**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 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| id | INTEGER | NOT NULL | ID for address |
| user\_id | INTEGER | FORIGEN KEY | user id for the user who order the product, referenced from user table |
| fname | TEXT | NOT NULL | user firstname |
| lname | TEXT | NOT NULL | user last name |
| hm\_name | TEXT | NOT NULL | user home/ office |
| address1 | TEXT | NOT NULL | user address1 |
| address2 | TEXT | NOT NULL | user address2 |
| pincode | INTEGER | NOT NULL | pincode for the address |
| mobile | INTEGER | NOT NULL | mobile number of the user |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| 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 |
| address\_id | INTEGER | FORIGEN KEY | address id for each of the order |
| amount | INTEGER | NOT NULL | total amount of order |
| payment\_method | TEXT | NOT NULL | mode of payment |
| status | TEXT | NOT NULL | status of order |
| created | DATE | NOT NULL | orderd date |
| updated | DATE | NOT NULL | last updated date of order |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Field Name** | **Datatype** | **Constraint** | **Description** |
| id | INTEGER | NOT NULL | order details id |
| order\_id | INTEGER | FORIGEN KEY | order id for individual order |
| product\_id | INTEGER | FORIGEN KEY | product id for individual product |
| quanatity | INTEGER | NOT NULL | quantity |
| price | INTEGER | NOT NULL | total amount |