ER Diograms R.Z

Data models

types: correptual data model, lagraal data model - relational, retwork, hierarchical, inverted list, ologest-oriented that manipulate the doctor income of describing the structure of dato a set of operations

Conceptual Doda models

shows the structure of the data and has things are related Communication tool

independent of commercial Danses

easy to leaven and use

helps show sencethes/invening of olador opaphical representation

Gritty-Relichansing Madel Common

Cogical Bata Models - Relational, Networth, Hierarchical, Inverted Ust, Relational Dools model

clocks its stocked in textles. Tables howe one value per cell based on methematical model

Network

data is stored in records (vertices) ; association (edops) Suspell Corplex

Hierardinal

stand in a tree structure with parent child relotionships dota is Inverted Ust

tabular representation of data using indices to access the tables Br non-colonic dedo velues almost relational, but it allows

Object-Oriented

data stored as objects which contain Identifier, name, Wehme, structure

Ennly-Relationship model Elley, simple to reach

Emilies

principle objects about which Into is these rectangles who none inside are nouns, person, place, thing, event Shown as Relogianships

connect and or more entities trajectrez to straw association Seside with near Inside of just carrot exist without at least one entitly gloward shound as

0/2 Enalled In

O "Enfolved Li"

Anort transferences of entities or relationships Soch donate ර Value for every instance expected to trave Pezson lypes of Attributes Shown as oned or Entities Attributes Name SI, H

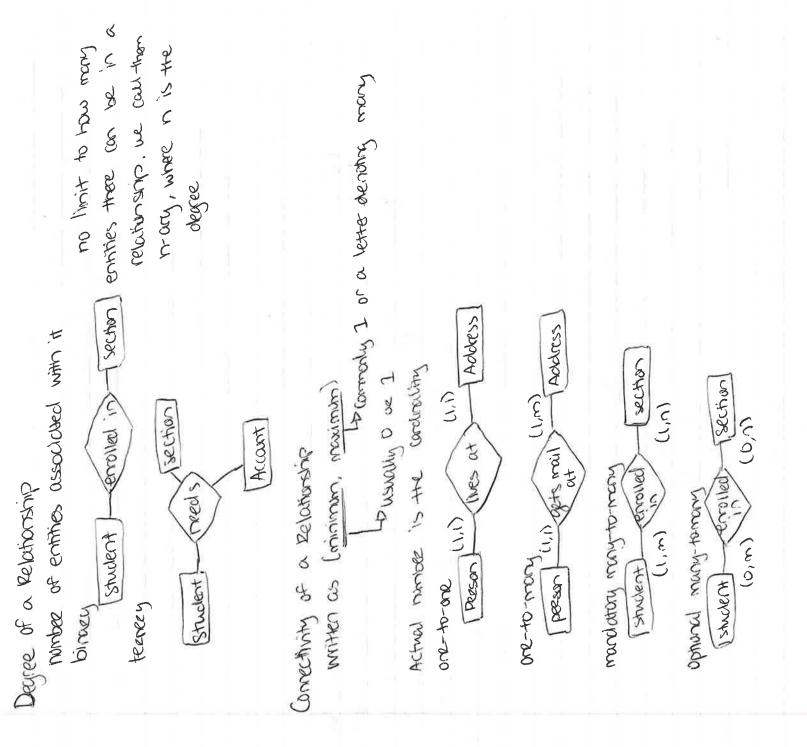
only espected to heve a value when the entities come together. Referred intersection clode on Relationships \$ CS

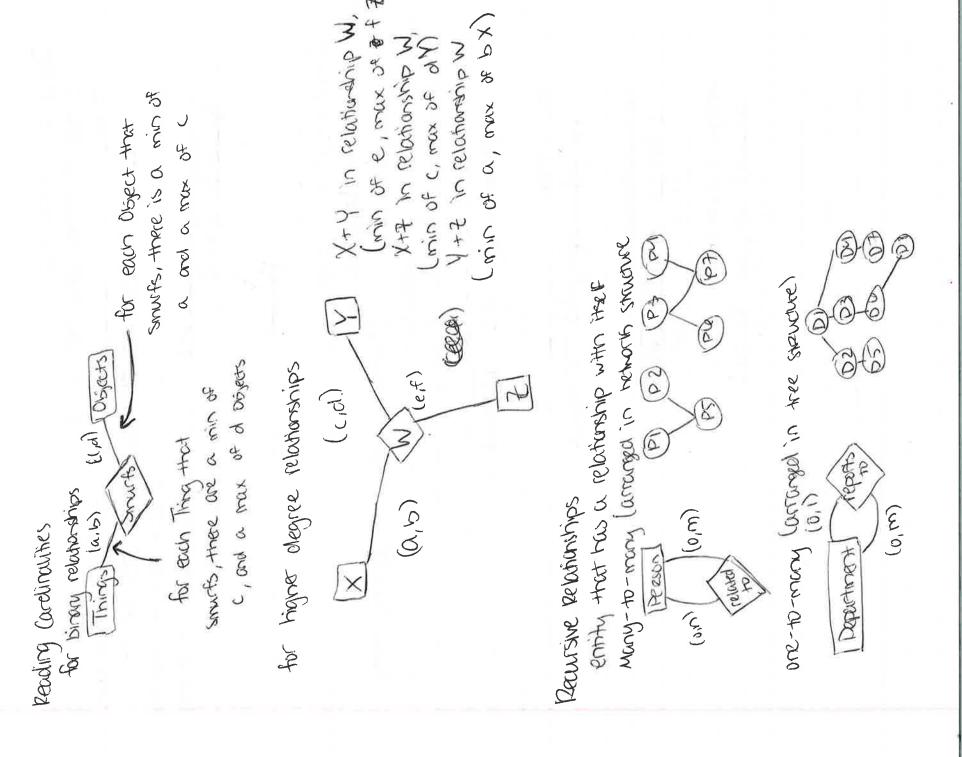
(chentified (them)

Sant. description

mapes multivalued descriptor Composite otherbute

state 410 street CAR (address





GR Diagrams PC2

"IS a" - straws substype IS a member of the supertype "is part of" - straws the supertype contains, or is made up membees of the sublypes Inhentance

IS A Inheritance

happens when you have a supertype and one or more subtypes that are marbles of the supertype

Bear Faculty Stott

Defining IS-4 Innertance

Supring (Perialization is Specialization: supertype union of all substypes and enithes specialists the supertype and can exist without being Cannot exist without tecluriging to at Houst are substyce NS related to the sustypes Achigine, pich 1 Monday-

Instance ટુ institutibly - Overlapped us disjoint subtypes - instance of the supertype to E B related to more than our submyre us submyre entities of the supertype to be reload to ware than one swarpe methodily exclusive and it is not possible to exclusive Pur 1