Model.4: Data Flow Diagraming <sparx-models> <website> <how.to.doc[VG]> <how.to.video> <wikipedia> Purpose: is the proess of representing simplified data transactions enabling process and stakeholder owners to agree on scope and boundaries of a systems analysis and design reengineering effort. Key tasks are consolidated in levels 1 to 2 concentrating focus on next step => database the 1 to many transactions they likely perform. UserLogin (0) table diagramming UserID int identity Level 0 - DFD - Context Diagram ShowClasses (C) Class ID int identity customer Name varchar(50) details USEE ID int Color varchar(20) Level 2-DFD - main subavailable HorseShow (A) Contact Number in Video return of video. processes and data stores Rental Customer Supplier Contact_Name varchar(50 membership card LTD orde MeasureCard ID int Student Info Trainer_Name varchar(50) membership card Student File Total_Shows int payment 4.1 ShowDetail (B) overdue videos User ID. reminder purchased View Registrar Staff, Password Subject Info Show_Count int Students Subject Info video Grade Parking_Fee int Rider (F) Report Rider ID int identify Name varchar(50) Address varchar(100 Grades File Grades Info Owner (D) Student Contact Phone in Grades Billing (G) SS_Num inf PK Payment ID int identit Level 1 - DFD - Details + 1 Animal ID int Total Classes int 4.2 ContactPhone in Balance real Student Grade Report USEFNum int Total_Paid real customer Student Generate Customer membership card details Reports Student Grade Report • Context diagrams — context diagram DFDs are diagrams that present an customer Grades Report details overview of the system and its interaction with the rest of the "world". create Supplier request for Customer new D1 oustomer video • Level 1 data-flow diagrams — present a more detailed view of the system than tavailable customer file titles Registrar/ context diagrams, by showing the main sub-processes and stores of data that payment customer Dept. Head details make up the system as a whole. inettutor.con membership card videos • Level 2 (and lower) data-flow diagrams — a major advantage of the data-flow purchased return of video loan modelling technique is that, through a technique called "levelling", the detailed of stock video control order complexity of real world systems can be managed and modeled in a hierarchy of overdue Supplier reminder abstractions. Certain elements of any dataflow diagram can be decomposed item returned payment overdue items new video ("exploded") into a more detailed model a level lower in the hierarchy. video loan details item on loan IT.304 Systems analysis, design, and implementation planning, Southern New stock Customer Hampshire University,

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reference. It is not an academic reference.