**TABLE DESIGN**

## Registration Table

## Primary Key: User\_Id

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| --- | --- | --- | --- |
| **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| User\_Id | Int | PK | Id for Registration |
| User\_Type | String | NN | Type of User |
| User\_name | Unique | NN | Name of user |
| User\_Password | Password | NN | Users Password |
| User\_FirstName | String | NN | User First Name |
| User\_Last Name | String | NN | Users Last name |
| User\_Email | String | NN | Users Email ID |
| User\_Phone | Number | NN | Users Phone no |
| User\_Password | Password | NN | Confirm Password |

1. **User Login Table**

## Primary Key: User\_Id

Foreign Key: User\_Email references User\_Table

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| **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| User\_ID | Int | PK | User ID |
| User\_Email | Unique | FK | Email ID for Login |
| User\_Password | Password | NN | Login Password |

## Project Data Table

## Primary Key: ProjectData\_Id

## Foreign Key: Client\_Id references User\_table

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| **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| ProjectData\_ID | Int | PK | ID of Project Data |
| Client ID | Int | FK | ID of the Client |
| Project\_No of Floors | Int | NN | No of Floors |
| Project\_Work Area Required | Boolean | NN | Work Area |
| Project\_Store Room Required | Boolean | NN | Store Room |
| Project\_Dining Required | Boolean | NN | Dining Room |
| Project\_Kitchen Type | Text | NN | Kitchen Type |
| Project\_Additional Amenities | Text | NN | Additional Amenities |

1. **Floor Details Table**

## Primary Key: ProjectID\_Id

## Foreign Key: Client\_Id references User\_table

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| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Client ID | Int | PK | ID of the Client |
| 2 | Floor number | Int | NN | Floor Number |
| 3 | No of Bedrooms | Int | NN | No of Bedrooms |
| 4 | No of Bathrooms | Int | NN | No of Bathrooms |
| 5 | Project ID | Int | FK | ID of the Project |

1. **Plot Images Table**

Primary Key: Plot Image ID

Foreign Key: Plot\_ID references Plot Data\_table

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| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | Plot Image\_ID | Int | PK | Id of Plot Image |
| 2 | Plot\_Images | ImageField | NN | Image of the Plot |
| 3 | Plot\_ID | Int | FK | ID of the Plot |

1. **Plot Data Table**

Primary Key: Plot Base Data \_Id

Foreign Key: Project Data\_Id references Project Data table

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| **No:** | **Field name** | **Datatype (Size)** | **Key Constraints** | **Description of the field** |
| 1 | User ID | Int | FK | ID of Client |
| 2 | Plot Base Data\_ID | Int | PK | ID of Plot Data |
| 3 | Plot User\_ID | Int | FK | ID of Plot User |
| 4 | Project Data\_ID | Int | FK | Project Data ID |
| 5 | Contractor ID | Int | FK | Contractor ID |
| 6 | Engineer ID | Int | FK | Engineer ID |
| 7 | Payment is Done | Boolean | NN | Payment Done |
| 8 | Payment Request | Boolean | NN | Payment Request |
| 9 | Plan Fee | Int | NN | Fee of the plan |

#### **Main Project Table**

#### **Product Table**

Primary key: **product\_id**

Foreign key: **user\_id** references table **Registration Table**

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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 | product\_description | varchar(100) | Not Null | Description of the product |
| 6 | material\_description | textfield(200) | Not Null | Material description of the product |
| 7 | Thumbnail | file field | Not Null | FileField for storing the thumbnail image of the product |
| 8 | Price | decimal | Not Null | Price of the product |

1. **Product Image Table**

Primary key: **image\_id**

Foreign key: **product\_id** references table **Product table**

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| --- | --- | --- | --- | --- |
| **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 |

1. **Wishlist Table**

Primary key: **wishlist\_id**

Foreign key: **product\_id** references table **product table user\_id** references table **Registration table**

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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 |

#### **Cart table**

Primary key: **cart\_id**

Foreign key: **product\_id** references table **product table and**

**user\_id** references table **registration table**

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| --- | --- | --- | --- | --- |
| **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 **product table** |
| 3 | user\_id | int(11) | Foreign Key | References **registration table** |
| 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 |

#### **Stock table**

Primary key: **stock\_id**

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

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| --- | --- | --- | --- | --- |
| **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 |

#### **Shipping address table**

Primary key: **shipping\_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 | 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 | Landmark | varchar(100) | Not Null | Landmark information for the shipping address |
| 12 | user\_id | int(11) | Foreign Key | References table tbl\_reg |

#### **Payments table**

Primary key: **payment\_id**

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

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| --- | --- | --- | --- | --- |
| **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\_reg |
| 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 |

#### **Order table**

Primary key: **order\_id**

Foreign key: **payment\_id** references table **payments table** and **product\_id** references table **product table**

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| --- | --- | --- | --- | --- |
| **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 |

#### **Delivery table**

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. | delivery\_id | int(10) | Primary key | Delivery\_id |
| 2. | order\_id | int(10) | Foreign key | References table tbl\_order |
| 3. | Name | varchar(100) | Foreign key | Name of customer |
| 4. | Address | int(5) | 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 |

1. **Worker Details table**

Primary key: **worker\_id**

Foreign key: **user\_id** references table **registration table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| NO | FIELD NAME | DATA TYPE | KEY CONSTRAINT | DESCRIPTION OF THE FIELD |
| 1. | Worker\_id | Int(10) | Primary key, Auto increment | Worker id |
| 2. | User\_Id | Int(10) | Foreign key | User Id of worker |
| 4. | DOB | Date | Not Null | Date of birth |
| 5. | Job\_role | Varchar(20) | Not Null | Type of jobs which worker knows |
| 6. | Date of joining | Date | Not Null | Date of joining company |
| 8. | Phone no | Int(10) | Not Null,Unique | Phone number |
| 8. | State | Varchar(20) | Not Null | State |
| 9. | District | Varchar(20) | Not Null | District |
| 10. | Pincode | Int(10) | Not Null | Pincode |