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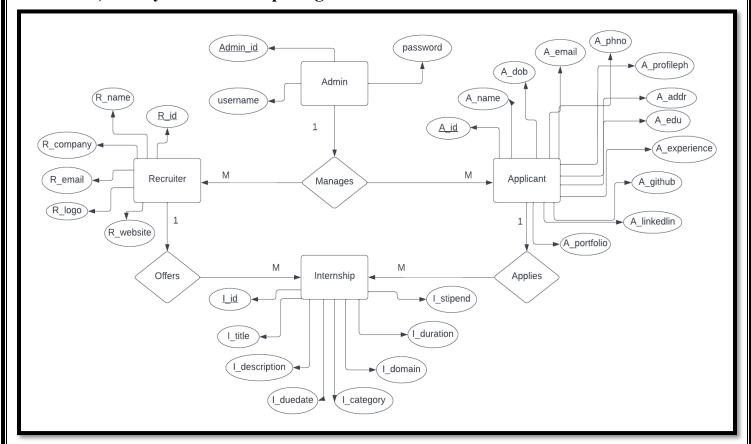
Roll No.: SYCOC303 Course Name: Project Based Learning - II

Div: C Batch: C4 Course Code: BCE4409

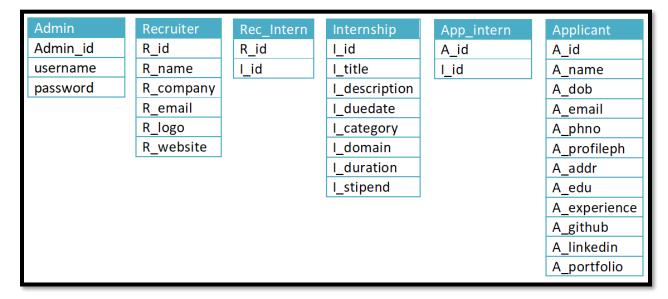
Problem Statement:

Propose a Conceptual Design using ER features using tools like ERD plus, ER Win etc. (Identifying entities, relationships between entities, attributes, keys, cardinalities, generalization, specialization etc.) Convert the ER diagram into relational tables and normalize Relational data model.

1) Entity - Relationship Diagram:



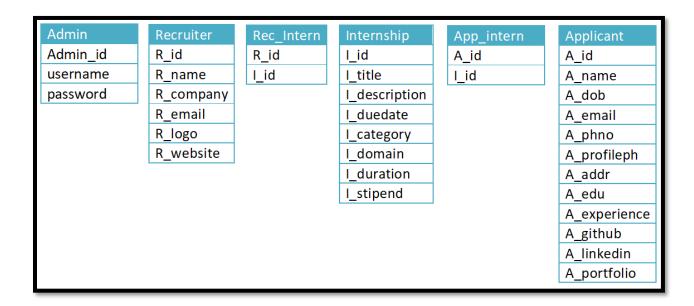
Reduction of ER Diagram into Tables:



Normalization of the Tables:

1NF:

➤ In our all tables the input value for each attribute is restricted to only single value, Hence the given table is in 1NF form.



2NF:

- > The Admin table is in 2NF.
- ➤ In the recruiter table the attributes R_logo and R_website are dependent on R_company which is again dependent on R_id. Hence here is transitive dependency which we have to remove in order to achieve the 2NF.
- > All the other tables are already in 2NF

3NF:

> Final Tables after 3NF

