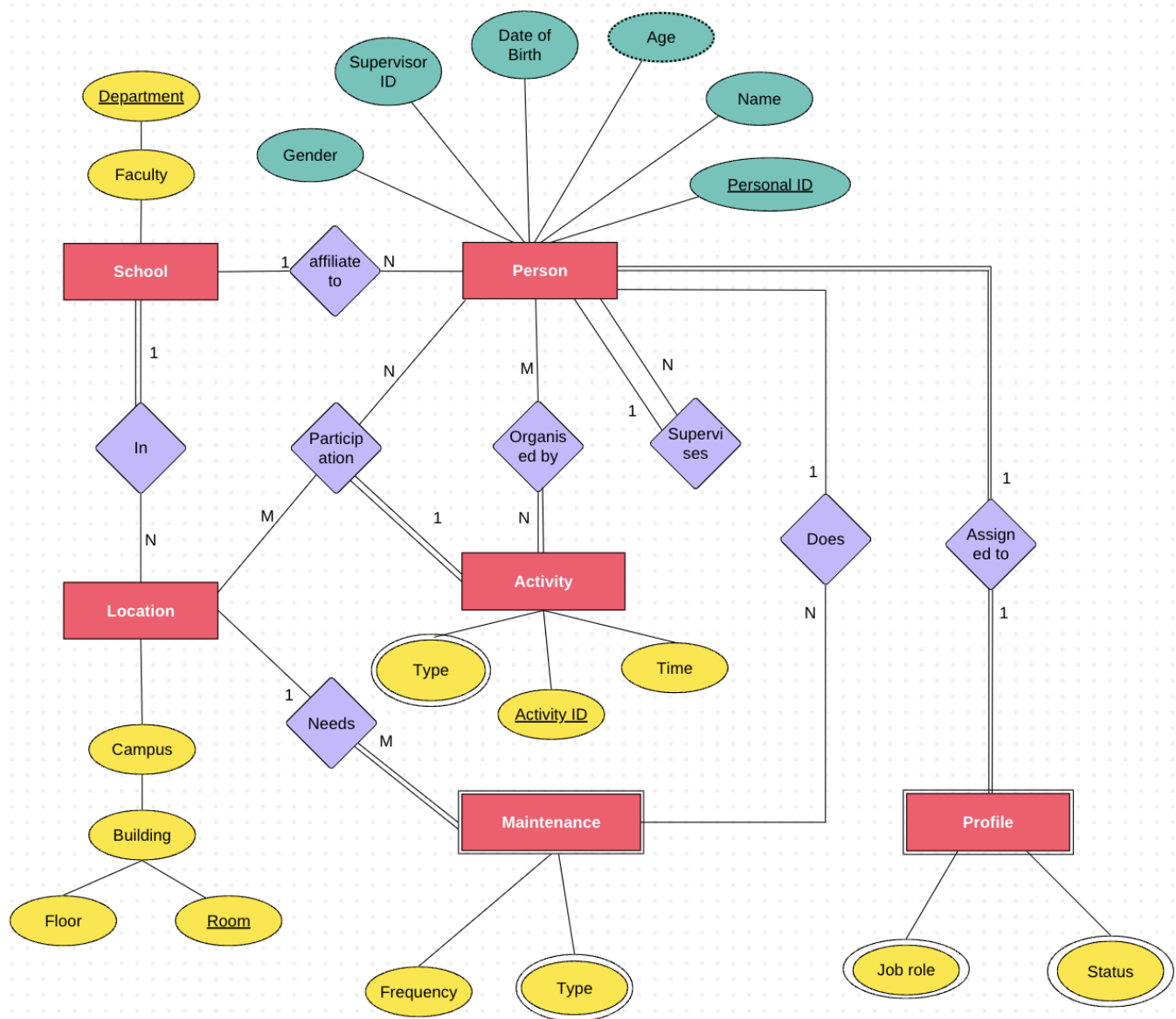
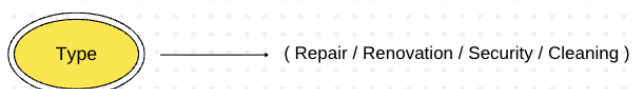


Group members:

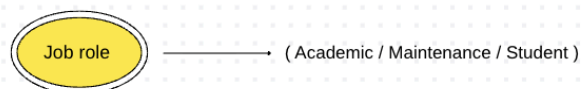
1. FA Haochen
2. JAHJA Keegan Gerrard
3. POLYIAM Nachapol
4. FITZGIBBON Patrick Aedan
5. YESSENBEK Ali



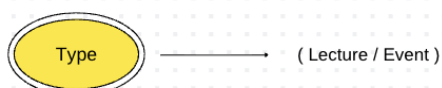
(MAINTENANCE)



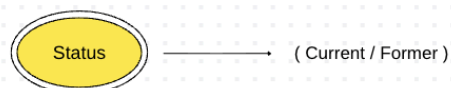
(PROFILE)



(ACTIVITY)



(PROFILE)



Person

Gender	Supervisor ID	Age	Date of Birth	Name	<u>Personal ID</u>	Job role	Status	<u>Department</u>
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School

Faculty	<u>Department</u>
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Participation

<u>Room</u>	<u>Personal ID</u>	<u>Activity ID</u>
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Activity

<u>Activity ID</u>	Type	Time
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Location

Campus	Building	Floor	<u>Room</u>	<u>Department</u>
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Maintenance

<u>Personal ID</u>	<u>Room</u>	Frequency	Type
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Organizer

<u>Personal ID</u>	<u>Activity ID</u>
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Stage	Role(s)	Tasks
1	FA, Haochen	ER Diagram Design & Auditing, R Schema Auditing; Planning
	POLYIAM, Nachapol	ER Diagram Design & Implementation, R Schema Design; Planning
	JAHJA, Keegan Gerrard	ER Diagram Implementation, R Schema Implementation; Planning
	FITZGIBBON, Patrick Aedan	ER Diagram Design & Implementation, R Schema Design; Diagram Description & Assumption
	YESSENBEK, Ali	ER Diagram Design, R Schema Design
2	FA, Haochen	Source code, Unit Test
	POLYIAM, Nachapol	Source code, Unit Test
	JAHJA, Keegan Gerrard	Unit Test, Presentation File
	FITZGIBBON, Patrick Aedan	Source code, Presentation Major Presentator
	YESSENBEK, Ali	CMMS User Guide, Video Editing & Cutting

Assumptions & Requirements

1. Every PERSON is ASSIGNED TO a PROFILE, and every PROFILE is ASSIGNED TO a PERSON.
2. One PROFILE cannot be related to more than one PERSON, and vice versa.
3. One PERSON may DO many forms of MAINTENANCE
4. However, one PERSON cannot conduct multiple forms of MAINTENANCE on the same LOCATION.
5. A MAINTENANCE entity cannot exist without NEEDING a LOCATION.
6. Many forms of MAINTENANCE may be NEEDED on one LOCATION.
7. Not all LOCATIONs need to be PARTICIPATING with an ACTIVITY.
8. Many LOCATIONs may be PARTICIPATING with one ACTIVITY.
9. Not all LOCATIONs are IN a SCHOOL.
10. Many LOCATIONs may be IN one SCHOOL.
11. Each ROOM in a LOCATION is unique, and NOT NULL.
12. Each SCHOOL has a DEPARTMENT attribute that is unique and NOT NULL.
13. All SCHOOL entities are IN a LOCATION.
14. One SCHOOL may be IN multiple LOCATIONs.
15. One SCHOOL may be AFFILIATED with many PERSONs, however not vice versa.
16. Not all SCHOOLS are AFFILIATED with a PERSON, and vice versa
17. Many PERSONs may be AFFILIATED TO a SCHOOL.
18. However, a PERSON cannot be AFFILIATED TO multiple SCHOOLS.
19. Each PERSON has a unique PERSONAL ID that is NOT NULL.
20. Some PERSONs may be SUPERVISED by another PERSON.
21. Many PERSONs can be SUPERVISED by only one PERSON.
22. Many PERSONs may PARTICIPATE in one ACTIVITY.
23. Not all PERSONs must PARTICIPATE in an ACTIVITY.
24. Many PERSONs may ORGANISE many ACTIVITYs.
25. Not all PERSONs must ORGANISE an ACTIVITY.
26. All ACTIVITYs must have a unique ACTIVITY ID that is NOT NULL.
27. All ACTIVITYs must have a LOCATION and PERSON PARTICIPATING.
28. One ACTIVITY can have many LOCATIONs and/or PERSONs.
29. All ACTIVITYs must be ORGANISED BY a PERSON.

30. Many ACTIVITYs can be ORGANISED BY many PERSONs.