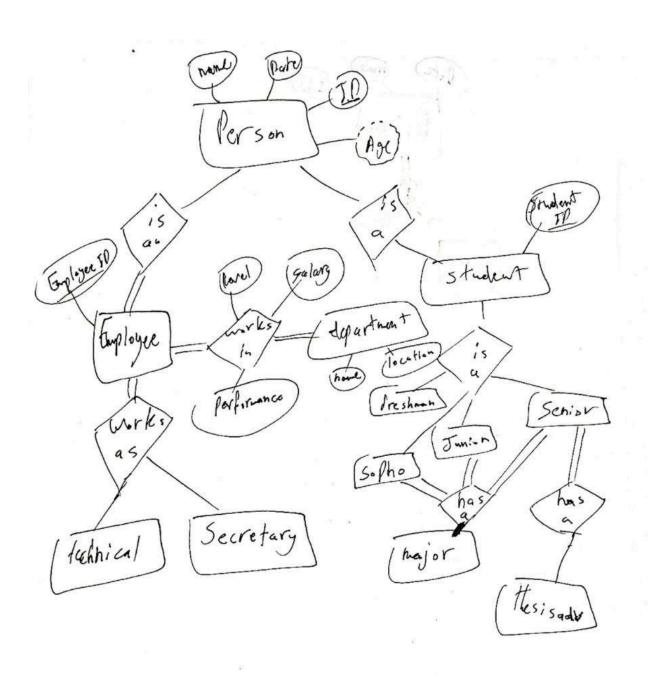
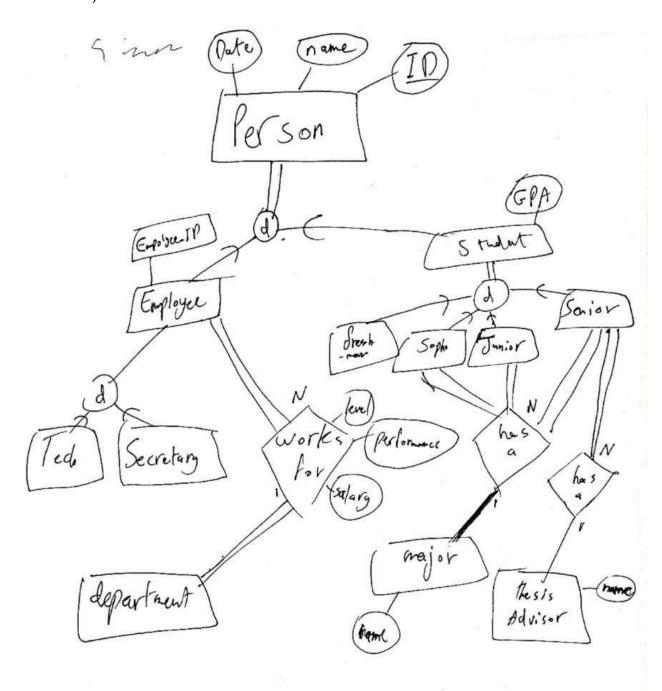
Yazan Alnakri DS-01 y.alnakri@innopolis.university

1)





3) computer: Mac address, id

Desktop: name Software: size

operative system: name

Laptop: date(of manufacture), name

Accessory: price component: id Memory: capacity

Sound card: name, manufacture video card: name, manufacture

cardinalities:

for Sold with it is 1 (computer) to many n(accesorries) for Mem options it is 1 (laptop) to many n (Memory components) for Installed OS it is many n(computer) to many m(Operative systems) for Installed it is many n(computer) to many m(Software) for Supports it is many n(Software) to many m (component) for options it is 1 (computer) to many n(component)

Explanation:

This EER diagram describes the computer systems at a company

Each computer can be sold with some accessories but the accessories cannot exist without the computer

also each computer must be either a desktop or a laptop
Each computer must have one operating system installed at least
and it can have some software installed (can be an operating system)
a desktop can have some components as options
software can support some of the components that a desktop has
a component can be a sound card, video card, or memory.
finally, each laptop must have a memory or more