**Online E-commerce System**

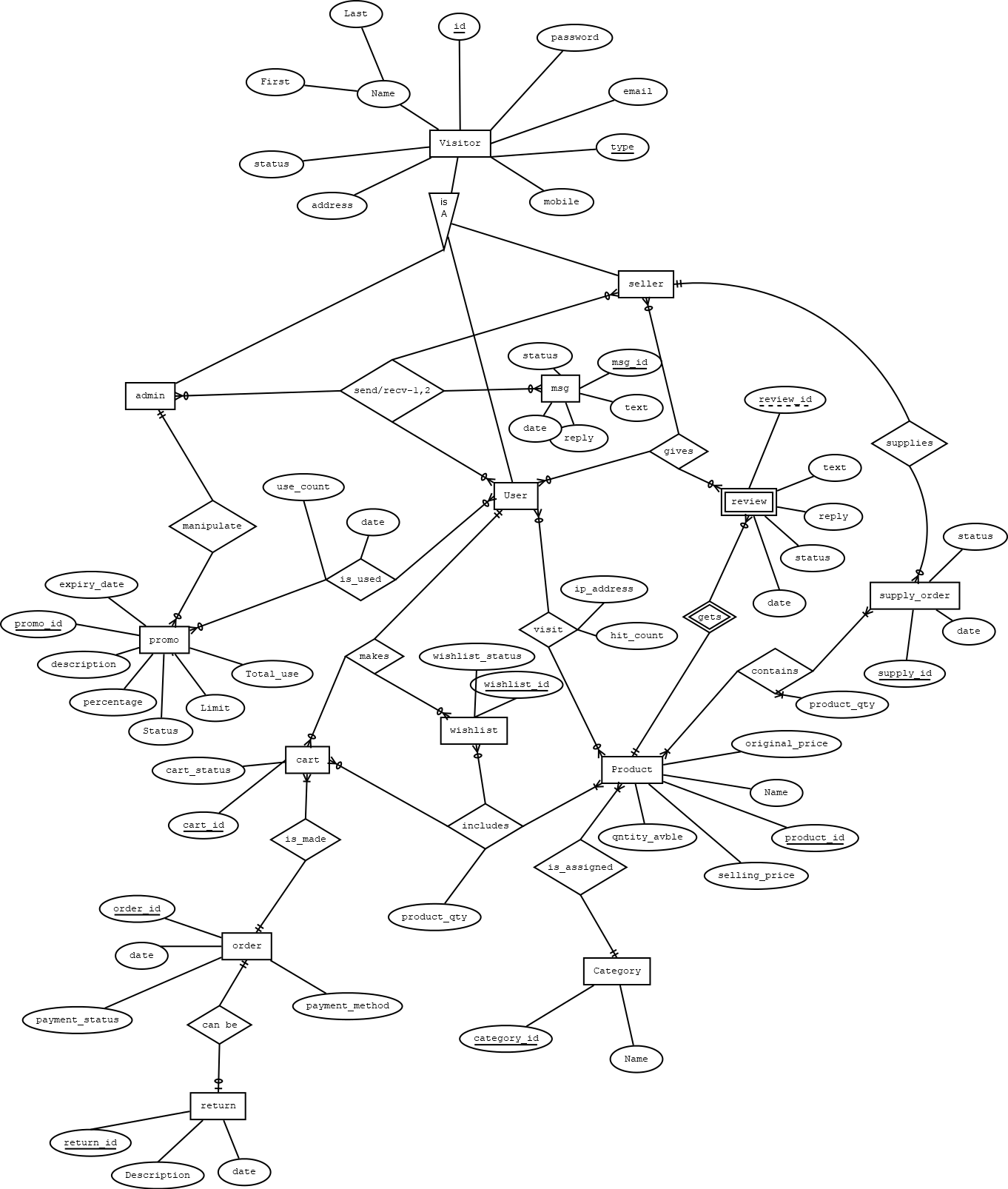
**Business overview:**

E-commerce also known as Electronic commerce is the most useful business over the internet.it refers to buy and sell of good products on global scale. This project deals with an e-commerce website for online shopping system. The Online Shopping System is a web based application for an existing shop. The main thing of the Online Shopping System is to manage all the information about shopping, products and customers. It would help to easily searching, viewing and selection of a product in any shop through internet by using android device. Customer can get the services without going to the market. This system provides a cart to a customer and customer can add a product to the shopping cart. It is easily accessible and always available.

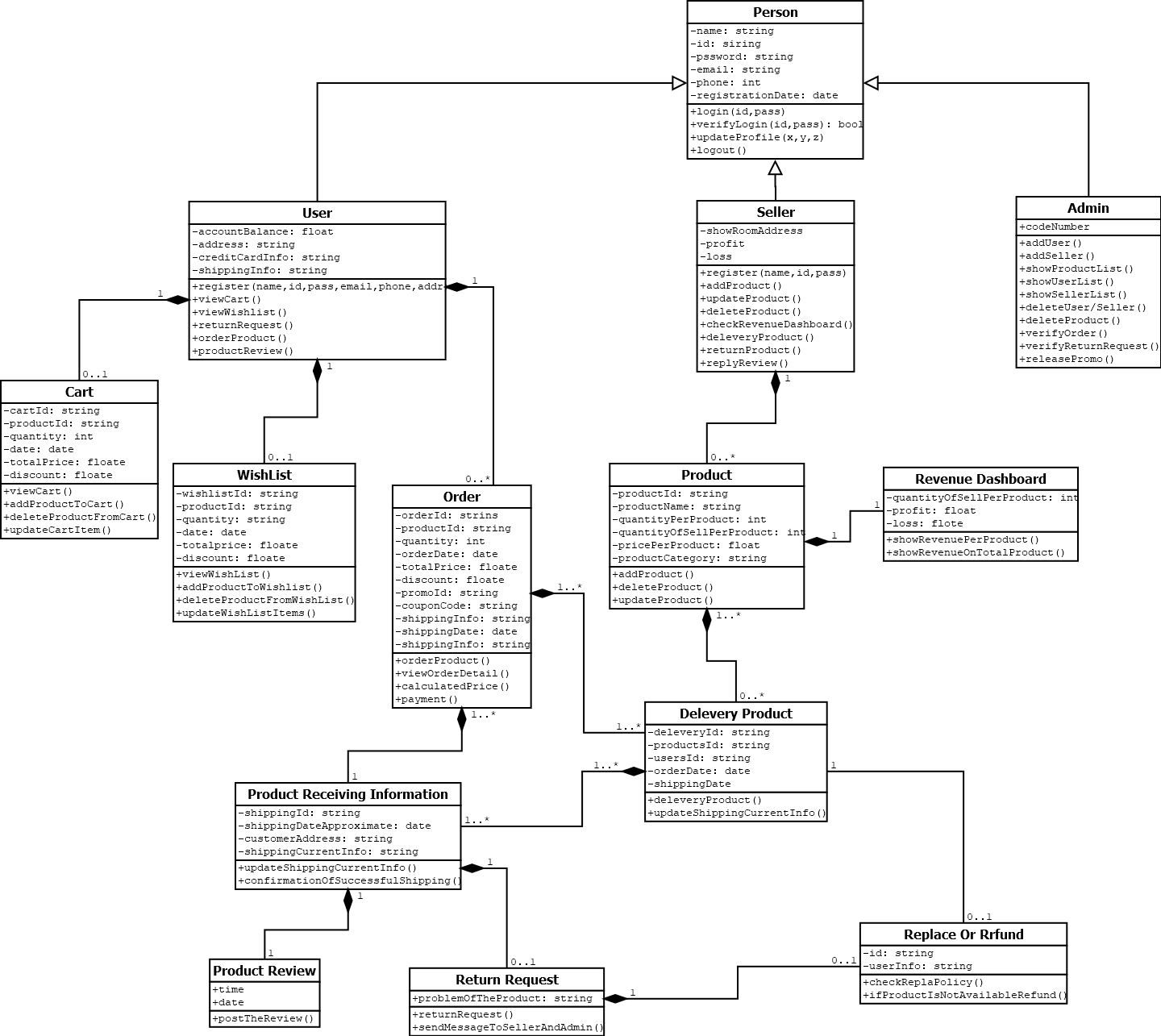
**Project Summary**

Online Shopping System is a virtual store where the customers buy the product of interest. The Customers can search the details of products easily and select the product from different catalogue. The selected product may be collected in shopping cart. Customers can add a product to cart for purchase or delete a product from cart before selecting the final submission. After giving order, the product will deliver to the customer via Post office or currier services. Customer can also view products review and comment out their own review. A customer must have to be registered if they want to buy something. Every customer have a separate identity .Online shop has so many products. The products have to be identified as product type. Sometimes customer got commission by selling a fixed amount.Online Shopping System is not really much complicated.But sometimes the system can get much more complicated if it is not organized properly.

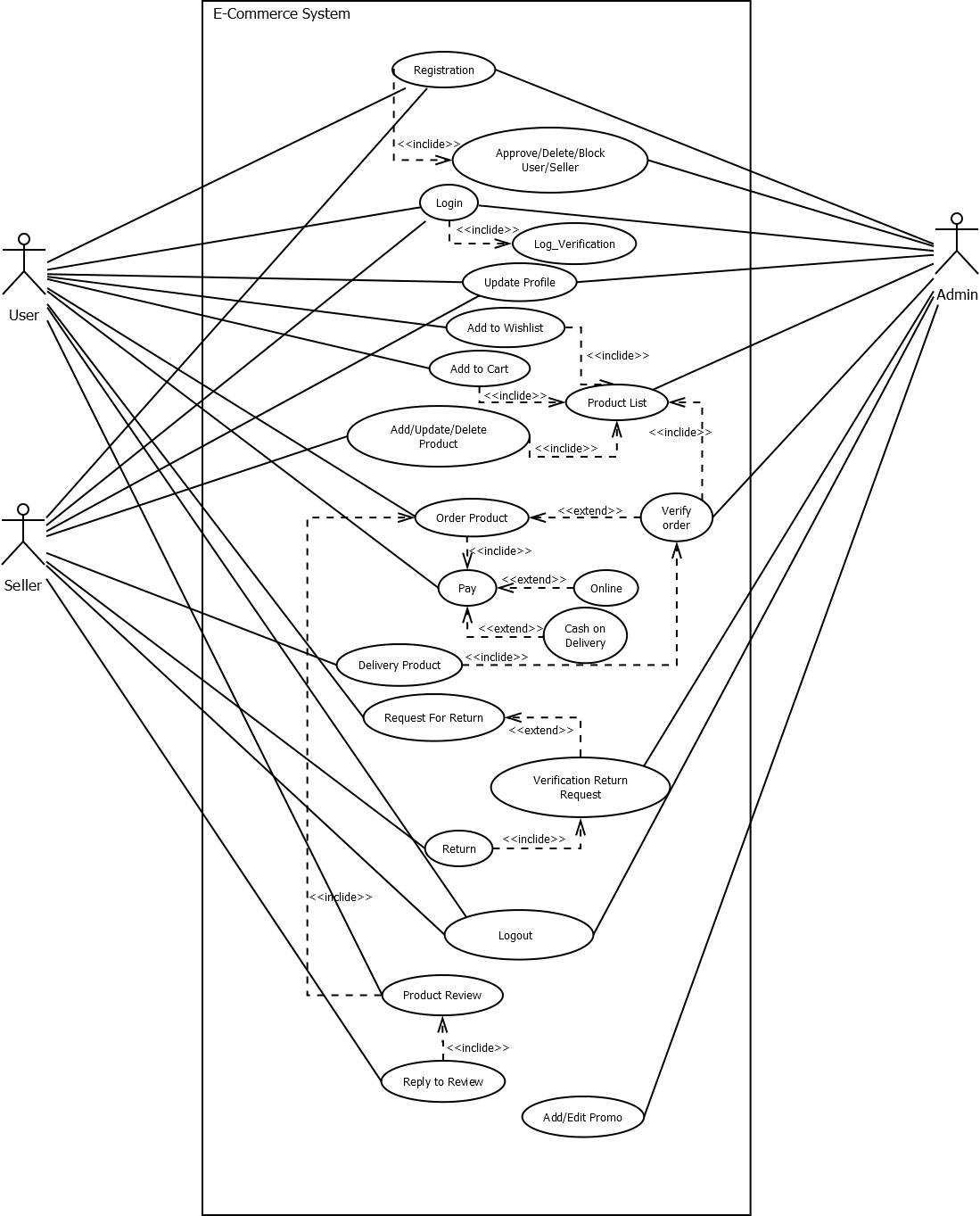
**ER diagram:**

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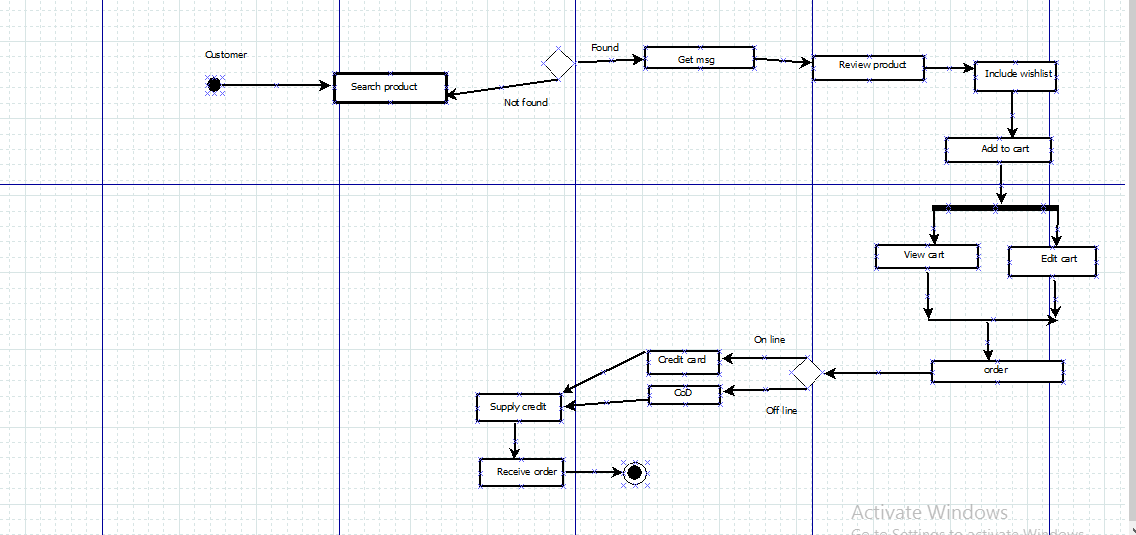
**Class diagram:**

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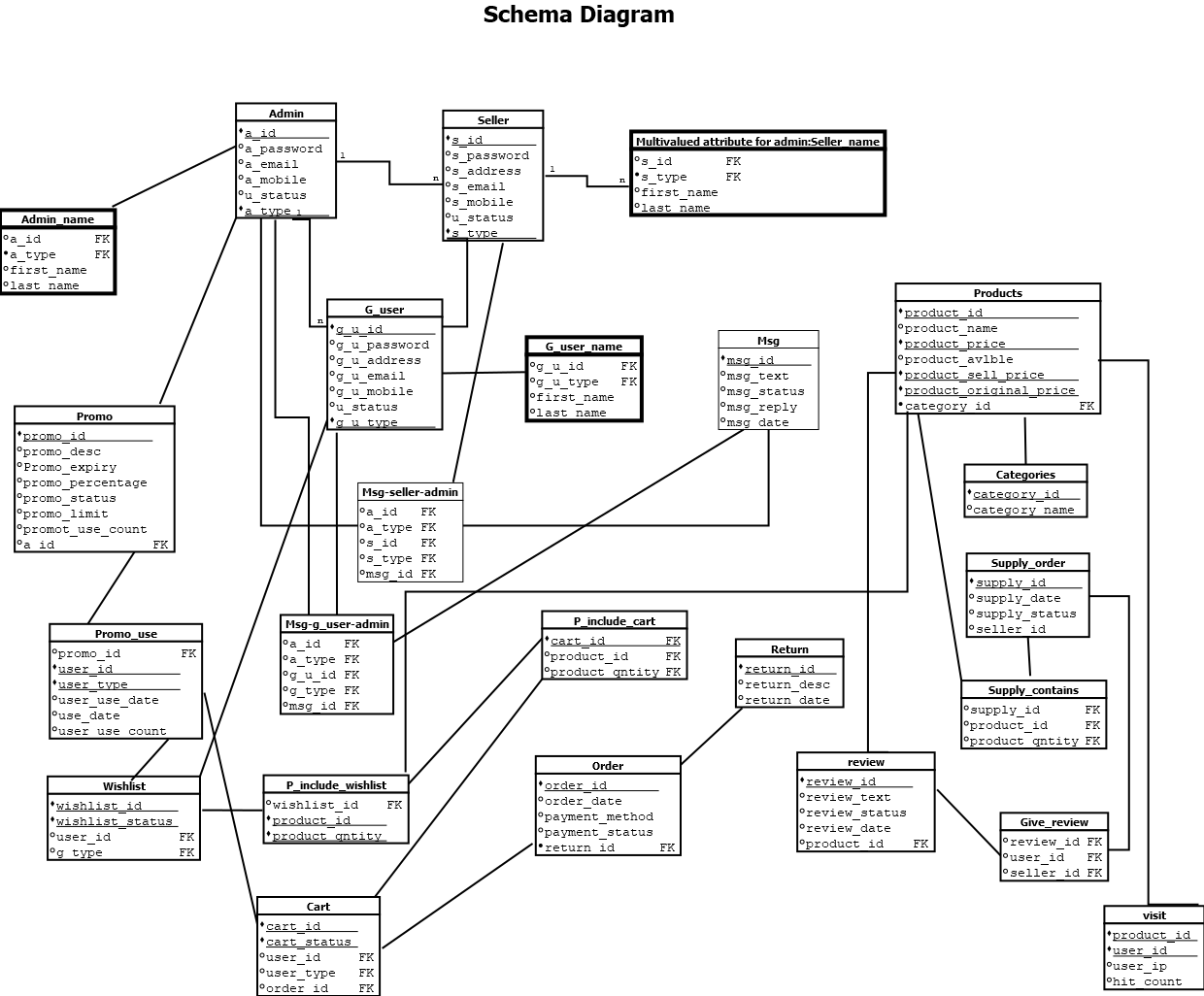
**Use-Case diagram:**

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**Activity Diagram:**

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**Schema diagram:**

****

**List of attribute model :**

1. **Admin’s Attributes** :

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attributes** | A\_id | A\_password | A\_address | A\_email | A\_mobile | U\_status | A\_type |
| **Data Type** | number(5) | varchar2(15) | varchar2(30) | varchar2(30) | number(11) | varchar2(30) | varchar2(30) |

1. **Seller’s Attributes:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attributes** | S\_id | S\_password | S\_address | S\_email | S\_mobile | U\_status | S\_type |
| **Data Type** | number(5) | varchar2(30) | varchar2(30) | varchar2(30) | number(11) | varchar2(30) | varchar2(30) |

1. **G\_user’s Attributes:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attributes** | Gu\_id | Gu\_password | Gu\_address | Gu\_email | Gu\_mobile | u\_status | Gu\_type |
| **Data Type** | number(5) | varchar2(15) | varchar2(30) | varchar2(30) | number(11) | varchar2(30) | varchar2(30) |

1. **Multivalued attribute for admin:**

**Admin \_name:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attributes** | a\_id | a\_type | **first\_name** | **Last\_name** |
| **Data Type** | number(5) | varchar2(30) | varchar2(30) | varchar2(30) |

1. **Multivalued attribute for seller:**

**Seller \_name:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attributes** | S\_id | S\_type | **first\_name** | **Last\_name** |
| **Data Type** | number(5) | varchar2(30) | varchar2(30) | varchar2(30) |

1. **Multivalued attribute for g\_user:**

**G\_user\_name:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attributes** | Gu\_id | Gu\_type | **first\_name** | **last\_name** |
| **Data Type** | number(5) | varchar2(30) | varchar2(30) | varchar2(30) |

1. **Msg’s attributes:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | msg\_id | msg\_text | msg\_status | msg\_reply | msg\_date |
| **Data Type** | number(5) | varchar2(30) | varchar2(30) | varchar2(30) | varchar2(10) |

1. **Msg-seller-admin attributes:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | a\_id | a\_type | S\_id | S\_type | msg\_id |
| **Data Type** | number(5) | varchar2(30) | number(5) | varchar2(30) | number(5) |

1. **Msg-g\_user-admin attributes :**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | a\_id | a\_type | Gu\_id | Gu\_type | msg\_id |
| **Data Type** | number(5) | varchar2(30) | number(5) | varchar2(30) | number(5) |

1. **Promo’s attributes :**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Attributes** | Promo\_id | Promo\_  desc | Promo\_  expiry | Promo\_  percentage | Promo\_  status | Promo\_  limit | Promo\_  **Use\_count** | a\_id |
| **Data Type** | Number  (5) | Varchar2  (30) | Varchar2  (30) | Number  (20) | Varchar2  (20) | Varchar2  (30) | Number  (10) | number (5) |

1. **Promo\_use attributes :**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | Promo\_id | user\_id | user\_type | user\_use\_date | user\_use\_account |
| **Data Type** | number(5) | number(5) | varchar2(30) | number(22) | number(20) |

1. **Wishlist’s attributes:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attributes** | wishlist\_id | wishlist\_status | user\_id | Gu\_type |
| **Data Type** | number(5) | varchar2(30) | number(5) | varchar2(30) |

**13) P\_include\_wishlist attribute:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes** | wishlist\_id | product\_id | product\_qntity |
| **Data Type** | number(5) | number(5) | varchar2(30) |

1. **P\_include\_cart attributes:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes** | cart\_id | product\_id | product\_qntity |
| **Data Type** | number(5) | number(5) | varchar2(30) |

1. **Cart’s attributes (updated):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | cart\_id | cart\_status | user\_id | Gu\_type | Order\_id |
| **Data Type** | number(5) | varchar2(30) | number(5) | varchar2(30) | number(5) |

1. **Order\_t attributes (updated):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | order\_id | order\_date | payment\_method | payment\_status | return\_id |
| **Data Type** | number(5) | number(20) | varchar2(30) | varchar2(30) | number(5) |

1. **Return\_t attributes:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes** | return\_id | return\_desc | return\_date |
| **Data Type** | number(5) | varchar2(30) | number(20) |

1. **Product’s attributes (updated):**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Attributes** | product\_id | product\_name | product\_price | product\_avlble | product\_sell\_price | product\_orginal \_price | Category\_id |
| **Data Type** | number(5) | varchar2(30) | varchar2(30) | varchar2(30) | number(5) | number(5) | number(5) |

1. **Categories attributes :**

|  |  |  |
| --- | --- | --- |
| **Attributes** | Category\_id | Category\_name |
| **Data Type** | number(5) | varchar2(30) |

1. **Supply order attributes :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attributes** | Supply\_id | Supply\_date | Supply\_status | S\_id |
| **Data Type** | number(5) | number(10) | varchar2(30) | number(5) |

1. **Supply contains attributes:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes** | Supply\_id | product\_id | product\_quntity |
| **Data Type** | number(5) | number(5) | varchar2(30) |

1. **Give \_ review attribute:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attributes** | Review\_id | user\_id | S\_id |
| **Data Type** | number(5) | number(5) | number(5) |

1. **Review attributes (update):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Attributes** | Review\_id | Review\_text | Review\_status | Review\_date | product\_id |
| **Data Type** | number(5) | varchar2(30) | varchar2(30) | number(10) | number(5) |

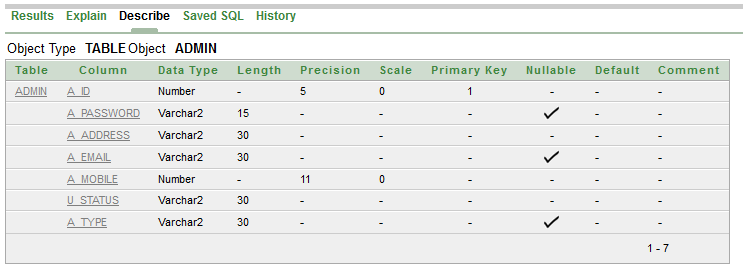
1. **Visit’s attributes:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Attributes** | product\_id | N\_user\_id | user\_ip | Hit\_count |
| **Data Type** | number(5) | number(5) | number(5) | number(5) |

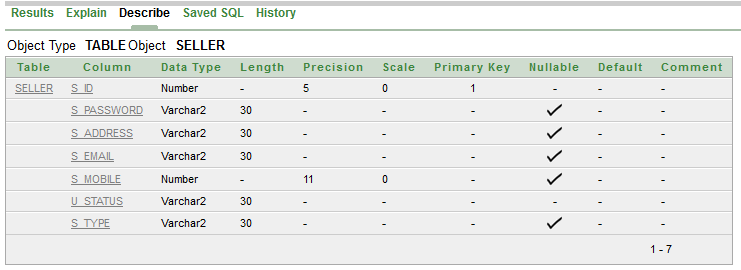
**Schema Diagram:**

**Screenshots of the table with only data type of the attributes:**

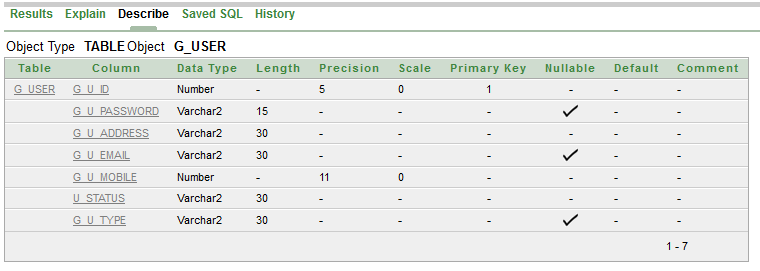
**Admin:**

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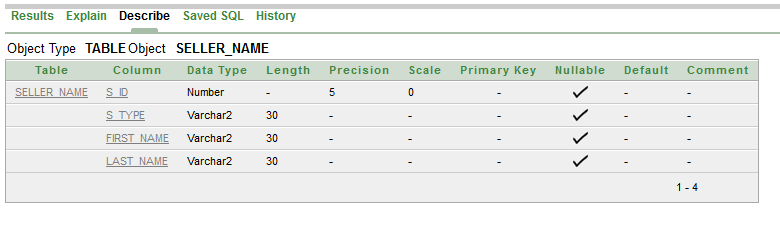
**Seller:**

****

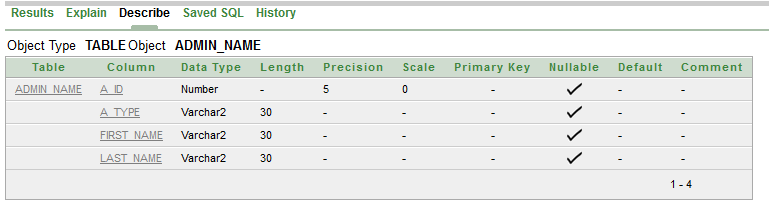
**G\_user:**

****

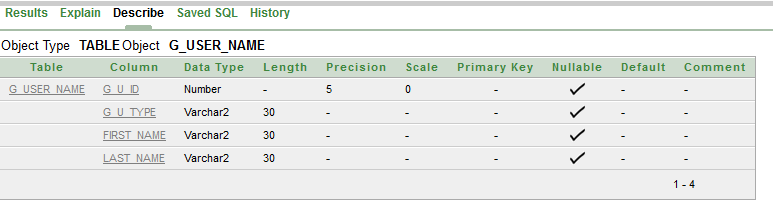
**Seller\_name:**

****

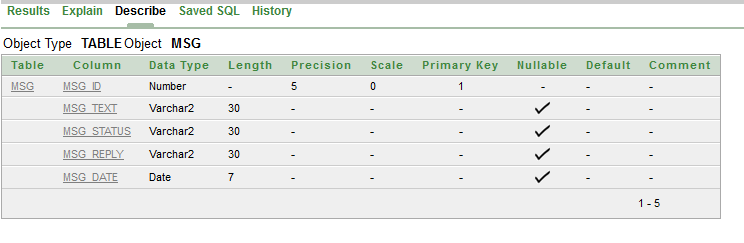
**Admin\_name:**

****

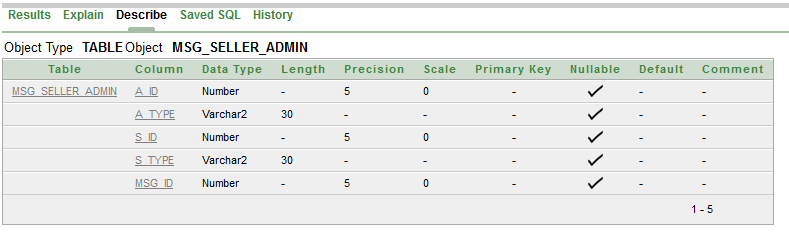
**G\_user\_name:**

****

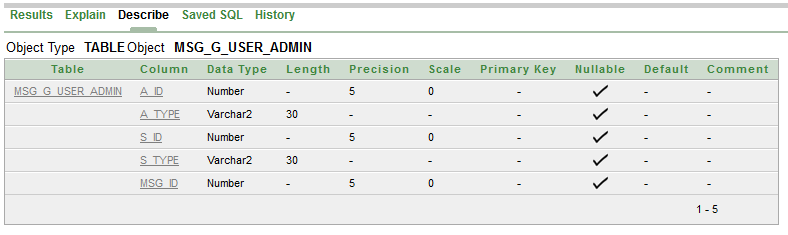
**Msg:**

****

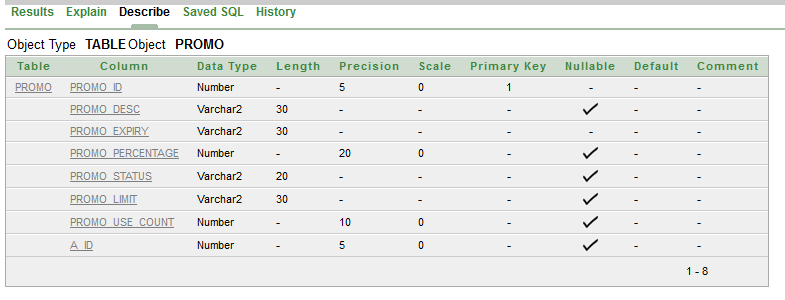
**Msg\_seller\_admin:**

****

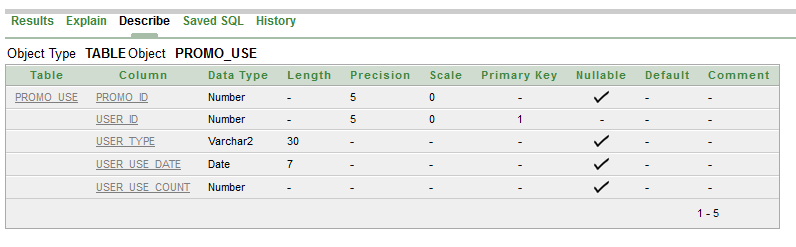
**Msg\_g\_user\_admin:**

****

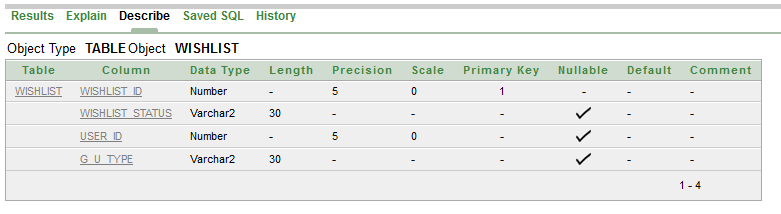
**Promo:**

****

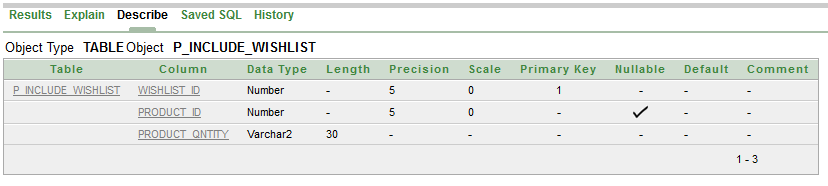
**Promo\_use:**

****

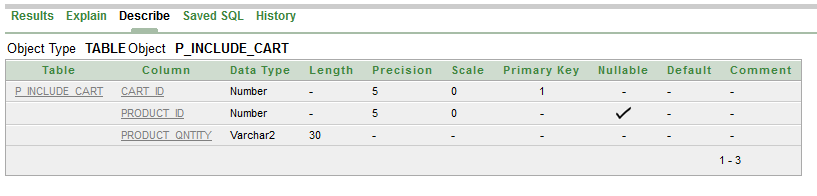
**Wishlist:**

****

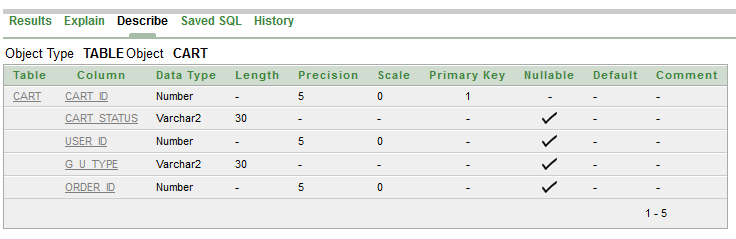
**P\_include\_wishlist:**

****

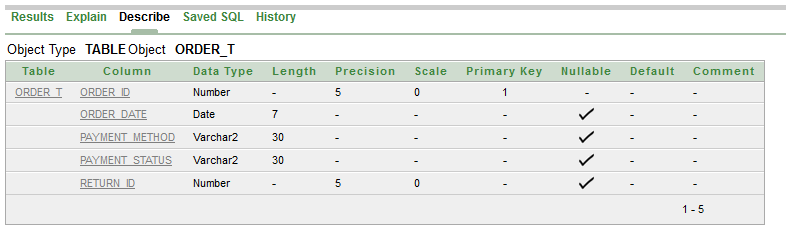
**P\_include\_cart:**

****

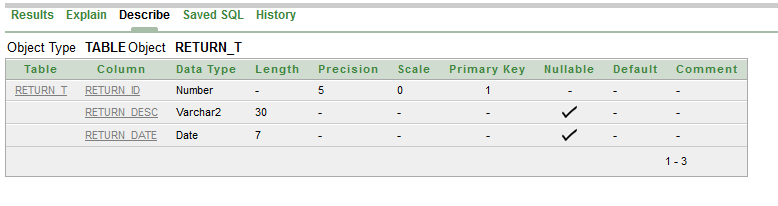
**Cart:**

****

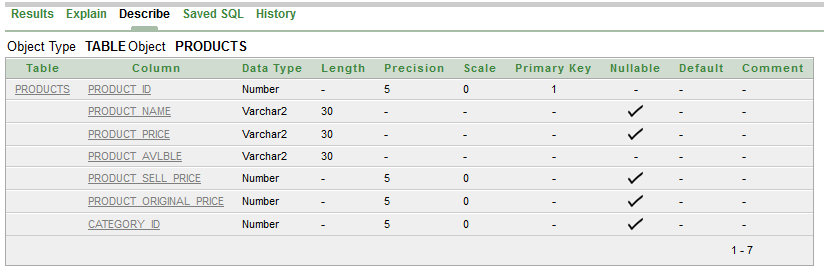
**Order\_t:**

****

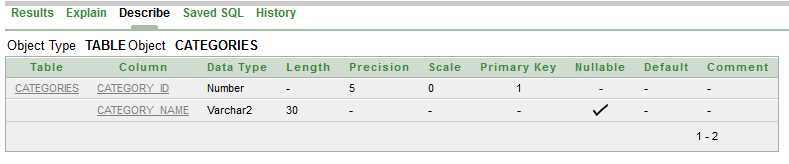
**Return\_t:**

****

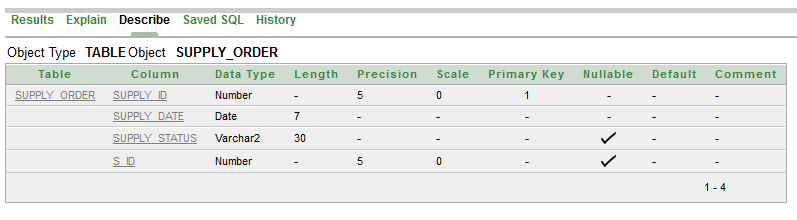
**Products:**

****

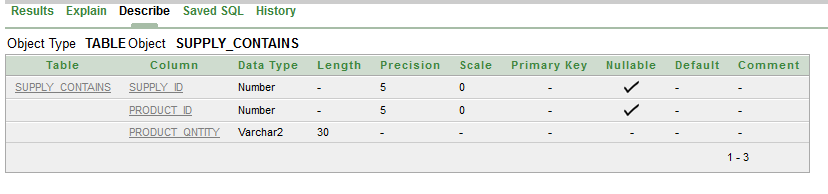
**Catagories:**

****

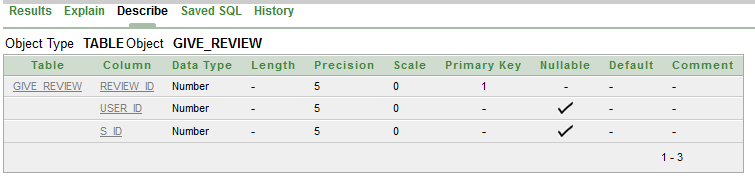
**Supply\_order:**

****

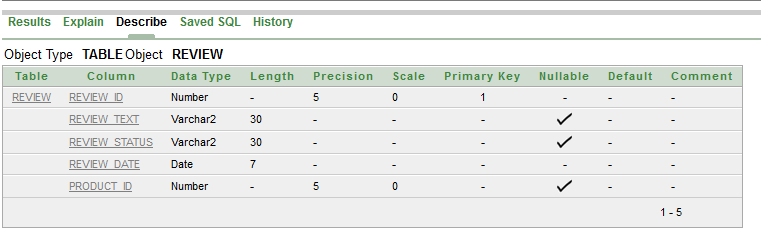
**Supply\_contains:**

****

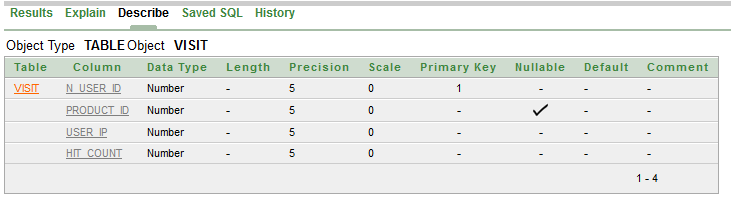
**Give\_review:**

****

**Review:**

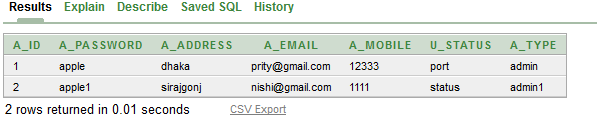
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**Visit:**

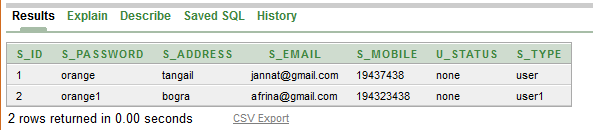
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**Screenshot of the tables with sample data records**

**Admin**

****

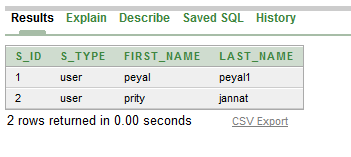
**Seller**

****

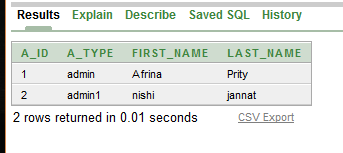
**G\_user**

****

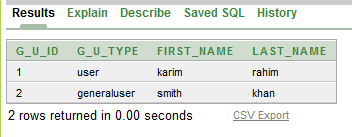
**Seller\_name**

****

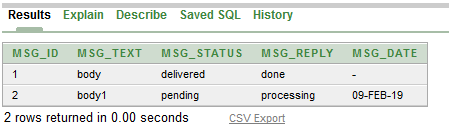
**Admin\_name**

****

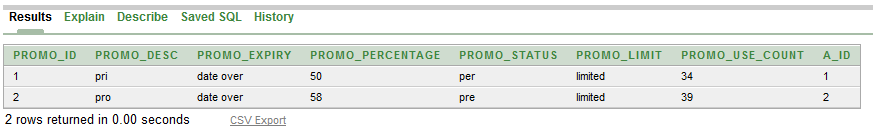
**G\_user\_name**

****

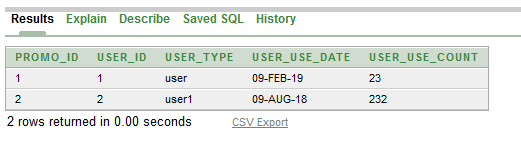
**Msg**

****

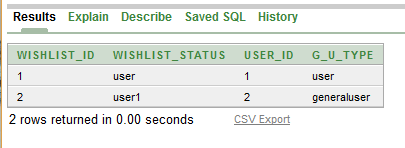
**Promo**

****

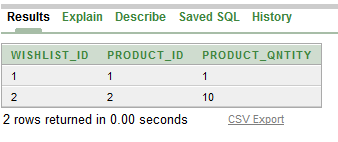
**Promo\_use**

****

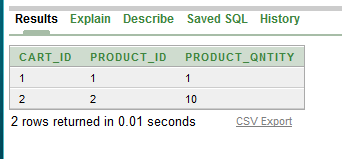
**Wishlist**

****

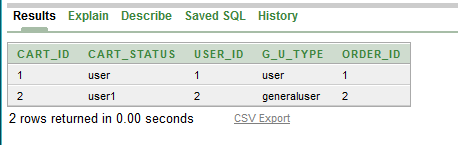
**P\_include\_wishlist**

****

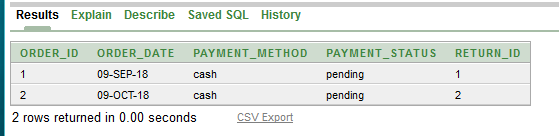
**P\_include\_cart**

****

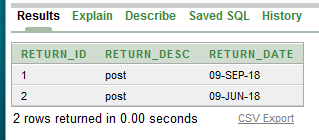
**Cart**

****

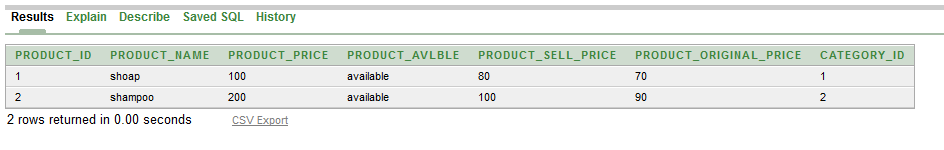
**Order\_t**

****

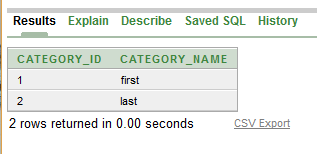
**Return\_t**

****

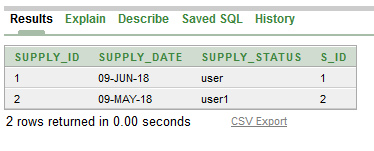
**Products**

****

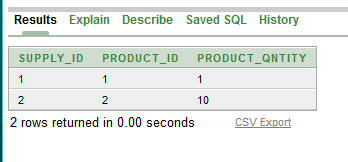
**Categories**

****

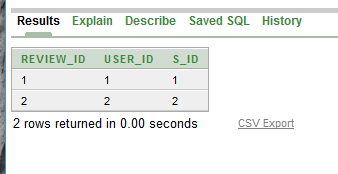
**Supply\_order**

****

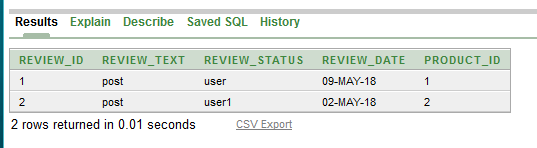
**Supply\_contains**

****

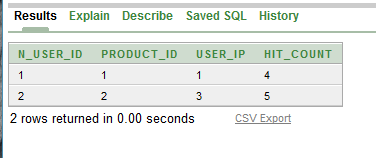
**Give\_review**

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**Review**

****

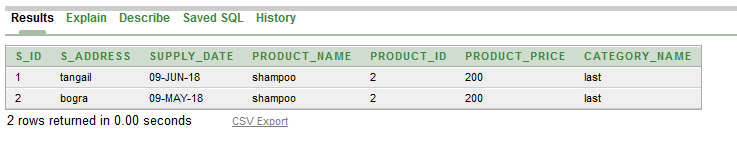
**Visit**

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**Demonstrating some database use scenarios and SQL querie**

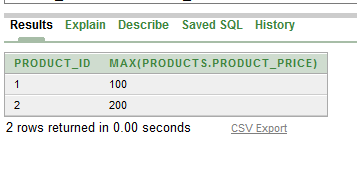
1.Find out seller info,prduct\_id,product\_price,category who sells shampoo

select Seller.s\_id,Seller.s\_address,Supply\_order.supply\_date,products.product\_name,product\_id,products.product\_price,categories.category\_name from Seller,Supply\_order,products,categories where products.category\_id=categories.category\_id and Seller.s\_id=Supply\_order.s\_id and product\_name='shampoo'



2. Display Maximum selling product product\_price group by Product id

select products.product\_id,max(products.product\_price) from products,supply\_contains where products.product\_id=supply\_contains.product\_id group by products.product\_id



3. Show order list and cart id where who’s g\_id=1

select order\_date,payment\_method,payment\_status,cart\_status,cart\_id from order\_t,cart,g\_user where order\_t.order\_id=cart.cart\_id and g\_user.g\_u\_type=cart.g\_u\_type and g\_u\_id='1'

