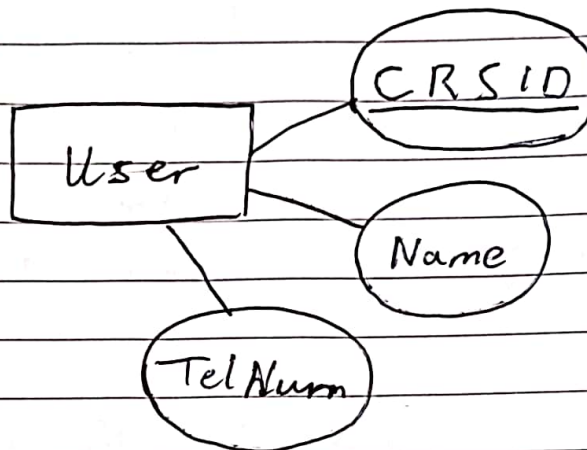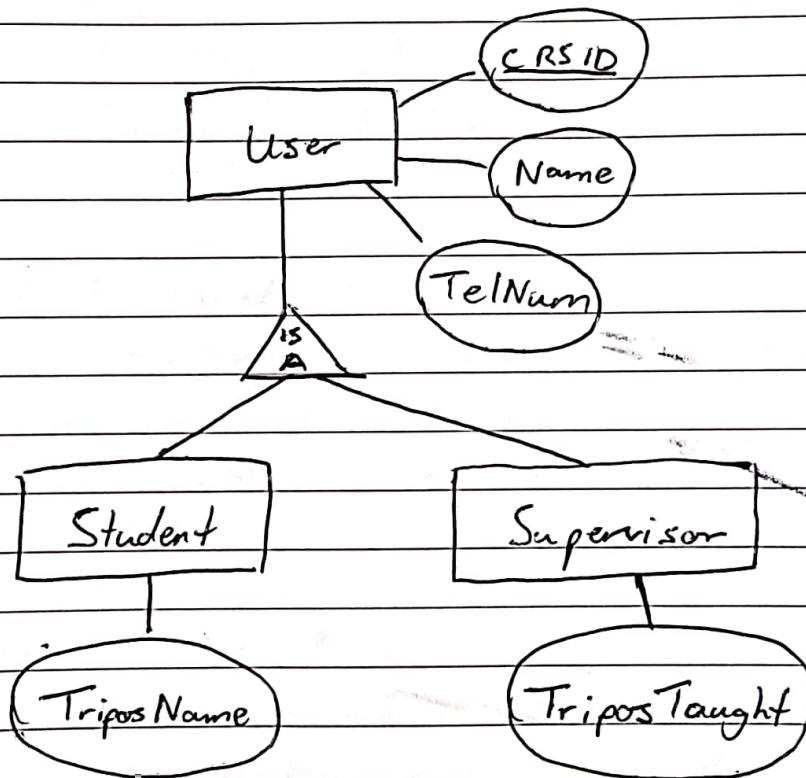Harry Langford   Hjel 2
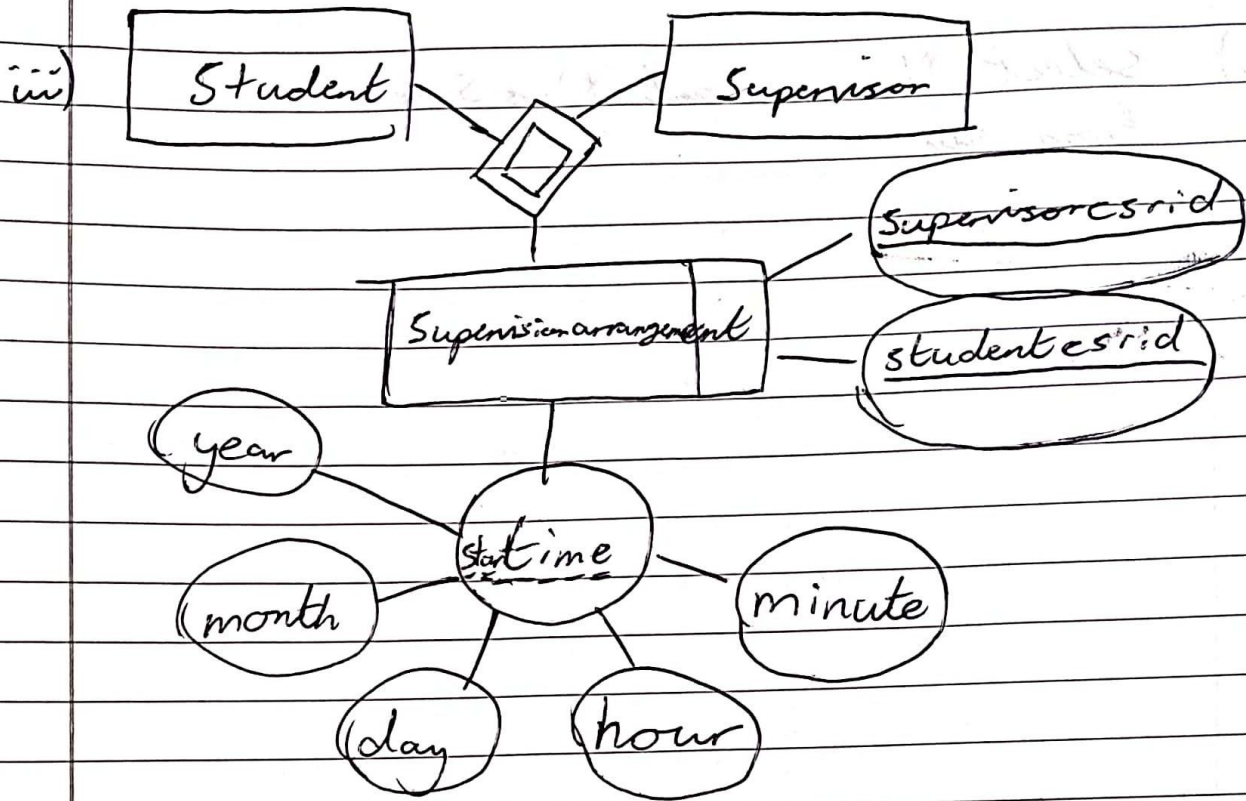
2. a) i)

ii)

We have the diamond inheritance problem and so have to disambiguate by

iii)

Student — Supervisor

Supervisionarrangement

Supervisorcsrid

studentcsrid

year

month

day

starttime

hour

minute

b)i)
```
Select count (*)
from supervisionarrangement as sva
where sva.Supervisorcsrid = sva.Studentcsrid
  group by starttime, ~~Ssri~~ Supervisorcsrid, studentcsrid;
```

iii) select cou~~n~~

ii)
```
select count (*)
from supervisionarrangement as sva
join Supervisor as sv on sv.csrid = sva.Supervisorcsrid
join Student as st on st.csrid = sva.Studentcsrid
where st.Name = sv.Name and st.csrid <> sv.csrid
  group by ~~Line~~ Starttime, supervisorcsrid, studentcsrid;
```

iii) Select sv-name as Name, count (*) as Size
from supervision arrangement as sva
join supervisor as sv on sva-supervisor csrid = sv.csrid
group by time, sv.csrid
;

iv) Select sv-name asName, count(*

Studs/total
iv) select sv-name as Name, ~~AVG(*)~~ as averagesize
order by Name
from supervisor as sv
join (select supervisor csrid, count(*)
from Supervision arrangement as sva

iv) select sv. name as Name, Stds.total/svs.total as
averagesize order by Name
from supervisor as sv
join (
    select Supervisor csrid as csrid, count(*) as total
    from supervision arrangement as sva
    group by time, supervisor csrid
) as svs on svs.csrid = sv. csrid
join (-
    select supervisor csrid as csrid, count(*) as total
    from supervision arrangement as sva
    group by time
) as stds on stds.csrid = sv.csrid
;

v) select distinct g.Name as Name1, c.Name as Name2
from supervisors as g
join supervisionarrangement as s va1 on sva1.supervisorcsrid
= g.csrid
join p-supervisors as p on p.csrid = sva1.studentcsrid
join supervisionarrangement as sva2 on sva2.supervisorcsrid
= p.csrid
join students as c on c.csrid = sva2.studentcsrid
where p.csrid <> g.csrid and p.csrid <> c.csrid
and g.csrid <> c.csrid
;