|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | Catering Service |  | |  |  | |
| A Database Management System  By Rutuja Kaushike (RNK170000) and Radhika Kulkarni (RXK180002)  As a semester project for Database Management System (CS6360.003) |

Modeling of Requirements as ER-Diagram:

Mapping of ERD in Relational Schema:

1. CUSTOMER

|  |  |  |  |
| --- | --- | --- | --- |
| Id | Name | Contact | Email |

* Primary Key: Id

1. STAFF

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Id | Name | Contact | Email | Type |

* Primary Key: Id

1. EVENT

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Id | People\_Count | Staff\_Count | Exp\_Duration | Actual\_Duration | Cust\_id | Address\_id | Menu\_id | Date |

* Primary Key: Id
* Foreign Key: Foreign Key (Cust\_id) references CUSTOMER (Id), Foreign Key (Address\_id) references ADDRESS (Id), Foreign Key (Menu\_id) references MENU (Id)

1. ADDRESS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id | Location | City | State | Zip | Street |

* Primary Key: Id

1. MENU

|  |  |  |  |
| --- | --- | --- | --- |
| Id | Name | Cost | Description |

* Primary Key: Id

1. ITEM

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Id | Name | Type | Category | Cost |

* Primary Key: Id

1. TYPE

|  |  |
| --- | --- |
| Type\_id | Description |

* Primary Key: Type\_id

1. ITEM\_TYPE

|  |  |
| --- | --- |
| Item\_id | Type\_id |

* Primary Key: Item\_id, Type\_id
* Foreign Key: Foreign Key (Item\_id) references ITEM (Id), Foreign Key (Type\_id) references TYPE (Id)

1. MENU\_ITEM

|  |  |  |
| --- | --- | --- |
| Menu\_id | Item\_id | Qty |

* Primary Key: Menu\_Id, Item\_id
* Foreign Key: Foreign Key (Menu\_id) references MENU(Id), Foreign Key (Item\_id) references ITEM (Id)

1. STAFF\_BOOKING

|  |  |  |  |
| --- | --- | --- | --- |
| Staff\_id | Event\_id | Pay\_rate | Hrs\_watched |

* Primary Key: Staff\_id, Event\_id
* Foreign Key: Foreign Key (Staff\_id) references STAFF(Id), Foreign Key (Event\_id) references EVENT(Id)