**ONLINE SHOAP FOR VINTAGE BIKE SPARES**

**DATABASE DESIGN**

**USER TABLE (used to store user details)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| user\_id | INTEGER | PRIMARY KEY | unique user id |
| user\_name | TEXT | NOT NULL | user name |
| user\_password | TEXT | NOT NULL | password for login |
| user\_email | TEXT | NOT NULL | user email |
| user\_type | TEXT | NOT NULL | user type, admin/end user |
| user\_address | TEXT | NOT NULL | user address |

**PRODUCT TABLE(used to store product details)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| product\_id | INTEGER | PRIMARY KEY | unique product id for each individual product |
| product\_type | TEXT | NOT NULL | type of the product |
| product\_category | TEXT | NOT NULL | category of product based on the type |
| product\_subcategory | TEXT |  | detailed description of the product |
| Product\_name | TEXT | NOT NULL | Name of the product |
| product\_brand | TEXT | NOT NULL | Brand of the product |
| product\_quantity | INTEGER | NOT NULL | Number of availability of particular product |
| product\_price | INTEGER | NOT NULL | Price of individual product |
| product\_rating | INTEGER | NOT NULL | Rating of product given by the user |

**CART TABLE(used to store product detials in cart)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| user\_id | INTEGER | FORIGEN\_KEY | user id reference from user table |
| product\_id | INTEGER | PRIMARY KEY | product id of added products in the cart |
| quantity | INTEGER | NOT NULL | number of items in the cart |
| amount | INTEGER | NOT NULL | total amount of items in the cart |

**PAYMENT TABLE(used to store payment details of user)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| payment\_id | INTEGER | PRIMARY KEY | unique id for individual payment |
| user\_id | INTEGER | FORIGEN KEY | user id for the user who make payment, referenced from user table |
| product\_id | INTEGER | FORIGEN KEY | product id for the purchased product, referenced from product table |
| quantity | INTEGER | NOT NULL | number of product purchased |
| price | INTEGER | NOT NULL | amount to be paid |
| payment\_type | TEXT | NOT NULL | kind of payments, online or COD |
| payment\_status | TEXT | NOT NULL | status of payment |
| payment\_details | TEXT | NOT NULL | detailed description of payment |

**ORDER TABLE(used to store users order details)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| order\_id | INTEGER | NOT NULL | ID for order |
| user\_id | INTEGER | FORIGEN KEY | user id for the user who order the product, referenced from user table |
| product\_id | INTEGER | FORIGEN KEY | product id for individual product ordered by the user |
| order\_status | TEXT | NOT NULL | status of the order placed by the user |
| payment\_staus | TEXT | NOT NULL | payment status of each order |
| rating | INTEGER |  | ratings of product given by the user |
| payment\_type | TEXT | NOT NULL | mode of payment |

**SHIPPMENT TABLE(used to store shippment details of oreder)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| user\_id | INTEGER | FORIGEN KEY | user id |
| product\_id | INTEGER | FORIGEN KEY | product id |
| shipping\_address | TEXT | NOT NULL | description of shipping address |
| shipping\_charge | INTEGER |  | amount to be paid for shipping |
| shipping\_status | TEXT | NOT NULL | status of shippment |
| track | TEXT |  | shippment current location |
| shipping\_date | DATE | NOT NULL | date of shipping |
| arrival\_date | DATE | NOT NULL | excepeted arrival date |