**CHAPTER 4: DATBASE SPECIFICATIONS:-**

4.2) Database Design (Normalized Database):

1. TABLES:

* admin

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 |

* product

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

* order\_short

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 |

* order\_details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint |
| 1 | quantity | decimal | 7,3 | NOT NULL |
| 2 | amt | int | 11 | NOT NULL |

1. RELATION:
   1. customer, order\_short (1-M)

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

* 1. order\_short, product (M-M) order\_details

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr.no | Field Name | Datatype | Width | Constraint |
| 1 | order\_id | int | 11 | Foreign Key |
| 2 | p\_id | Int | 11 | Foreign Key |
| 3 | quantity | decimal | 7,3 | NOT NULL |
| 4 | amt | int | 11 | NOT NULL |