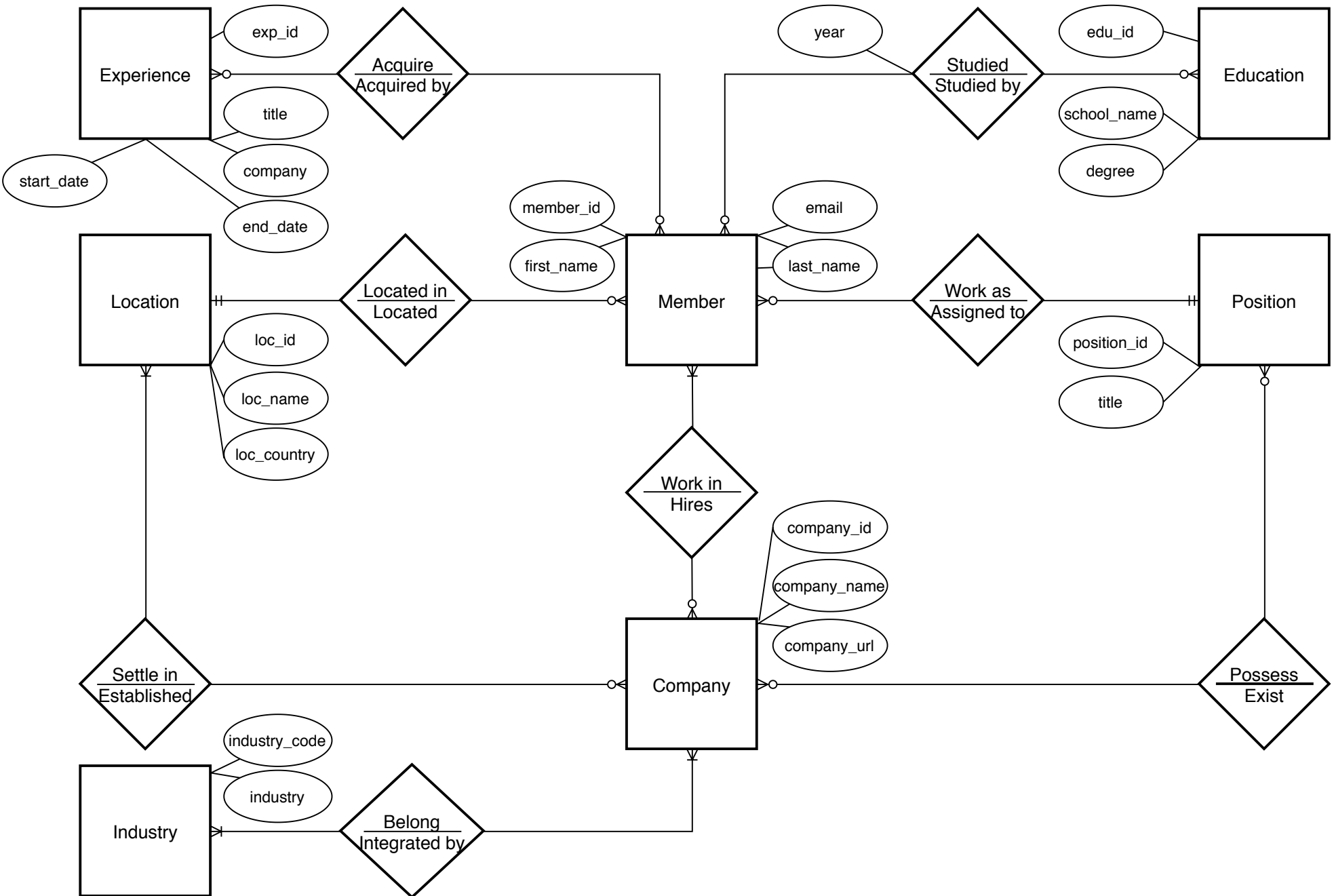


Proposed Conceptual Model of LinkedIn Member and Company Data E-R Diagram



Proposed Conceptual Model of LinkedIn Member and Company Data Assumption List

1. It was considered relational tables for Members, Companies, Education, Experience, Positions, Industries, and Location to have a complete analysis and data collection for LinkedIn members.
2. There are more attributes that could be used; however, they were not considered following the requirements for attributes.
3. Most of the cardinalities were considered one to many or zero to many; however, there were two in specific where one and only one member could be located in a location or work as certain position. More questions are needed to be asked to the client/customer in order to get the best scenario.
4. In general, there are questions that they need to be asked to get the specific criteria for entities, attributes, cardinalities, and relationships. Assumptions were made to develop the project.

Proposed Conceptual Model of LinkedIn Member and Company Data Semantic Meaning List

1. Each member acquires zero or more experiences.
2. Each experience is acquired by zero or more members.
3. Each member studied zero or more educations.
4. Each education is studied by zero or more members.
5. Each member is located in one and only one location.
6. Each location is located zero or more members.
7. Each member works as one and only one position.
8. Each position is assigned to zero or more employees.
9. Each member works in zero or more companies.
10. Each company hires one or more employees.
11. Each company settles in one or more locations.
12. Each location is established one or more companies.
13. Each company belongs to one or more industries.
14. Each industry is integrated by one or more companies.
15. Each company possesses zero or more positions.
16. Each position exists in zero or more companies.
17. Each member has a member ID.
18. Each member has a first name.
19. Each member has a last name.
20. Each member has an email.
21. Each company has a company ID.
22. Each company has a company name.
23. Each company has a company URL.
24. Each experience has an experience ID.
25. Each experience has a title.
26. Each experience has a company.
27. Each experience has a starting date.
28. Each experience has an ending date.
29. Each education has an education ID.
30. Each education has a school name.
31. Each education has a degree.
32. Each member studied an education in a specific year.
33. Each position has a position ID.
34. Each position has a title.
35. Each location has a location ID.
36. Each location has a location name.
37. Each location has a location country.
38. Each industry has a code.
39. Each industry has a name.

