user\_account ( **id,** first\_name, last\_name, password, user\_type, email, billing\_address, shipping\_address )

product (**id**, product\_name, price, description, brand\_id, listed )

brand ( **id**, brand\_name )

category ( **id**, category\_name, parent\_id )

product\_category ( **category\_id**, **product\_id** )

cart\_product ( **user\_id**, **product\_id**, quantity )

user\_order ( **id**, user\_id, order\_date, received\_date )

order\_product ( **product\_id**, **order\_id**, quantity, price )

sale ( **id**, product\_id, regular\_price, new\_price, start\_date, end\_date )

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| User Account Table | | | | | | | |
| id | first\_name | last\_name | password | user\_type | email | billing\_address | shipping\_address |
| uuid | string | string | string | char | string | string | string |
| PK |  |  |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Product Table | | | | | |
| id | product\_name | price | description | brand\_id | listed |
| uuid | string | decimal | string | uuid | boolean |
| pk |  |  |  | fk - brand table |  |

|  |  |
| --- | --- |
| Brand Table | |
| id | brand\_name |
| uuid | string |
| pk |  |

|  |  |  |
| --- | --- | --- |
| Category Table | | |
| id | category\_name | parent\_id |
| uuid | string | uuid |
| pk |  | fk – category |

|  |  |
| --- | --- |
| Product Category | |
| category\_id | product\_id |
| uuid | uuid |
| pk , fk – category | pk , fk – product |

|  |  |  |
| --- | --- | --- |
| Cart Product Table | | |
| user\_id | product\_id | quantity |
| uuid | uuid | int |
| pk , fk – user\_account | pk, fk – product |  |

|  |  |  |  |
| --- | --- | --- | --- |
| User Order Table | | | |
| id | user\_id | order\_date | received\_date |
| uuid | uuid | timestamp | timestamp |
| pk | fk – user\_account |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Order Product Table | | | |
| product\_id | order\_id | quantity | price |
| uuid | uuid | int | decimal |
| pk , fk – product | pk , fk – order |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sale Table | | | | | |
| id | product\_id | regular\_price | new\_price | start\_date | end\_date |
| uuid | uuid | decimal | decimal | timestamp | timestamp |
| pk | fk product |  |  |  |  |