APM: Concretated design ERMade 1 hoolth and System.

Tools required!.

https://draw io (or (reatly / ERD plus) steps Involved in creating ER diagram

Step: 1: Problem understanding and requirments Anatysis

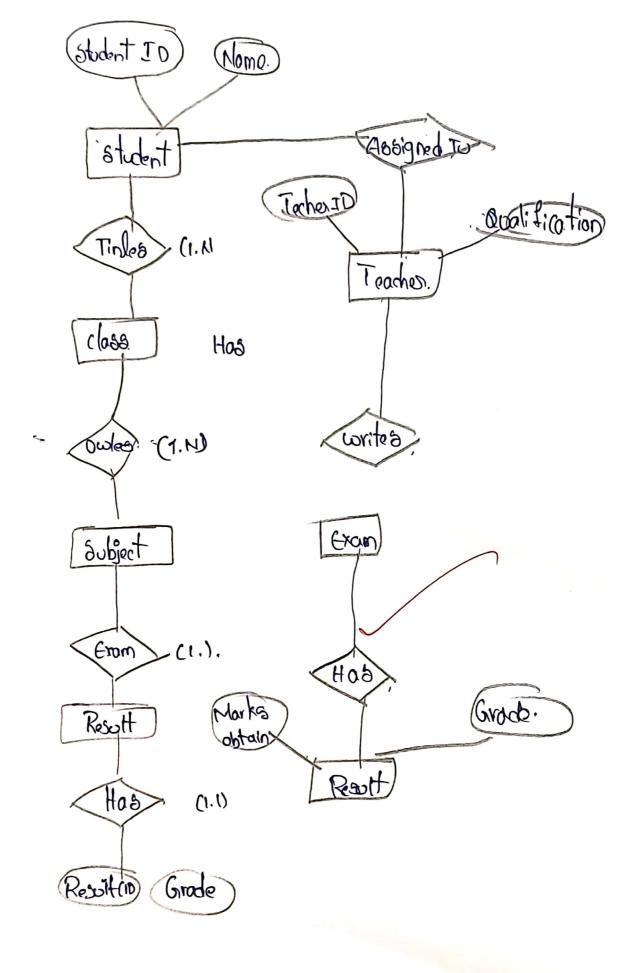
-) understand the domain: Hospitals Patients doctors; Appointments

Parcipation

Step: 2: Identify major entites are use lose Contendo representing objects of Gropts in the System

- -y Partent
- -1 Doctor
- -7 Appointment
- -> Prec scription
- 7 Mediane
- -> department

Step-3: Identify Athibutes for each exitify
Example attributes:Entity 4thibutes:-



Rotfort: Partent ICOK); Nome, oge, Phone number; Address
Doctor: Doctor (PK); Name; specilization Gotaet No, DePortment
INCFK)

Appointment: Appointment IX(PK); Polich ID(FK); Portor ID(FK)

dark; time.

Prescription! - Precription ID(PIX); Aprointment ID (FK), diagonisi;

Medicines: - Hedicines In (PK); Name: Dosa: x, Mesortrature.

deportment: deportment ID (Rt) Name, location.

Step 4:- define relationships between entitles

7 A Patient books one (or) more appointments

+ A doctor anducto garnates one Preciption

-) A precription quibes many medicines

+ A doctor belongs to one department.

step: 5:- draw ER d'ogram voing.

Protoction:-

Offer https:// draw. 1/0

choose. Blank diagram — click crack

from left Panel drag the following

tose rectangles for entitles (Poitent, doctor).

Tose rectangles for entitles (Nome, Agp, etc...)

Tose diamonds for relationships (Books, wonder)

Connect using lines
Solid lies for volationship Connections use of at underline to denote Primary Key

-> Use clouble ellippe for multivaland attributes of use lables such or (i.n.); (H:nII); etc... to show Condinations.

Example rolationships:

Rationt (i) - books -+ (m) Appointment doctor (i) - Conductor -- (m) Appointment

Appointment (D) — includes -> (m) modicine Some diagram as pNC (Pdf and include it any your lab reflect.

Input for the ER design :-

real-time health live Systems, sormans user requirments data base design revoles Centity - Assitant), relationshi Identification)

Oct put :- holiso)

Entity. Ielationship diagram (ERD),

that clory shows whole strange

Identified entitions work attributes

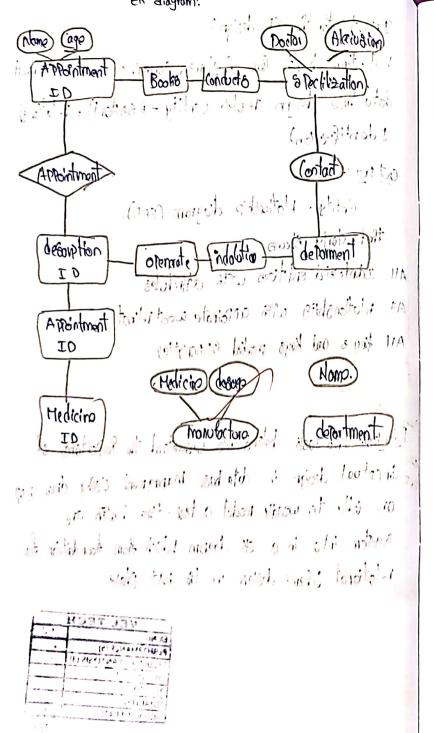
relationships with ambinate wootrelinat to 1867A

At key a and keys marked apparentely

onioth 111 Resolter This task helped us understand the importance of In Conceptual design in data base management using draw 10,1 are able to woodly model a teal-time health are Bystem into in a EK-dagram Which from foundation for relational Echeme design in the rest phase.

which airthur.

VEL TECH	
EX No.	1.
ACDEODMANCE (5)	5
RESULT AND ANALYSIS (3)	_S
VIVA VOCE (3)	2
RECORD (4)	
TOTAL (15)	17
SIGN WITH DATE	17
	2817



Date : 28/07/85 : Hour busines ! TASK ! 1:2: Govert ER diagram into relational mode Aim :- To Convert the ER diagram into the relational mode! Steps for Conjecting Endingram to the table Entity type become a toble 411 single valued altributes booms a Columbiation the table is topy tropic A key available of the entity the derived attributes are not considered in the table using there rules you can contain the CR diagram toble and column and ossign the marry tool blo to table with toble sturture from the given ER diagram in any bow. adar of 3ghib.m (30) no milation Acathlan d mileings

21 41 11

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