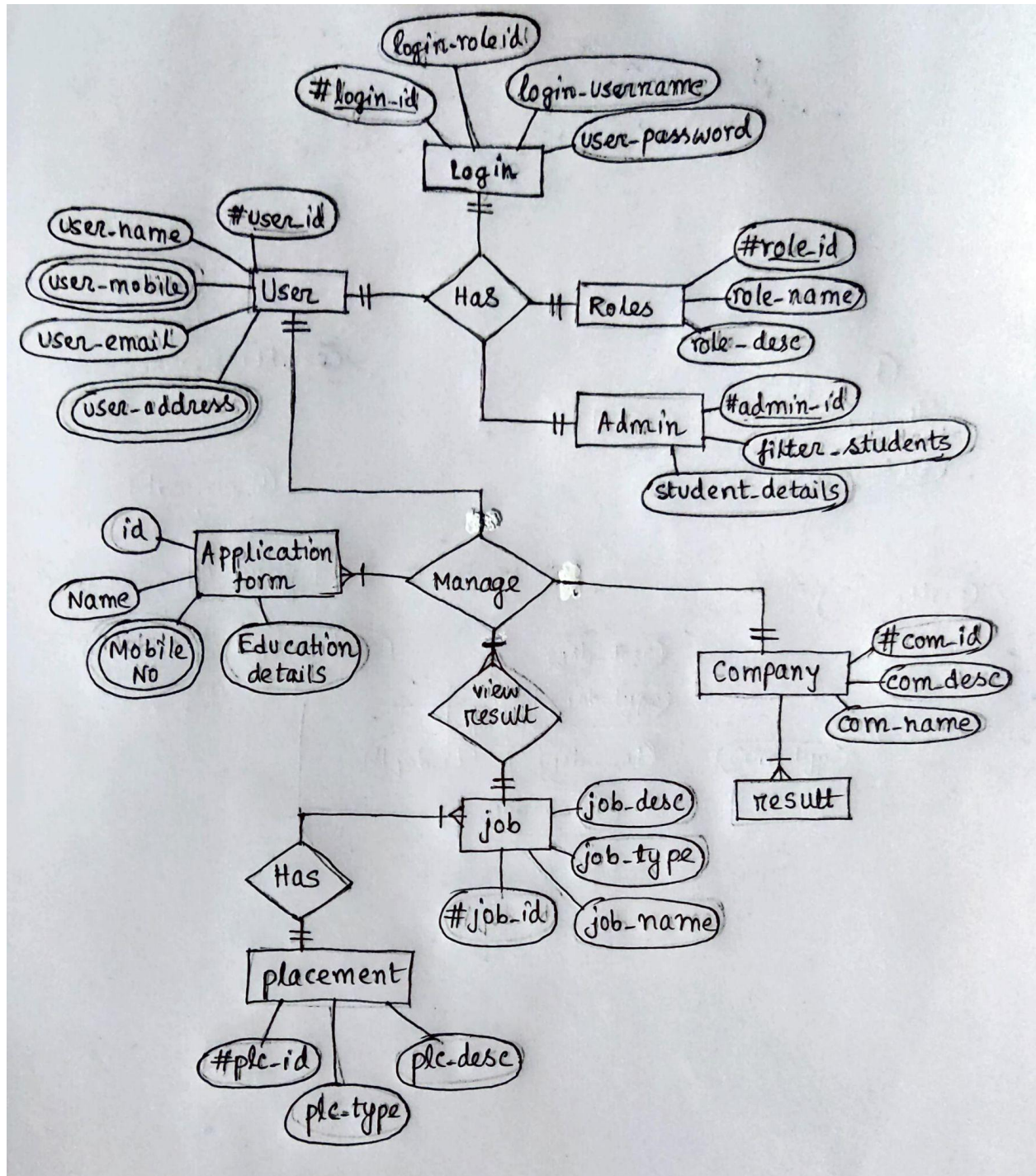


Training and Placement System

Entity Relationship Diagram



Entity Relationship Diagram (ERD)

Discussion

We have drawn the Entity Relationship Diagram for our project Training and Placement System. We have taken entities and attributes as :-

- Login
 - Username
 - Password
- User
 - User_id
 - Username
 - User_email
 - User_mobile
 - User Address
- Roles
 - Role_id
 - Role_name
 - Role_description
- Admin
 - Admin_id
 - Admin_filter_students
 - Students_details
- Company
 - Com_id
 - Com_name
 - Com_description
- Application Form
 - Id
 - Name
 - Mobile no
 - Education details
- View Result

- Job
 - Job_id
 - Job_name
 - Job_type
 - Job_description
- Placement
 - Placement_id
 - Placement_type
 - Placement_description

Through the ER diagram, we have shown what the users and different other roles can do. User has a one-to-one relationship with roles and login. Admin also have the same access including User details. Users can manage one or many application forms for the training and the same for viewing results. The company module can access user details and can publish one or many results. Also jobs have one-to-one relationships with companies and viewing results. Job has a one-to-many relationship with Placement.

So, we have learnt how to draw ERD and how to study it.

Questionnaires

1. What is the significance of ERD and the different relations shown in ERD ?

Entity relationship diagrams are used in software engineering during the planning stages of the software project. They help to identify different system elements and their relationships with each other. It is often used as the basis for data flow diagrams or DFD's as they are commonly known. To avoid ruining the data in the production database, it is important to plan out the changes carefully. By drawing ER diagrams to visualize database design ideas, we have a chance to identify the mistakes and design flaws, and to make corrections before executing the changes in the database. Basically ER Diagram helps to design databases.

The different relations shown in ERD are:

- One to One
- One to Many
- Many to One
- Many to Many



One to One



One to Many



Many to One



Many to Many