### TABLE DESIGN

#### **1.tbl\_register**

Primary key: **user\_id**

Foreign key: **login\_id** references table **tbl\_login**

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| --- | --- | --- | --- | --- |
| **No:** | **Fieldname** | **Datatype (Size)(Size)** | **Key Constraints** | **Description of the field** |
| 1 | user\_id | int(11) | Primary Key,  Auto increment | Unique User Identifier |
| 2 | username | varchar(100) | Not Null | User's Username |
| 3 | first\_name | varchar(100) | Not Null | User's First Name |
| 4 | last\_name | varchar(100) | Not Null | User's Last Name |
| 5 | email | varchar(100) | Not Null | User's Email Address |
| 6 | phone\_no | varchar(12) | Not Null | User's Phone Number |
| 7 | user\_type | PositiveSmallIntegerField | Not Null | User Type (e.g., User, Admin) |
| 8 | login\_ status | boolean | Not null | User status |
| 9 | date\_joined | datetime | Not null | Date Joined |

**2.Tbl\_users\_login**

Primary key: **loginid**

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| --- | --- | --- | --- | --- |
| **No:** | **Fieldname** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | user\_id | int | Foreign Key, Auto increment | Unique User Identifier |
| 2 | username | varchar(20) | Not Null, Unique | User's Username |
| 3 | password | varchar(20) | Not Null | User’s Password |
| 4 | user\_type | PositiveSmallIntegerField | Not Null | User Type (e.g., User, Admin, Merchant, Agent) |
| 5 | login\_ status | boolean | Not null | User status |

#### **3.tbl\_user\_profile**

Primary key: **profile\_id**

Foreign key:**user\_id** references table **tbl\_reg**

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| --- | --- | --- | --- | --- |
| **No:** | **Fieldname** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | profile\_id | int(11) | Primary Key | Unique User Identifier |
| 2 | user\_id | int(11) | Foreign Key | References table tbl\_reg |
| 3 | First\_name | varchar(100) | Foreign Key | References table tbl\_reg |
| 4 | Last\_name | varchar(100) | Foreign Key | References table tbl\_reg |
| 5 | Email | varchar(100) | Foreign Key | References table tbl\_reg |
| 6 | phone\_no | varchar(12) | Foreign Key | References table tbl\_reg |
| 7 | Country | varchar(100) | Not Null | User County |
| 9 | State | varchar(100) | Not Null | User State |
| 10 | City | varchar(100) | Not Null | User City |
| 11 | Pin\_code | varchar(100) | Not Null | User Pin code |
| 12 | Profile\_photo | file field | Not Null | Path to the image |

#### **4.tbl\_product**

Primary key: **product\_id**

Foreign key: **user\_id** references table **tbl\_reg**

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| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | product\_id | int(11) | Primary Key | Unique product ID |
| 2 | user\_id | int(11) | Foreign Key | References table tbl\_reg |
| 3 | brand\_name | varchar(100) | Not Null | Name of the product |
| 4 | Category | varchar(100) | Not Null | Category of the product |
| 5 | subcategory | varchar(100) | Not Null | Subcategory of the product |
| 6 | product\_description | varchar(100) | Not Null | Description of the product |
| 7 | material\_description | textfield(200) | Not Null | Material description of the product |
| 8 | Male | boolean | Not Null | Boolean indicating whether the product is for males |
| 9 | Female | boolean | Not Null | Boolean indicating whether the product is for females |
| 10 | Thumbnail | file field | Not Null | FileField for storing the thumbnail image of the product |
| 11 | stock\_for\_child\_1\_3 | positive integer | Not Null | Quantity in stock for child sizes (1-3 years) |
| 12 | stock\_4\_8 | positive integer | Not Null | Quantity in stock for child sizes (4-8 years) |
| 13 | stock\_9\_12 | positive integer | Not Null | Quantity in stock for child sizes (9-12 years) |
| 14 | total\_stock | positive integer | Not Null | Total stock calculated as the sum of individual stock fields |
| 15 | Price | decimal | Not Null | Price of the product |
| 16 | price\_16\_19 | decimal | Not Null | Price of the product for age range 16-19 years |

#### **5.tbl\_image**

Primary key: **image\_id**

Foreign key: **product\_id** references table **tbl\_product**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | image\_id | int(11) | Primary Key | Unique product image ID |
| 2 | product\_id | int(11) | Foreign Key | References table tbl\_product |
| 3 | Images | Image field | Not Null | Image Field for storing the image |

#### **6.tbl\_wishlist**

Primary key: **wishlist\_id**

Foreign key: **product\_id** references table **tbl\_product and user\_id** references table **tbl\_reg**

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| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | wishlist\_id | int(11) | Primary Key | Unique identifier for each wishlist item |
| 2 | product\_id | int(11) | Foreign Key | References table tbl\_product |
| 3 | user\_id | int(11) | Foreign Key | References table tbl\_reg |

#### **7.tbl\_cart**

Primary key: **cart\_id**

Foreign key: **product\_id** references table **tbl\_product and user\_id** references table **tbl\_reg**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | cart\_id | int(11) | Primary Key | Unique identifier for each cart item |
| 2 | product\_id | int(11) | Foreign Key | References table tbl\_product |
| 3 | user\_id | int(11) | Foreign Key | References table tbl\_reg |
| 4 | Quantity | positive integer | Not Null | Quantity of the product in the shopping cart |
| 5 | Size | positive integer | Not Null | Size of the product in the shopping cart |

#### **8.tbl\_stock**

Primary key: **stock\_id**

Foreign key: **product\_id** references table **tbl\_product**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | stock\_id | int(11) | Primary Key | Unique identifier for each stock item |
| 2 | product\_id | int(11) | Foreign Key | Reference to the product for which the size stock is being tracked |
| 3 | Size | positive integer | Not Null | Size for which the stock quantity is being tracked |
| 4 | stock\_quantity | int(11) | Not Null | Quantity of stock available for the specified size |

#### **9.tbl\_shipping\_address**

Primary key: **shipping\_id**

Foreign key: **user\_id** references table **tbl\_reg**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | shipping\_id | int(11) | Primary Key | Unique shipping ID |
| 2 | Name | varchar(100) | Not Null | Name associated with the shipping address |
| 3 | Email | varchar(100) | Not Null | Email address associated with the shipping address |
| 4 | phone\_no | varchar(12) | Not Null | Primary phone number for the shipping address |
| 5 | phone\_no2 | varchar(12) | Not Null | Secondary phone number for the shipping address |
| 6 | Address | textfield(200) | Foreign Key | Detailed address information |
| 7 | Country | varchar(100) | Not Null | Country of the shipping address |
| 8 | State | varchar(100) | Not Null | State of the shipping address |
| 9 | City | varchar(100) | Not Null | District of the shipping address |
| 10 | Pin\_code | varchar(100) | Not Null | PIN code of the shipping address |
| 11 | Land | varchar(100) | Not Null | Landmark information for the shipping address |
| 12 | user\_id | int(11) | Foreign Key | References table tbl\_reg |

#### **10.tbl\_payment**

Primary key: **payment\_id**

Foreign key: **user\_id** references table **tbl\_register and product\_id** references table **tbl\_product**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | payment\_id | int(11) | Primary Key | Unique product ID |
| 2 | user\_id | int(11) | Foreign Key | References table tbl\_register |
| 3 | product\_id | int(11) | Foreign Key | References table tbl\_product |
| 4 | total\_amount | decimal | Not Null | Total amount for the order |
| 5 | payment\_status | boolean | Not Null | Status indicating whether the payment for the order is completed or not |
| 6 | created\_at | date time field | Not Null | Date and time when the order was created |

#### **11.tbl\_order**

Primary key: **order\_id**

Foreign key: **payment\_id** references table **tbl\_payment, product\_id** references table **tbl\_product** and **user\_id** references table **tbl\_register**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | order\_id | int(11) | Primary Key | Unique order ID |
| 2 | payment\_id | int(11) | Foreign Key | References table tbl\_payment |
| 3 | product\_id | int(11) | Foreign Key | References table tbl\_product |
| 4 | Quantity | int(11) | Not Null | Quantity of the product in the order item |
| 5 | item\_total | decimal | Not Null | Total cost for the order item |
| 6 | Size | positive integer | Not Null | Size of the product in the order item |
| 7 | user\_id | int | Foreign Key | References table tbl\_reg |

#### **12.tbl\_feedback**

Primary key: **rating\_id**

Foreign key: **order\_id** references table **tbl\_order and user\_id** and references table **tbl\_register**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1. | rating\_id | int(10) | Primary key,  Auto increment | Rating Id |
| 2. | order\_id | int(10) | Foreign key | References table tbl\_order |
| 3. | Rating | int(5) | Not Null | Rating of the service |
| 4. | Review | varchar(300) | Not Null | Review of the service |
| 5. | user\_id | int(11) | Foreign key | Unique User Identifier |

#### **13.tbl\_agent**

Primary key: **agent\_id**

Foreign key: **order\_id** references table **tbl\_order** and **Address** references table **shipping\_address**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1. | agent\_id | int(10) | Primary key | Unique agent\_id |
| 2. | stock\_id | int(10) | Foreign key | References table tbl\_stock |
| 3. | delivery\_id | int(10) | Foreign key | References table tbl\_ delivery\_id |
| 4. | Name | varchar(100) | Not Null | Name of agent |
| 5. | Address | varchar(100) | Not Null | Address of agent |

#### **14.tbl\_delivery**

Primary key: **delivery\_id**

Foreign key: **order\_id** references table **tbl\_order** and **Address** references table **shipping\_address**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1. | devivery\_id | int | Primary key,  Auto increment | Delivery\_id |
| 2. | order\_id | int | Foreign key | References table tbl\_order |
| 3. | Name | varchar(100) | Foreign key | Name of customer |
| 4. | Address | int | Foreign key | Address of customer |
| 5. | phone\_no | varchar(12) | Foreign key | Phone number of customer |
| 6. | Country | varchar(100) | Foreign key | Country of the delivery address |
| 7. | State | varchar(100) | Foreign key | State of the delivery address |
| 8. | City | varchar(100) | Foreign key | District of the delivery address |
| 9. | Pin\_code | varchar(100) | Foreign key | PIN code of the delivery address |
| 10. | Land | varchar(100) | Foreign key | Landmark information for the delivery address |
| 11. | user\_id | int | Foreign key | Unique User Identifier |