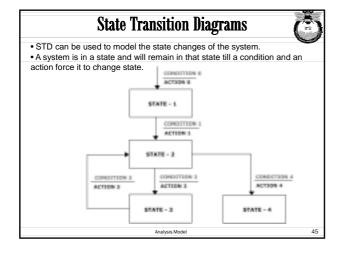


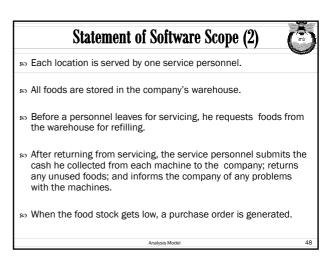


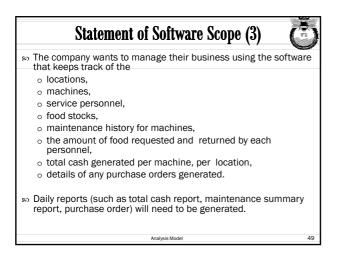


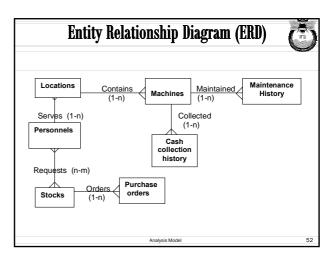


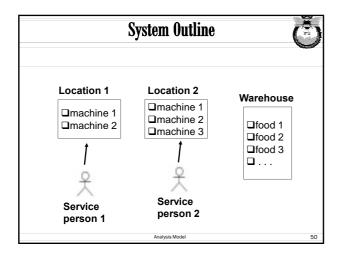




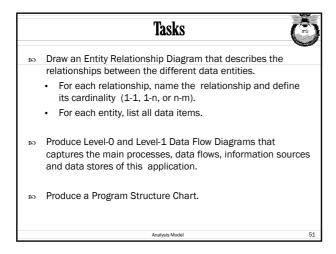


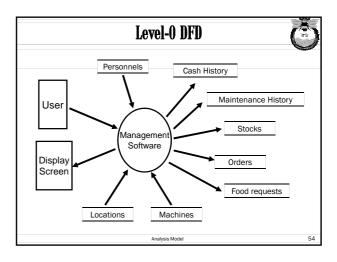


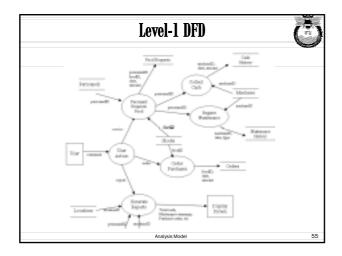


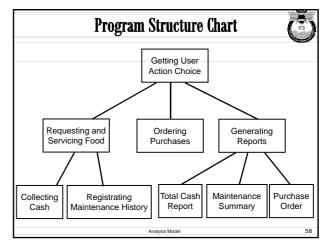


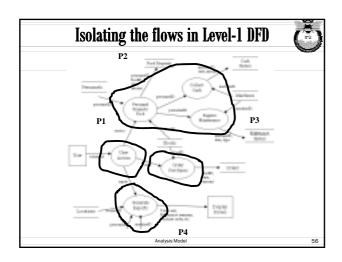
Entities <b>(*)</b>	
ENTITIY	DATA ITEMS
Locations	Location_ID, Address, Number of consumers, ServicePersonnel_ID
Machines	Machine_ID, Location_ID, Frequency of refilling
Personnels	Personnel_ID, Personnel name
Stocks	Food_ID, Food name, Current amount
Food_Requests	Personnel_ID, Food_ID, Date of request, Amount of request, Returned amount
Cash_Collection_History	Machine_ID, Date of collection, Amount of cash
Maitenance_History	Machine_ID, Date of maintenance, Type of maintenance
Purchase_Orders	Order_ID, Food_ID, Date of order, Amount of order
Analysis Model 53	



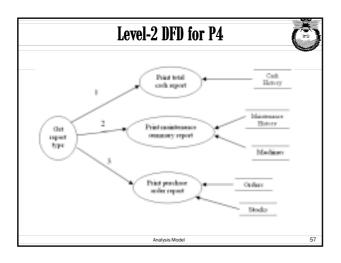












## Statement of Software Scope (1) 50 A technical service firm needs a web-based software to keep track of maintenance and repairment operations for their customers' devices such as combi, air conditioner, laundry machine, refrigirator, etc. 50 The followings are functional requirements: 50 A "Service Request Form" must be filled for all kinds of service requests. The form must contain fields for customer name, address, telephone, and a description of service being requested.

