**Software Development Project On**

**Shree Pithad Aai Wooden Furniture**

In Partial Fulfilment of Bachelor of Computer Applications (B.C.A.)

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Developed By

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1. **Project Profile**
   1. Exsiting System:

The Exsiting system in manual system.needs to be converted into automated system.as it has a risk of mismanagement of data,less security,no proper coordination between die rent application and users,fewer users-friendly,accuracy,not guranted and not in reach of distant users.

\*Proposed system:-

Sends receipt to customer.accommodates up to four types of shopping.allows owner to predefine sales tax based a specific state.

1.2 Development Tools and Technology used

* **Front-End: -**

Python (version 3.9) with

Django Framework (version 3.10.7)

* **Back-End: -**

My SQL (version 8.0)

* **Server: -**

XAMPP (Apache, MySQL, PHP)

* **Other-tools: -**

Diagram.net

Microsoft Word (Documentation)2013

Microsoft Power Point(presentation)2013

Microsoft Visual Code

1.3 Modules with descriptions

* Authentication
* Customer management
* Product Catalogue management
* Quotation
* Interior Contract
* Order management
* Costing
* Complaint box
* Payment
* Feedback8. Enquiry & report Management

1. **Authentication:**

* The user and admin can register themselves to login with their id & profile.
* They can manage their profile which are different from each other and can’t be visible to each other.

2. **Customer management:**

* User can modify their profile pic, name, email and change password.
* Customer can buy, that is selecting a product or service and paying for it, and using or consuming it.
* Customer can book an appointment through service number.

**3. Product Catalogue Management:**

* In this module, the admin manages the catalogue of the store, i.e.
* managing the items in systematic order.
* It manages the products for sale with details of the product and price.
* It displays the products in stock of the store and helps the seller to identify and maintain the ordering and selling of the product.
* It also displays the detailed information and price of the product in stock to the customers and visitor.

**4. Quotation:**

* It performs the calculation required in determining the nearer price for the product. It supports multiple rounds of calculation.
* The user can know the approximate amount of the product they need to buy.

**5. Interior contract:**

* Through this module the customers can make contract with the shop for any interior work of their place.
* The shop will provide solution for their client on time and in budget. Proper knowledge of the furniture to be fitted/used according to the interior space of the customers place will be provided along with the cost, design and colour.

**6. Order management:**

* The customer adds the product to the cart, then receives the total amount on the screen along with the product description and proceeds for the customer detail filling
* The manager will receive the customers requirement and customers details to further start preparation for providing services.

**7. Costing:**

* Costing is any system for assigning cost to an element for a business.
* Costing is important to ensure that all expenses are covered and the group fixes a price that ensures a profit.

**8. Complaint Box:**

* Complaint system is a set of procedure used inorganizations to address complaints and resolve disputes.

**9. Payment:**

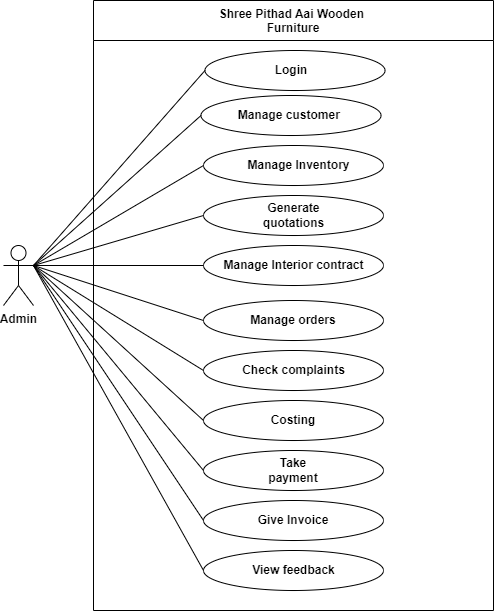
* It will provide the option of paying the amount on pick-up or delivery of the product to the customer.

**10. Feedback:**

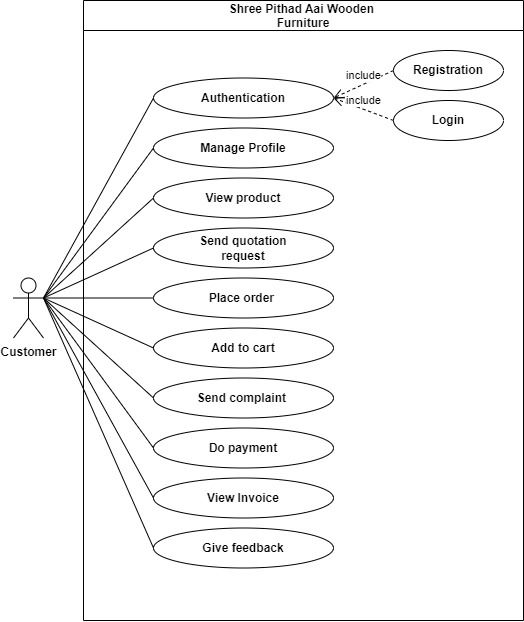
* It allows to create and conduct surveys by collecting the customers feedback.
* The questions of the customer can be answered and queries can be solved by the manager through this feedback section

**2.UML Diagram: -**

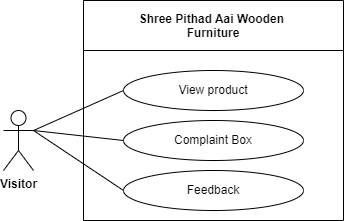
* Use-case Diagram: -
* **Admin Use case Diagram: -**



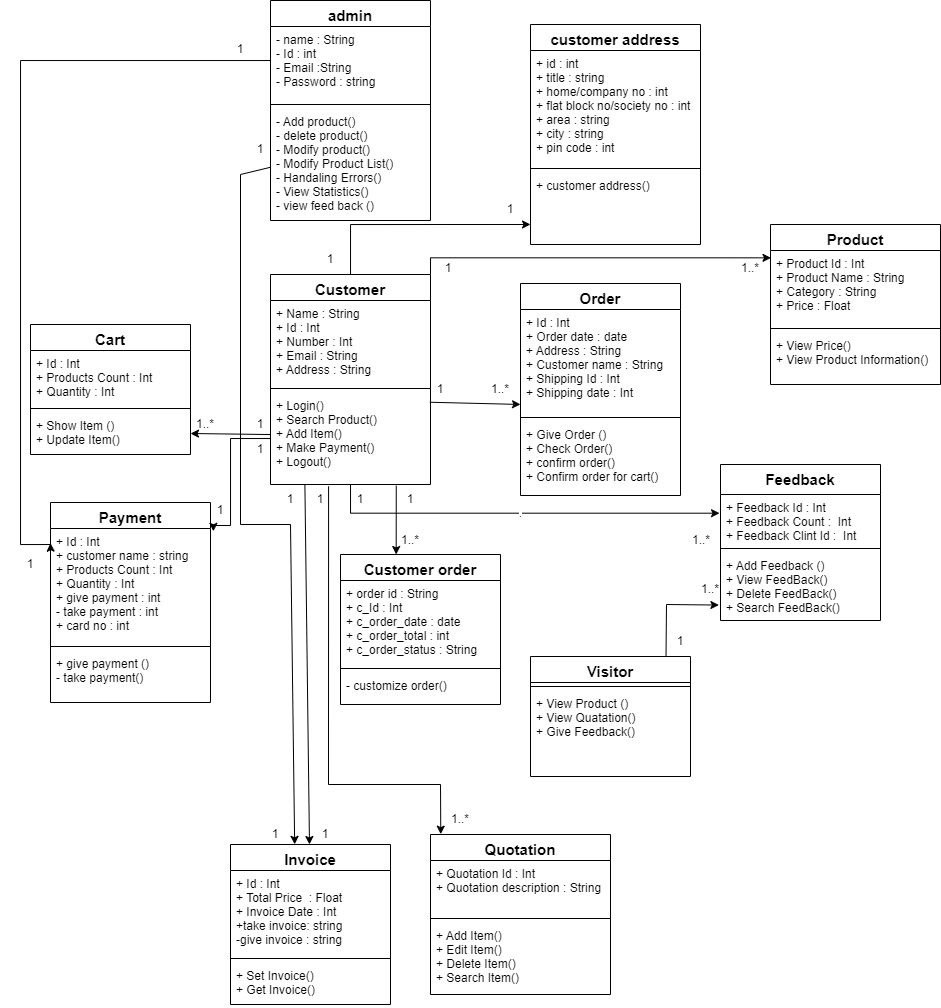
* **Customer Use Case Diagram: -**



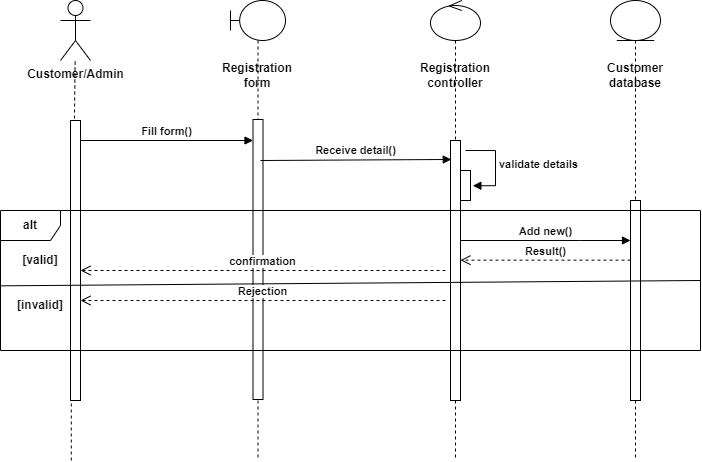
* **Visitor Use Case: -**



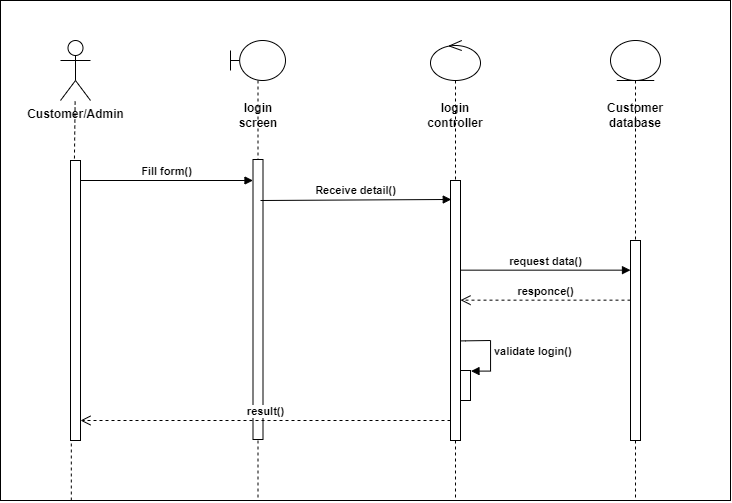
* Class diagram: -



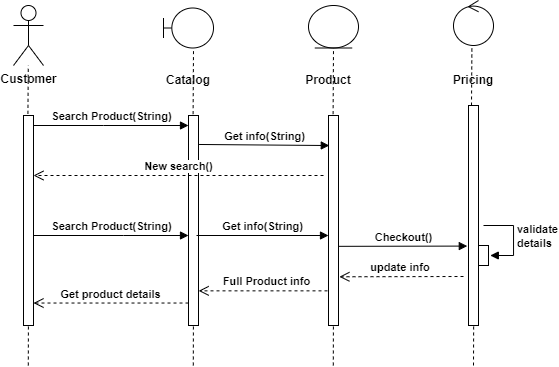
* **Sequence Diagram: -**
* **Registration Sequence Diagram: -**



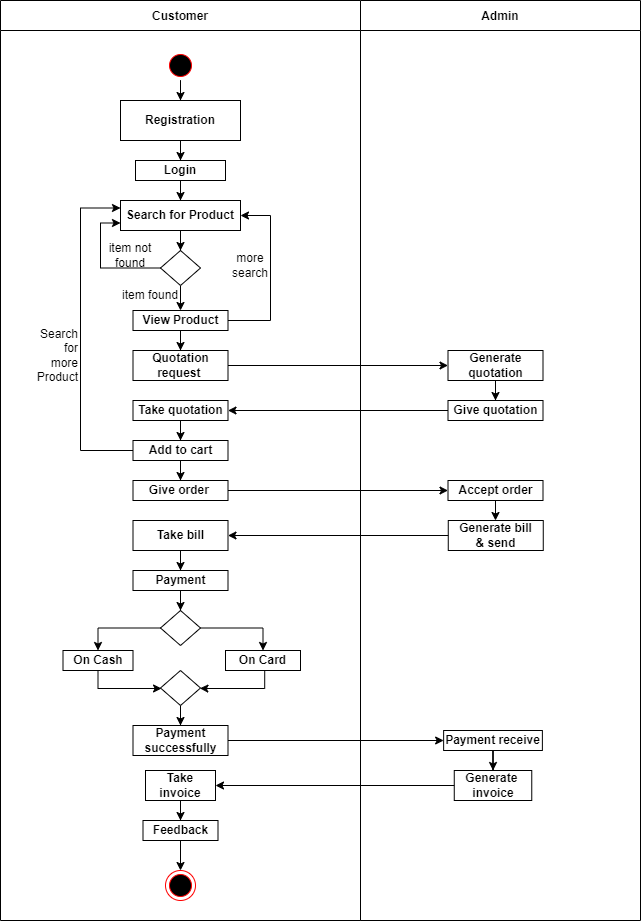
* **Login Sequence Diagram: -**



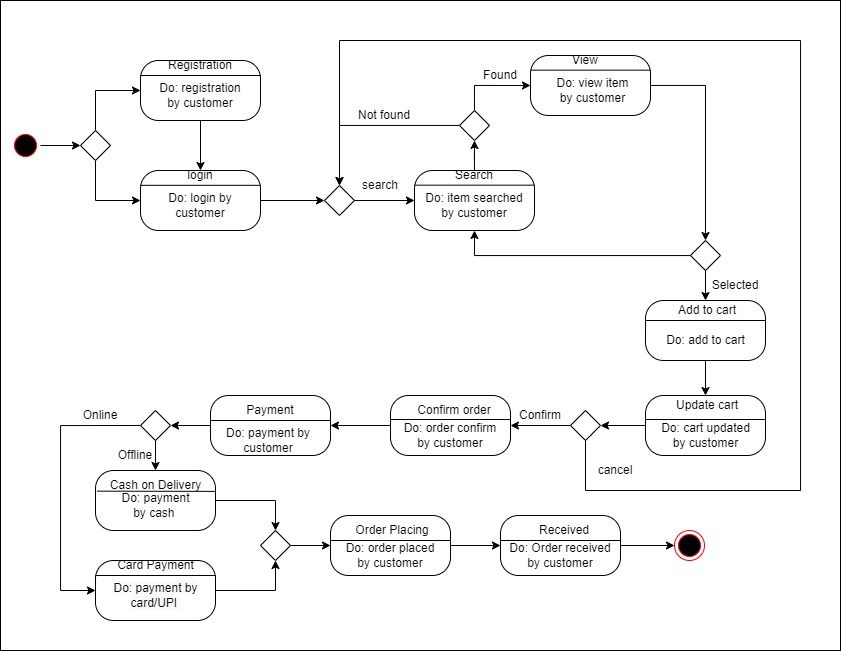
* **Product Sequence Diagram: -**



* **Activity Diagram:­ -**

****

* **State-chart Diagram: -**



**3.Data Dictionary: -**

* **Admin table: -**

**Primary key: - admin id.**

**Description: - It stores admin data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | a\_id | int | 6 | primary key | It stores admin id. |
| 2 | a\_name | varchar | 10 | not null | it stores  admin’s name. |
| 3 | C\_email | varchar | 10 | not null | It stores email of |
| 4 | C\_Password | varchar | 12 | not null | it stores  admin’s password. |

Example: -

|  |  |  |  |
| --- | --- | --- | --- |
| Admin id | Name | Email | Password |
| 1 | darshan | [Ds1@gmail.com](mailto:Ds1@gmail.com) | darshan@1234 |
| 2 | parth | parth211@gmail.com | parth0211 |

* **Customer table: -**

**Primary key: - customer Id.  
Description: - it stores customer data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | C\_id | int | 6 | Primary key | It stores customer id. |
| 2 | C\_name | varchar | 10 | not null | it stores  customer username. |
| 3 | C\_email\_id | varchar | 10 | not null | it stores  customer email. |
| 4 | C\_password | varchar | 12 | not null | It stores password of customer a/c. |
| 5 | C\_contact no | varchar | 10 | not null | it stores  customer contact no. |
| 6 | C\_gender | varchar | 6 | not null | it stores  customer gender. |
| 7 | C\_dob | date | None | not null | It is stores customer date of birth. |

**Example: -**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Id | Name | Email | Password | Contact no | Gender | DOB |
| 1 | Ankit | ankit@gmail.com | Anku24 | 2958392747 | Male | 05-02-2003 |
| 2 | mansi | mansi@  gmail.com | mansi29 | 1937482947 | Female | 02-11-2003 |
| 3 | jitu | jitu@gmail.  Com | Jitu2423 | 6928471903 | Male | 08-10-2001 |
| 4 | appu | Appu@gmail.  com | appu1234 | 0987293721 | Male | 05-1-2005 |
| 5 | aakashi | aakashi@  gmail.com | aakashi1029 | 1029384756 | Female | 02-4-2001 |

* **Customer Address table: -  
    
  Primary key: - customer Address Id.**

**Foreign key:- customer id.**

**Foreign key:- customer address id.  
Description: - It stores customer address data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | C\_a\_id | Int | 6 | Primary key | It stores customer address id. |
| 2 | C\_id | Int | 6 | Foreign key | It stores customer id. |
| 3 | C\_o\_id | int | 6 | Foreign key | It stores customer order id. |
| 4 | C\_a\_title | varchar | 10 | Not null | It keeps the address's title. |
| 5 | c\_a\_home/  Company no | int | 4 | Not null | It keeps company and house numbers. |
| 6 | C\_a\_flat block no / society no | varchar | 2 | none | It keeps the customer's house, flat, or society number. |
| 7 | C\_a\_area | varchar | 30 | Not null | It stores customer's residence. |
| 8 | C\_a\_city | Varchar | 10 | Not null | The city where the customer resides is stored. |
| 9 | C\_a\_pincode | int | 6 | Not null | The address pin code is stored. |

**Example: -**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Address id | Customer id | Order id | Title | Home/company no. | Flat block no / society no | Area | City | Pincode |
| 111 | 101 | 1011 | Home | 203 | H | Ghodasar | Ahmedabad | 382445 |
| 112 | 102 | 1012 | Home | 206 | R | vastral | Ahmedabad | 382445 |
| 113 | 103 | 1013 | Compony | 1 | A | Nikol | Ahmedabad | 382445 |
| 114 | 104 | 1014 | Home | 5 | H | Vastral | Ahmedabad | 382445 |
| 115 | 105 | 1015 | home | 27 | W | naroda | Ahmedabad | 382445 |

* **Customer order table: -**  
    
  **Primary key: - customer order Id.**

**Foreign key:- customer id.  
Description: - It stores customer order data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | C\_order\_id | Int | 6 | Primary key | It stores customer order id. |
| 2 | C\_id | Int | 6 | Foreign key | It stores customer id. |
| 3 | C\_order\_date | Date | None | Not null | It stores order date. |
| 4 | C\_order\_total | Int | 10 | Not null | It stores total amount of order. |
| 5 | C\_order\_status | varchar | 10 | Not null | It stores status of order. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Order id | Customer id | Order date | Total order | Order status. |
| 1 | 101 | 20-10-2022 | 18000 | Pending |
| 2 | 102 | 14-09-2022 | 10000 | Pending |
| 3 | 103 | 30-10-2012 | 20000 | delivered |
| 4 | 104 | 14-09-2016 | 30500 | Pending |
| 5 | 105 | 20-01-2020 | 20000 | delivered |

**Example:-**

* **Order table: -  
    
  Primary key: - Order Id.**

**Foreign key:-product id.**

**Foreign key:-customer id.**

**Foreign key:-customer address id.  
Description: - it is store Order data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | O\_id | Int | 6 | Primary key | It stores order id. |
| 2 | p \_id | Int | 6 | Foreign key | It stores Product id. |
| 3 | C\_id | Int | 6 | Foreign key | It store customer id. |
| 4 | C\_a\_id | Int | 6 | Foreign key | It stores customer address id. |
| 5 | O\_Quantity | int | 5 | Not null | It store product quantity. |
| 6 | O\_rate | int | 10 | Not null | It stores product rate. |
| 7 | O\_order\_date | Date | None | Not null | It stores date of order. |
| 8 | O\_Shipping\_id | Id | 10 | Not null | It stores order shipping id. |
| 9 | O\_Shipping\_date | Date | none | Not null | It stores order shipping date. |

**Example: -**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Id | Product\_id | Customer\_  Id | Customer address\_id | Quantity | Rate | Order\_date | Shipping\_id | Shipping\_date |
| 2011 | 1001 | 1 | 111 | 1 | 28000 | 12-11-2022 | 1022 | 22-11-2022 |
| 2012 | 1002 | 2 | 112 | 2 | 40000 | 28-04-2020 | 1023 | 10-05-2020 |
| 2013 | 1003 | 3 | 113 | 1 | 30000 | 12-01-2018 | 1024 | 22-01-2018 |
| 2014 | 1004 | 4 | 114 | 2 | 13000 | 28-07-2012 | 1025 | 08-08-2012 |
| 2015 | 1005 | 5 | 115 | 1 | 23000 | 01-03-2013 | 1026 | 11-03-2013 |

* **Product table: -**  
    
  **Primary key: - Product Id.  
  Description: - it is store Product data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | P\_id | int | 6 | Primary key | It stores product id. |
| 2 | P\_name | varchar | 10 | not null | It stores product name. |
| 3 | P\_color | varchar | 8 | Not null | It stores product color. |
| 4 | P\_height | Float | 6 | Not null | It store product height. |
| 5 | P\_width | Float | 6 | Not null | It store product width. |
| 6 | P\_length | Float | 6 | Not null | It store product length. |
| 4 | P\_quantity | int | 5 | Not null | It stores quantity. |
| 5 | P\_desc | varchar | 200 | not null | it stores product description. |
| 6 | P\_price | int | 10 | Not bull | It stores product price. |
| 7 | P\_warranty time | date | none | Not null | It stores product warranty. |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Id | Category | Name | Image | Color | Height | width | length | Quantity | Description | Price | Warranty |
| 1001 | Bed | Beds |  | Brown | 3 | 6 | 6 | 1 | A bed is an item of furniture. | 18,000/-  -  40,000/- | 5 years after Purchase date. |
| 1002 | Cabinet | Cabinets |  | walnut | 4.2 | 2 | 2.3 | 1 | A cabinet is a piece of furniture that has doors and drawers and is often used for storage. | 5000/-  -  60,000/- | 5 years after Purchase date. |
| 1003 | Chair | Chair |  | Brown | 4 | 1.3 | 1.3 | 2 | Seats are a versatile form of furniture that is mandatory at home and office. They are useful for retaxing and working. | 2000/-  -  6000/- | 5 years after Purchase date. |
| 1004 | Table | coffee  Table |  |  | 2 | 2.6 | 3 | 1 | an article of furniture consisting of a flat, slab like top supported on one or more legs or other supports. | 5000/-  -  25000/- | 5 years after Purchase date. |
| 1005 | Sofa | Sofa |  | Gray | 4.3 | 11 | 3.8 | 1 | A sofa is a long, comfortable seat with a back and usually with arms, which two or three people can sit on. | 15000/-  -  100000/- | 5 years after Purchase date. |

**Example: -**

* **Quotation table: -**

**Primary key: - Quotation Id.**

**Foreign key:- product id.  
Description: - it is store Quotation data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | Q\_id | Int | 6 | Primary key | It is a store quid. |
| 2 | P\_id | int | 6 | Foreign key | It stores product id. |
| 3 | Q\_product\_  Name | Varchar | 10 | Not null | It is a store product name. |
| 4 | Q\_product\_  Price | Int | 10 | Not null | It is a store product price. |
| 5 | Q\_product\_  Width | Float | 4 | Not null | It is a store product width. |
| 6 | Q\_product\_  Height | Float | 4 | Not null | It is a store product height. |
| 7 | Q\_product\_  Length | Float | 4 | Not null | It is a store product length. |
| 8 | Q\_woodtype | Varchar | 10 | Not null | It is a store product wood type &  Price. |
| 9 | Q\_material | Varchar | 10 | Not null | It is a store product material  & price. |
| 10 | Q\_product\_  description | varchar | 200 | Not null | It stores product description. |
| 11 | Q\_total price | int | 10 | Not null | It is a store total price. |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Id | Product id | Product Name | Product Price | Product Width | Product Height | Product length | Wood  type &  price | Material | Product description | Total  Price |
| 1011 | 1001 | Beds. | 28,000 | 6.3 | 1.25 | 6 | Teak | ceramic | A bed is an item of furniture. | 35,000 |
| 1012 | 1002 | Cabinets. | 6,000 | 3 | 3.5 | 2.5 | Teak | glass | A cabinet is a piece of furniture. | 8,000 |
| 1013 | 1003 | Chair | 3,000 | 1 | 4 | 1.2 | Oak | seat | They are useful for retaxing and working. | 3800 |
| 1014 | 1004 | Table | 15,000 | 4.5 | 4.8 | 4.2 | Ash | Formica | such a piece of furniture used for serving food to those seated at it. | 15000 |
| 1015 | 1005 | Sofa | 25000 | 4.3 | 11 | 3.8 | Maple | Seating cushion | A sofa is a long, comfortable seat with a back and usually with arms | 3000 |

**Example: -**

* **Payment table: -**

**Primary key :- product Id.**

**Foreign key :-customer id.**

**Foreign key :- order id.**

**Foreign key :- quotation id.**

**Foreign key :-customer address id.  
Description: - It stores payment data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | Pay\_id | Int | 6 | Primary Key | It stores payment id. |
| 2 | C\_id | int | 6 | Foreign key | It stores customer id. |
| 3 | O\_id | Int | 6 | Foreign key | It stores order id. |
| 4 | Q\_id | Int | 6 | Foreign key | It stores Quotation id. |
| 5 | C\_a\_id | Int | 6 | Foreign key | It stores customer address id. |
| 6 | Pay\_amount | Varchar | 10 | Not null | It stores payment amount. |
| 7 | Pay\_date | date | none | Not null | It keeps the time and date of payments. |
| 8 | Pay\_type | varchar | 20 | Not null | It stores Type of payment. |

**Example: -**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Payment id | Customer id | Order id | Quotation id | Customer address id | Date | Type | Address |
| 1 | 1 | 20011 | 2011 | 1 | 27-20-2022 | cash on delivery | a/11, Gokul platinum, jasoda Nagar, Ahmedabad. |
| 2 | 2 | 20012 | 2012 | 2 | 17-10-2022 | Online payment | a/11, Gokul platinum, jasoda Nagar, Ahmedabad. |
| 3 | 3 | 20013 | 2013 | 3 | 27-20-2022 | Online  payment | a/11, Gokul platinum, jasoda Nagar, Ahmedabad. |
| 4 | 4 | 20014 | 2014 | 4 | 17-10-2022 | cash on delivery | a/11, Gokul platinum, jasoda Nagar, Ahmedabad. |
| 5 | 5 | 20015 | 2015 | 5 | 27-20-2022 | Online payment | a/11, Gokul platinum, jasoda Nagar, Ahmedabad. |

* **Invoice table: -  
    
  Primary key: - Quotation Id.**

**Foreign key:- customer id.**

**Description: - it is store Quotation data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | I\_id | Int | 6 | Primary key | It stores invoice id. |
| 2 | I\_Product\_  Name | Varchar | 10 | Not null | It stores product name. |
| 3 | C\_id | int | 6 | Foreign key | It stores customer’s id. |
| 4 | I\_Total\_price | Int | 10 | Not null | It stores product total price. |
| 5 | I\_invoice\_date | Date | None | Not null | It stores invoice date. |
| 6 | I\_warranty\_  date | date | none | Not null | It Stores  Furniture warranty date. |

**Example: -**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Id | Product Name | Customer id | Total Price | Invoice Date | Warranty Date |
| 1023 | Beds. | 1 | 28,000 | 10-12-2016 | 5 Year After Purchase Date |
| 1024 | Cabinets. | 2 | 12,000 | 14-2-2014 | 5 Year After Purchase Date |
| 1025 | Chair | 3 | 3000 | 01-05-2022 | 5 Year After Purchase Date |
| 1026 | Table | 4 | 15000 | 03-08-2020 | 5 Year After Purchase Date |
| 1027 | Sofa | 5 | 25000 | 14-12-2022 | 5 Year After Purchase Date |

* **Feedback Table: -  
    
  Primary key: - Feedback Id.**

**Foreign key:- customer id.  
Description: - it is store feedback data.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No | Field | Datatype | Size | Constraint | Description |
| 1 | F\_id | Int | 6 | Primary Key | It stores id of feedback. |
| 2 | C\_id | Int | 6 | Foreign key | It stores customer’s id. |
| 3 | F\_date | Date | None | Not null | It stores date of feedback. |
| 4 | F\_feedback | varchar | 200 | Not null | It stores details about all feedback. |

* **Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| Feedback id | Customer id | Date | Feedback |
| 1 | 101 | 04-01-2022 | I love this product. |
| 2 | 102 | 06-11-2022 | This product is not well. |
| 3 | 103 | 07-12-2022 | I love this product. |
| 4 | 104 | 22-03-2022 | This product is not well. |
| 5 | 105 | 19-10-2022 | I love this product. |