**DATABASE Design**

1. **Customer**

|  |
| --- |
| Customer |
| User Id  Password  Email  First\_name  Last\_name  Address  Zip code  State  Country  Phone number  Address |

1. **Products**

|  |
| --- |
| Products |
| Product-Id  Name  Price  Description |

1. **Cart**

|  |
| --- |
| Cart |
| User Id  Product Id  Order Id |

1. **Complaint**

|  |
| --- |
| Query |
| Customer-ID  Order details  Complaint ID  Purchased-Date  Detailed issue  Feedback |

1. **categories**

|  |
| --- |
| Categories |
| Category Id  Name |

1. **Seller**

|  |
| --- |
| Seller |
| Seller ID  Product ID  Seller name  Product name  Price  Image  Categories |

**Architecture diagram**

**Shop Zilla**

**Login/Register**

**Buy product**

**View**

**Product review**

**ge**

**User**

**Admin**

**Seller**

**Help**

**Remove/Add seller**

**Remove/Add products**

**Gift cards for local vendors**

**Login/Register**

**Sell product**

**Contact us**

**Online support**

**User Complaints**

**UM**

**UML Diagram**

1. **Class Diagram**

|  |
| --- |
| Order |
| Cust\_Id:Integer  Order\_Id:Integer  Product\_name:string |
| payment()  payment\_confirm()  close() |

|  |
| --- |
| Customer |
| Name: string  Address: string |
| Add to cart()  Order Purchased()  Acknowledge() |

|  |
| --- |
| Admin |
| Admin login  Remove seller()  Add seller() |

|  |
| --- |
| Seller |
| Seller Id  Product Id  Product name  List product  Purchased confirmation() |

|  |
| --- |
| Products |
| Product Id  Product name  Product price  Quantity  Seller information()  Price() |

|  |
| --- |
| Admin |
| Admin login  Remove seller()  Add seller() |

**Products**

**Customer**

**Id:integer**

**Price:float**

**quantity:integer**

**Cust\_id:integer**

**Name:string**

**1 1**

**Select\_product()**

**Payment()**

**Acknowledge()**

**Product categories()**

**Featured product()**

1. **Use-case Diagram**

Authentication

Login

A picture containing calendar

Description automatically generated

Choose product & Pay bill

**customer**

Payment gateway

Help

**Icon

Description automatically generated Icon

Description automatically generated**

**Admin**

Update product/seller details

Customer support

**Text, whiteboard

Description automatically generated**

**Seller**

Product listing

Registration

Authentication by admin