**Restaurant ERD**

# Entities

1. Manager

* Manager id
* Manager name
* Manager address
* Phone numbers
* Email
* NIC
* Date\_of\_Birth

1. Customer

* Customer id
* Customer name
* Customer NIC
* Contact number
* email

1. Receptionist

* Receptionist id
* Receptionist name
* Receptionist address
* Receptionist numbers
* Email
* NIC

1. Chef
   * Chef id
   * Chef name
   * Chef address
   * Chef numbers
   * Email
   * NIC
2. Order

* Order id
* Order date and time

1. Bill

* Bill id
* Bill date and time

1. Ingredients

* Ingredient id
* Ingredient name
* Available quantity

1. Supplier

* Supplier number
* Supplier name
* Supplier phone
* Supplier email
* Supplier address

1. Reports

* Daily\_reports
* Monthly\_Reports
* Report\_ID

1. Recipe

* ingredients
* Recipe\_ID

# Normalization

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Manager\_ID** | First\_Name | Middle\_Name | Last\_Name | NIC\_NO | Street\_Addres | City | Date\_Of\_Birth | Email |

**Manager**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Supplier\_ID** | Email | Street\_Addres | City | name | **Manager\_ID** |

**Supplier**

|  |  |  |
| --- | --- | --- |
| **Ingredient\_ID** | Name | Quantity |

**Ingredient**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reporrt\_ID** | Daily\_Report | Monthly\_Report | **Manager\_ID** |

**Reports**

|  |  |  |  |
| --- | --- | --- | --- |
| **Order\_ID** | Date/Time | **Receptionist\_ID** | **Chef\_ID** |

**Order**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Chef\_ID** | First\_Name | Middle\_Name | Last\_Name | NIC\_NO | Street\_Addres | City | Date\_Of\_Birth | Email |

**Chef**

|  |  |
| --- | --- |
| **Recipe\_ID** | Ingredients |

**Recipe**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Receptionist\_ID** | First\_Name | Middle\_Name | Last\_Name | NIC\_NO | Street\_Addres | City | Date\_Of\_Birth | Email |

**Receptionist**

|  |  |  |
| --- | --- | --- |
| **Bill\_Id** | Date/Time | **Receptionist\_ID** |

**Bill**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Customer\_ID** | First\_Name | Middle\_Name | Last\_Name | NIC\_NO | Date\_Of\_Birth | Email | **Receptionist\_ID** |

**Customer**

|  |  |
| --- | --- |
| **Manager\_ID** | Phone\_Number |

**Manager\_Phone**

|  |  |
| --- | --- |
| **Supplier\_ID** | Phone\_Number |

**Supplier\_Phone**

|  |  |
| --- | --- |
| **Chef\_ID** | Phone\_Number |

**Chef\_Phone**

|  |  |
| --- | --- |
| **Receptionist\_ID** | Phone\_Number |

**Receptionist\_Phone**

|  |  |
| --- | --- |
| **Customer\_ID** | Phone\_Number |

**Customer\_Phone**

|  |  |
| --- | --- |
| **Supplier\_ID** | **Ingredient\_ID** |

**Supplier\_Engredients**

|  |  |
| --- | --- |
| **Report\_ID** | **Bill\_ID** |

**Reports\_Bill**

|  |  |
| --- | --- |
| **Order\_ID** | **Recipe\_ID** |

**Order\_recipe**

|  |  |
| --- | --- |
| **Ingredient\_ID** | **Recipe\_ID** |

**Ingredient\_Recipe**

# Relationships

**Ingredient\_ID**

Street\_Address

Name

Phone\_Number

Name

Address

**Supplier\_ID**

m

Ingredients

Email

City

Supplier

n

m

Quantity

supply

m

Date\_Of\_Birth

City

Date/Time

Informed by

Street\_Address

**Receptionist\_ID**

m

m

1

m

m

1

n

m

1

n

m

1

m

1

n

1

Are had by

Prepared by

add

**Chef\_ID**

First\_Name

has

Date/Time

Bill

**Bill\_ID**

pay

has

create

NIC

Recipe

**Recipe\_ID**

Ingredients

Phone\_Number

placed by

**Order\_ID**

Order

Email

**Customer\_ID**

Phone\_Number

NIC

Last\_Name

Middle\_Name

Name

First\_Name

Email

Customer

Address

Middle\_Name

Last\_Name

Street\_Address

City

Phone\_Number

Name

Email

Chef

NIC

Date\_Of\_-Birth

Email

City

Street\_Address

Address

Date\_Of\_-Birth

NIC

Last\_Name

Middle\_Name

First\_Name

Name

Receptionist

**Reporrt\_ID**

Daily\_Report

Monthly\_Report

**Manager\_ID**

Reports

Phone\_Number

Last\_Name

Middle\_Name

First\_Name

Name

Address

Manager