## horizontal line

CS-360



Project Report

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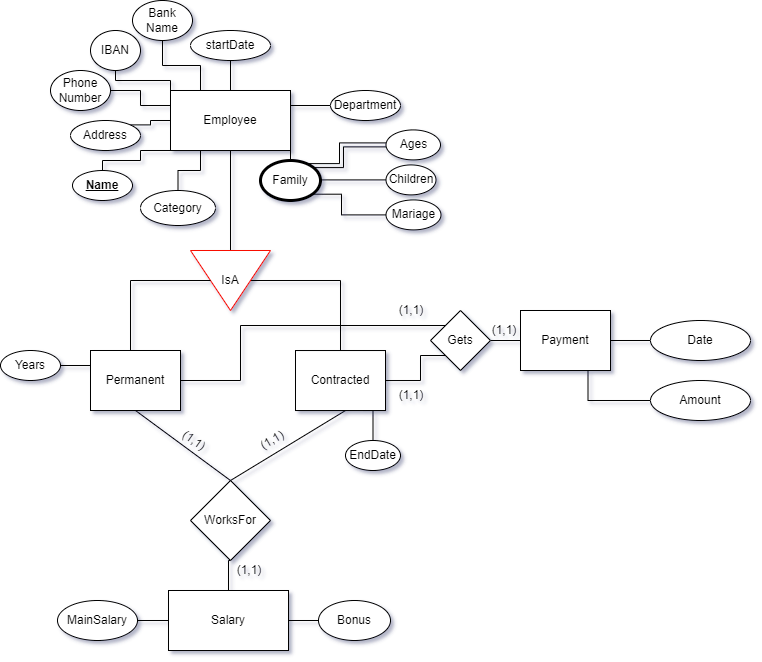
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# ER Diagram.



# Entities (Names,Types).

**Employee Attributes:**

Name (string)

Married (bool)

children (int)

Department (string)

Address (string)

Phone number (string)

IBAN (string)

Bank name (string)

Start date (date)

Type: Permanent or Contract

Years (int)

Finish date (date)

Total(double)

Main salary (double)

Family bonus (double) (Married)

Search bonus (double) (Permanent educational)

Library bonus (double) (Contract educational)

Salary:

**Payments:**

Employee name (String)

Date (string)

Amount (double)

**Methods:**

addPermanentEmployee()

addContractEmployee()

editEmployee()

setSalary()

fireEmployee()

sendPayments()

**Static methods:**

getSalaryState(staff category)

getSalaryPerCategory()

averageSalarynBonusIncreasePerTime()

printEmployeeInfo()

totalSalariesPerCategory()

# Relational Model.

**Permanent**

| **Name** | Address | Phone Number | IBAN | BankName | StartDate | SalaryID | Department | Children | Mariage | Category | Years |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Contracted**

| **Name** | Address | Phone Number | IBAN | BankName | StartDate | SalaryID | Department | Children | Mariage | Category | EndDate |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**Ages**

| **Name** | **Age** |
| --- | --- |

**Salary**

| *Name* | Bonus | MainSalary |
| --- | --- | --- |

**Payment**

| *Name* | Date | Amount |
| --- | --- | --- |

# 

# 

# Keys & Functional Dependencies.

# 3NF Without Data Loss.

# Testing & Screenshots.

# Comments.