

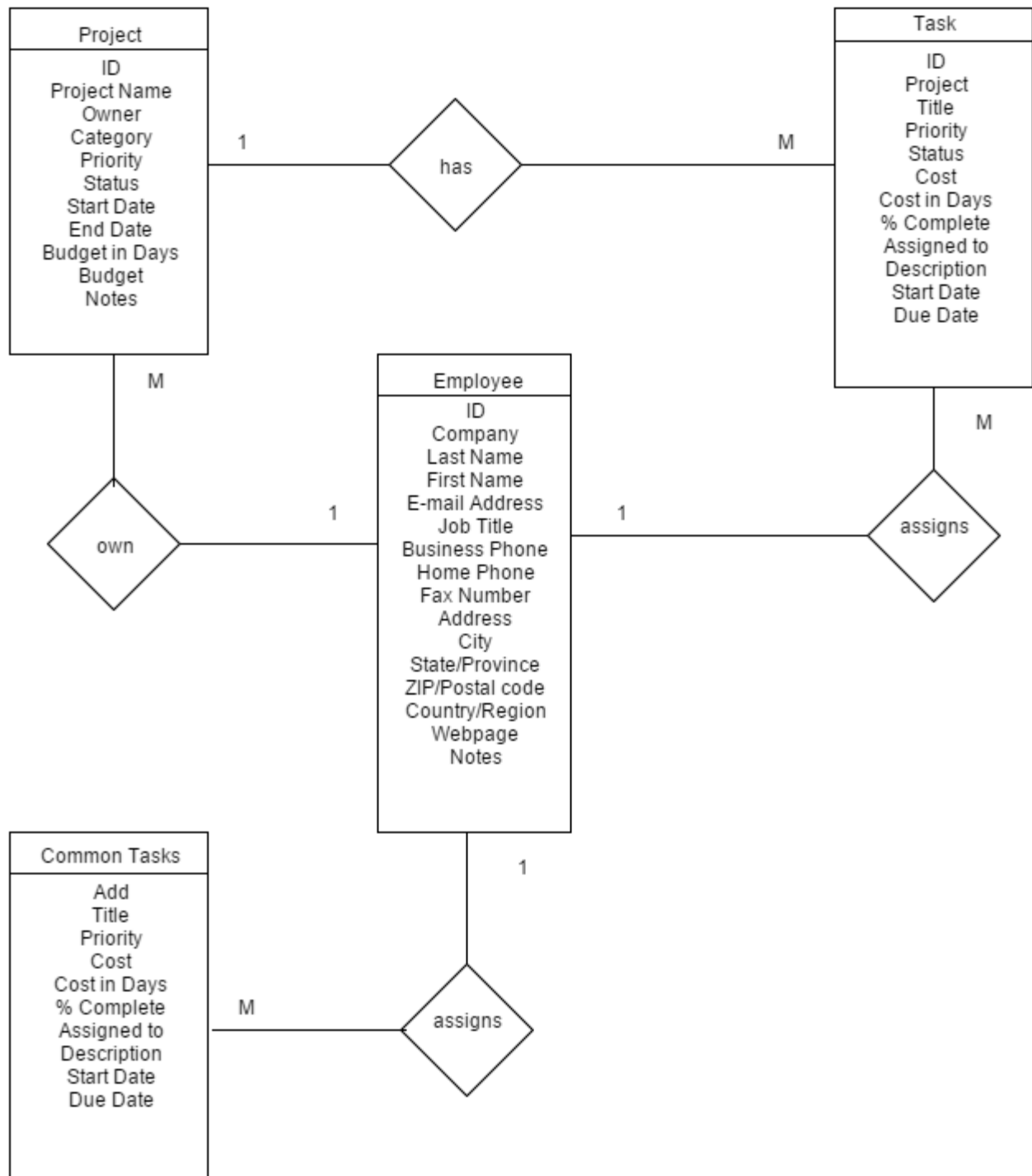
Assignment II
DATABASE DESIGN Z511
FNU ANIRUDH

QUESTION 1

Steps that are required in the development of an ER diagram:-

1. Identify, analyze, and refine the business rules.
2. Identify the main entities, using the results of Step 1.
3. Define the relationships among the entities, using the results of Steps 1 and 2.
4. Define the attributes, primary keys, and foreign keys for each of the entities.
5. Normalize the entities. (Remember that entities are implemented as tables in an RDBMS.)
6. Complete the initial ER diagram.
7. Validate the ER model against the end users' information and processing requirements.
8. Modify the ER model, using the results of Step 7.

QUESTION 2



QUESTION 3

Enumerate the Business Rule

- One project can have many tasks. Each task can only have one project.
- One task can be assigned to only one employee. One employee can be assigned many tasks.
- One employee can own many projects. One project can be owned by only one employee.
- One employee can be assigned many common tasks. One common task can be assigned to only one employee.

QUESTION 4

Purpose of Common task table

Common task adds tasks that are common to all the projects. Common task keeps list of tasks which are common to all the projects and thus saves time and man-hours. If we manually add same task to each project it will consume lot of time and man-hours. E.g.:- If we have 100 projects which have one task which is common then we need to enter same task 100 times.

REFERENCES

1. Database Systems: Design, Implementation, & Management by Rob and Coronel.