assignment 1

Scananio: Park

- . I the man at a to competion of these sections
- · Lack wood section has a number of specific species of trees-
- · You can arress many whose way mounds.
- · The Forest also have a morager
- · There are Fire-Stations in the Ports.
- · Early Fire-Station monitors fires in the Pork.
- There are Facilities
- · Faither consist of Comps and Offices in the Park.
- · There are also Rivers.
- · Each River Supply water to a different Facility.

Answer the Orbitions rising the fixt crisine:

- 1- (SEPE) DIOU HO E-R biogram of the Ports.
- 2-(BPIS) Give all the Functional Dependencies in the question.
- s (sopis) like 2 relations
 - a) That rolds the anterios of Boyar-Codd Named Form, if there is any.

 Lipton why they are in BCNF.
 - (xplain why they are not in BCNF.

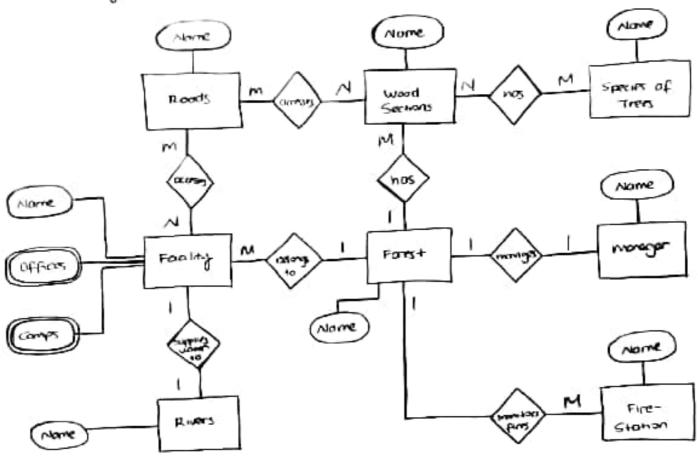
4-(10PK) Chue 2 relations

- a) that holds the criteries of 3 Normal Form, if there is only. Explain why they are in 3NF.
- b) That does not hold the enterior of 3 Normal Form, if thereitary. Explain why they are not in 3NF.

if there is not any one of them, then just write it.

Assignment |

1-EK Diagram of the Park:



2- Functional Dependencies:

- · Forest Name → WoodSertion : Name

 Forest Name → Forestry Name

 Forest Name → Manager Name

 Forest Name → Turstoken : Name
- · Firstly Name → Rivers Name
 Friedly Name → Hands Name
 Facility Name → Hands Name
- · Roods Name -> Facility Name reach! Name -> word section : Name
- · specialities . Name swandsections . Name
- · FILE-10+01 Nome DEGRA+ Nome
- · Monage : None -> Forst : Name
- · Wind Section Name -> Plands: Name

 wind Section Name -> Plands: Name

 Wood Section Name -> Plands: Name

CSE 414 - bataloase Assignment 1

3- 2 Robitions

- a) That had the mishes of BCMF:
- · Supplies whiter to

Facility	Nome
А	X
15	1 4

" Each that supplies motor a differen feellity."

50 each two columns would be different.

The columns are unque and rendidate may.

· manages

Forest	Morager
Α	×
13	4

"The forest have a manager."

So them is one-to-one relationship between Forst and Manager.
Both columns are unique and cardiclate way.

- b) That does not hold the criteries of Bonf:
- · Accesses

Model	Nome
	×
^	4

" You can areas everywhere by Macete"

One much can accesses more turn are packings.

Columns are not condition us.

• Has

nucleous Above	SHOP POR
FNIE	APPE
Fruit	Pear

[&]quot;Each warderen has a number specific species of trees."

The first column defines which species it is.

Tolumns are not condicate beg.

Assignment |

u- 2 Robbins

- a) that mid the orderes of ENF:
- · Rund horse senting
- · Proper Artest Intoxistetion

They hald the orienas of 3NE.

- b) that does not hold the chienes of 3NF:
- . There is no necessary that class not hold the criterios of salf.