**.NET APPLICATION REPORT**

1. **DATABASE SCHEMA**

* To arrive at the Database schema, I worked on using the concepts of normalization to make sure that the integrity of data is maintained.
* The following is the schema design of the database.

**Diagram

Description automatically generated**

* The employeeId is the foreign key which depends on the Id inside the employee Table.

1. **Application**

* The application is built using C# .NET.
* The application is divided into 2 major sections:
  + EmployeeForm UI : Contains the C# .NET code for building the forms based application.
  + EmployeeApp\_BusinessLayer: Contains the core business logic to interact with the Database and retrieve the employee details. Contains contract classes ‘Employee’ and ‘Role’ to store employee information as well as roles
* The Application makes sure that the code is not tightly coupled thus ensuring that modularity of the system is maintained.