**CHAPTER 4: DATBASE SPECIFICATIONS:-**

4.1) Entity Relationship Diagram (ERD)

F.K

thee

Canna nan

order short

admin

customer

1 M

food

M

M

4.2) Database Design (Normalized Database):-

1. TABLES:

* **admin**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table Name** | admin | | | |
| **Description of Table** | This includes Information of Admin | | | |
| **Primary or Candidate Key of Table** | admin\_username | | | |
| **Foreign Keys of Table and Association of Tables** | - | | | |
| * Sr.no | Field Name | Datatype | Width | Constraint |
| 1 | admin\_username | varchar | 30 | Primary Key |
| 2 | admin\_name | varchar | 50 | NOT NULL |
| 3 | admin\_address | varchar | 80 | NOT NULL |
| 4 | admin\_phoneno | varchar | 10 | NOT NULL |
| 5 | admin\_password | varchar | 20 | NOT NULL |

* **customer**

|  |  |
| --- | --- |
| **Table Name** | customer |
| **Description of Table** | This includes Information of Customer |
| **Primary or Candidate Key of Table** | cust\_username |
| **Foreign Keys of Table and Association of Tables** | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint |
| 1 | cust\_username | varchar | 30 | Primary Key |
| 2 | cust\_name | varchar | 50 | NOT NULL |
| 3 | emailid | varchar | 30 | NOT NULL |
| 4 | cust\_address | varchar | 80 | NOT NULL |
| 5 | cust\_phoneno | varchar | 10 | NOT NULL |
| 6 | cust\_password | varchar | 30 | NOT NULL |

* food

|  |  |
| --- | --- |
| **Table Name** | food |
| **Description of Table** | This includes Information of food the Admin is giving . |
| **Primary or Candidate Key of Table** | f\_id |
| **Foreign Keys of Table and Association of Tables** | - |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint |
| 1 | f\_id | int | 11 | Primary Key |
| 2 | f\_name | varchar | 35 | NOT NULL |
| 3 | f\_rate | int | 11 | NOT NULL |
| 4 | f\_type | varchar | 30 | NOT NULL |
| 5 | f\_img\_src | varchar | 35 | NOT NULL |
| 6 | f\_description | varchar | 100 | NOT NULL |

* order\_short

|  |  |
| --- | --- |
| **Table Name** | admin |
| **Description of Table** | This includes Information of Orders given by customer |
| **Primary or Candidate Key of Table** | order\_id |
| **Foreign Keys of Table and Association of Tables** | cust\_username From customer table. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint |
| 1 | order\_id | int | 11 | Primary Key |
| 2 | delivery\_address | varchar | 80 | NOT NULL |
| 3 | o\_date | date |  | NOT NULL |
| 4 | total | int | 11 | NOT NULL |
| 5 | cust\_username | Varchar | 30 | Foreign Key |

* order\_details

|  |  |
| --- | --- |
| **Table Name** | order\_details |
| **Description of Table** | This includes Information of Orders details and order with there respective Foods. |
| **Primary or Candidate Key of Table** | - |
| **Foreign Keys of Table and Association of Tables** | order\_id From order\_short table.  f\_id From food table. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint |
| 1 | order\_id | int | 11 | Foreign key |
| 2 | f\_id | int | 11 | Foreign key |
| 3 | quantity | int | 11 | NOT NULL |
| 4 | amt | int | 11 | NOT NULL |

4.3)Data Dictionary:-

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint | Description |
| 1 | admin\_address | varchar | 80 | NOT NULL | No Reference |
| 2 | admin\_name | varchar | 50 | NOT NULL | No Reference |
| 3 | admin\_password | varchar | 20 | NOT NULL | No Reference |
| 4 | admin\_phoneno | varchar | 10 | NOT NULL | No Reference |
| 5 | admin\_username | varchar | 30 | Primary Key | Primary key in admin table.  No Reference |
| 6 | amt | int | 11 | NOT NULL | No Reference |
| 7 | cust\_address | varchar | 80 | NOT NULL | No Reference |
| 8 | cust\_name | varchar | 50 | NOT NULL | No Reference |
| 9 | cust\_password | varchar | 30 | NOT NULL | No Reference |
| 10 | cust\_phoneno | varchar | 10 | NOT NULL | No Reference |
| 11 | cust\_username | varchar | 30 | Primary Key | Primary key in customer table.  Reference to order\_short table. |
| 12 | delivery\_address | varchar | 80 | NOT NULL | No Reference |
| 13 | emailid | varchar | 30 | NOT NULL | No Reference |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint | Description |
| 14 | f\_description | varchar | 100 | NOT NULL | No Reference |
| 15 | f\_id | int | 11 | Primary Key | Primary key in food table.  Reference to order\_details table. |
| 16 | f\_img\_src | varchar | 35 | NOT NULL | No Reference |
| 17 | f\_name | varchar | 35 | NOT NULL | No Reference |
| 18 | f\_type | varchar | 30 | NOT NULL | No Reference |
| 19 | f\_rate | int | 11 | NOT NULL | No Reference |
| 20 | order\_id | int | 11 | Primary Key | Primary key in order\_short table. Reference to order\_details table. |
| 21 | o\_date | date |  | NOT NULL | No Reference |
| 22 | quantity | int | 11 | NOT NULL | No Reference |
| 23 | total | int | 11 | NOT NULL | No Reference |