**Outline Design of Website**

**Group member Student number of BUPT**

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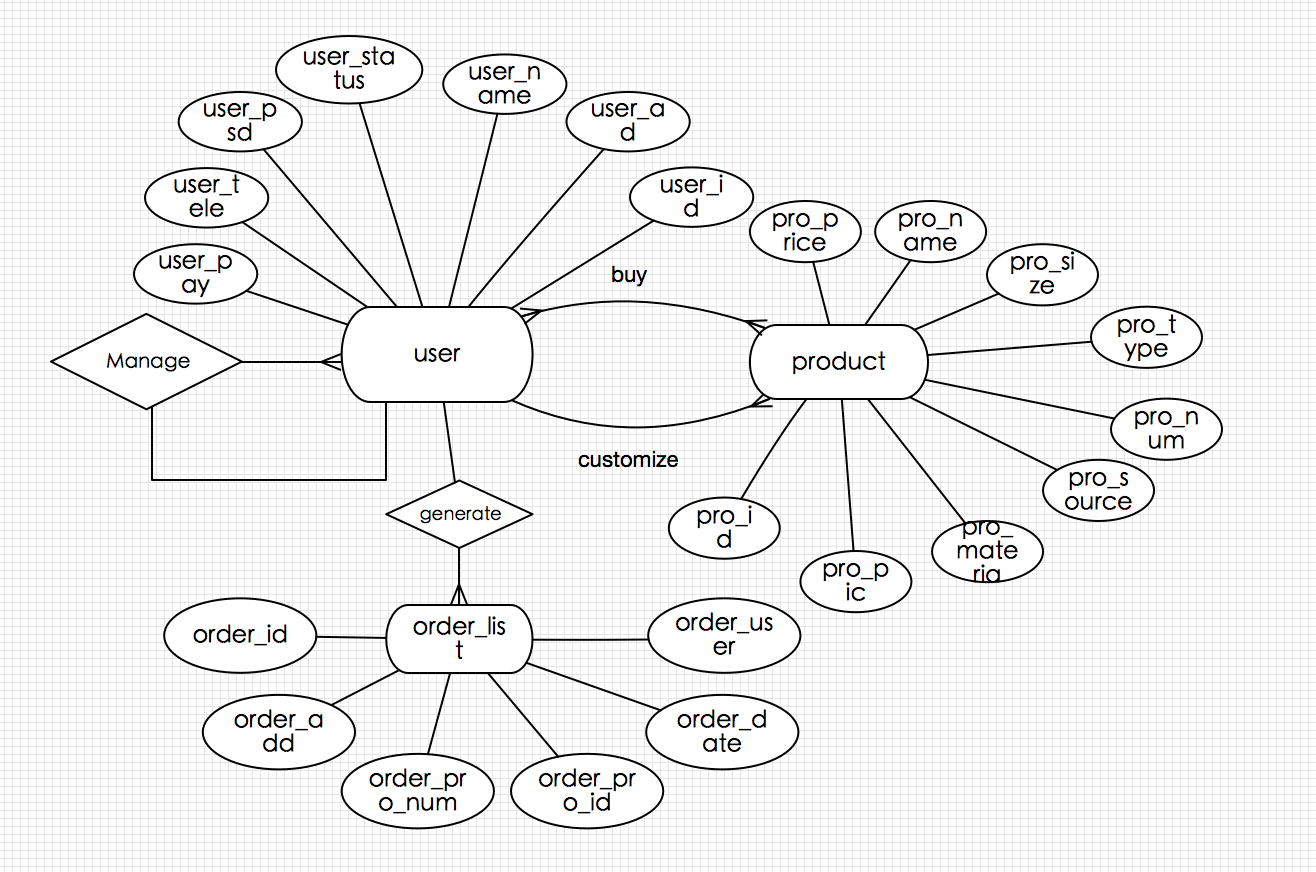
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1. **Entity-Relationship Diagrams**
2. Whole Relationships:



Including:

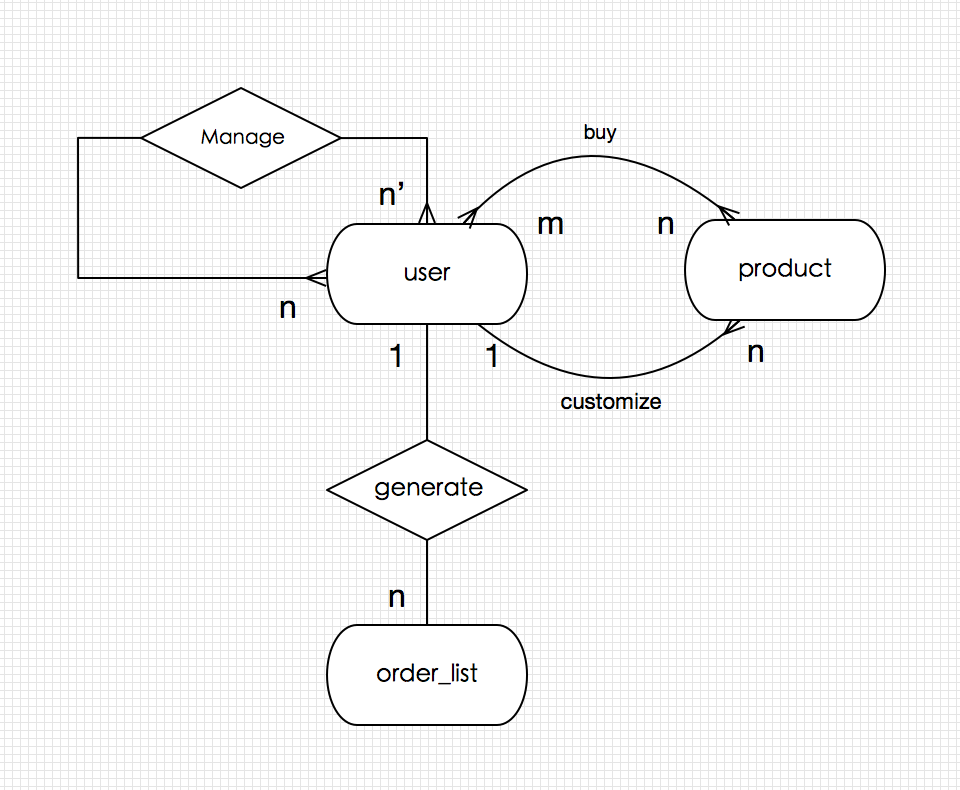
3 main entities:

User: contain all customer and admin-person account.

Product: contain all prefabricate products and new adding products

Order \_list: the order list of the customer and the feedback paper of customer.

1. Main Relationships:



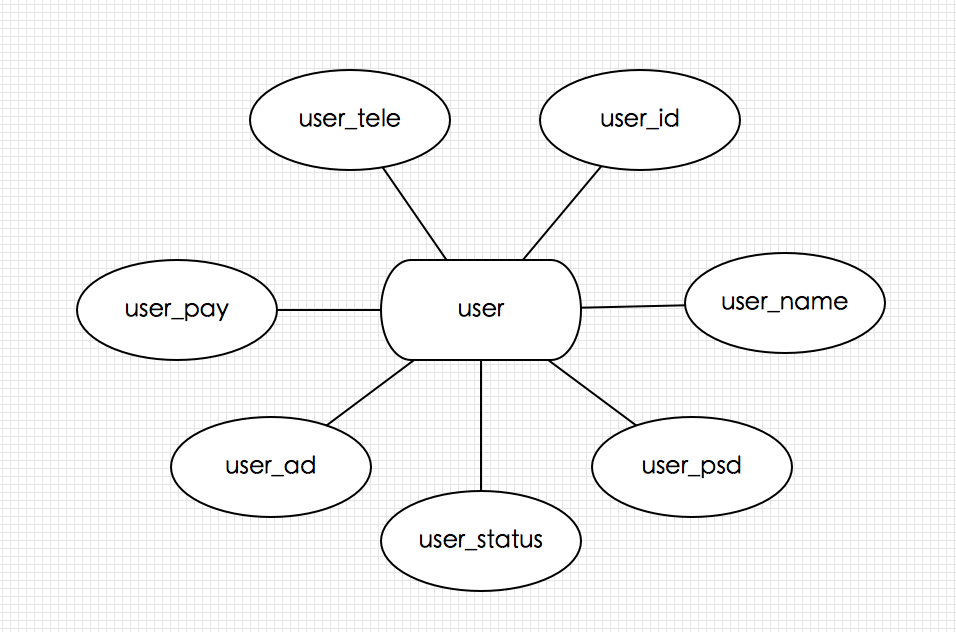
Products can be customized by Users. (Products : Users= n : 1);

Users can buy deferent kinds of products. (User : Products = n : m)

User(admin) can manage the account of other User ( User(ad) : User =n’ : n)

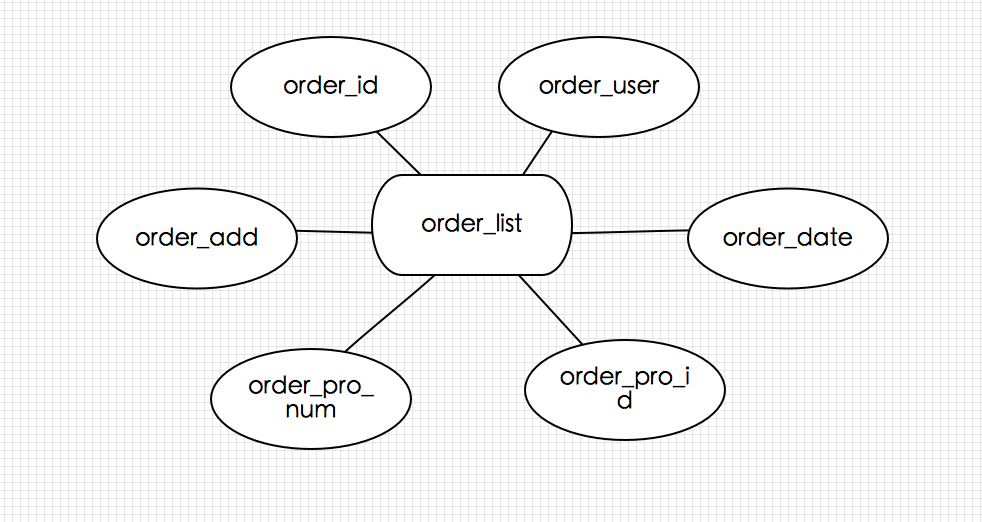
User can generate many kinds of order *lists . (User : order* \_lists = 1 : n)

1. User:



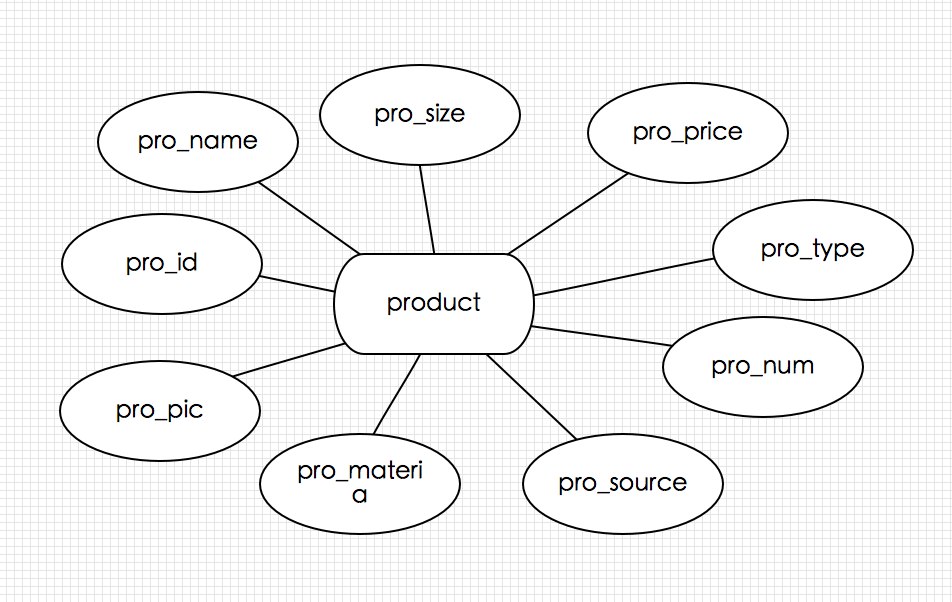
Including 7 main attributes: (user \_id is primary key)

1. Order:



Including 6 main attributes: (order \_id is primary key)

1. Product:



Including 9 main attributes: (pro \_id is primary key)

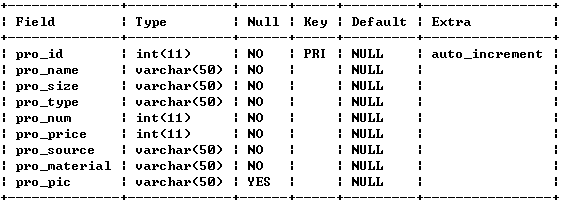
1. **SQL Statements for basic Requirements**

2.1 Basic Tables

1. Product

CREATE TABLE product(

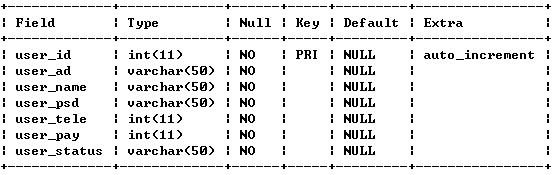
* pro\_id int NOT NULL AUTO\_INCREMENT,
* pro\_name varchar(50) NOT NULL,
* pro\_size varchar(50) NOT NULL,
* pro\_type varchar(50) NOT NULL,
* pro\_num int NOT NULL,
* pro\_price int NOT NULL,
* pro\_source varchar(50) NOT NULL,
* pro\_material varchar(50) NOT NULL,
* pro\_pic varchar(50) default NULL,
* PRIMARY KEY(pro\_id)
* );



1. User

CREATE TABLE user(

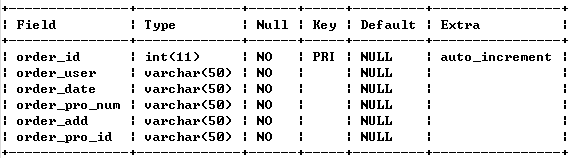
* user\_id int NOT NULL AUTO\_INCREMENT,
* user\_ad varchar(50) NOT NULL,
* user\_name varchar(50) NOT NULL,
* user\_psd varchar(50) NOT NULL,
* user\_tele int NOT NULL,
* user\_pay int NOT NULL,
* user\_status varchar(50) NOT NULL,
* PRIMARY KEY(user\_id)
* );



1. Order List

CREATE TABLE order\_list(

* order\_id int NOT NULL AUTO\_INCREMENT,
* order\_user varchar(50) NOT NULL,
* order\_date varchar(50) NOT NULL,
* order\_pro\_num varchar(50) NOT NULL,
* order\_add varchar(50) NOT NULL,
* order\_pro\_id varchar(50) NOT NULL,
* PRIMARY KEY(order\_id)
* );



2.2 User and Administrator Operations

2.2.1 User Operations

(1)Register

INSERT INTO user(

* user\_name,user\_psd,user\_ad,user\_tele,user\_pay,
* user\_status)
* VALUES
* (’Ming’,’123456’,’XXSTREET’,12345678912,654321,
* ’0’);

(2)Customize

INSERT INTO product(

* pro\_name,pro\_size,pro\_type,pro\_num,pro\_price,
* pro\_source,pro\_material,pro\_pic)
* VALUES
* (’Craft’,’11cm\*11cm’,’Toy’,100,100,’user\_id’,
* ’cloth’,’picture\_path’);

(3)Generate Order

INSERT INTO order

* (order\_user,order\_date,order\_pro\_num,
* order\_pro\_id,order\_add)
* VALUES
* (user\_id,’date’,’12/45’,’pro\_id/pro\_id’,’Hello’);

(4)Delete Order

DELETE FROM order\_list

* WHERE user\_id='user\_id' and order\_id='order\_id';

(5) Delete Product Customized

DELETE FROM product

* WHERE user\_id='user\_id' and pro\_id='pro\_id';

1. Search Products

SELECT \* FROM product;

1. Check Orders

SELECT FROM order\_list WHERE user\_id='user\_id';

2.2.2 Administrator (special user) Operations

(1)Register

INSERT INTO user(

* user\_name,user\_psd,user\_ad,user\_tele,user\_pay,
* user\_status)
* VALUES
* (’Ming’,’123456’,’XXSTREET’,12345678912,654321,
* ’1’);

(2) Modify Information of Users

UPDATE user SET user\_name='user\_name'

* where user\_id='user\_id';

(3) Delete users' orders

DELETE FROM order\_list

* WHERE order\_id='order\_id';

1. Delete users' Products Customized

DELETE FROM product

* WHERE pro\_id='pro\_id';

1. **Web page navigation diagram**
2. Web Page Design & Relationship

***Login:***

Users input their own username and password then he can do all options in the website.

***Register:***

Users can set the username and password to found a new account. And complete other individual information (address, telephone number)

***Product:***

Product page lists the product information (product name, product type, product amount, product master’s information, product material)

***My account***：

Customers can check the product information they have already bought including the products they have customized before or their own shopping cart. They can modify the order they have already paid like cancel order and change product.

***Customization：***

In this page customer can customize their products by providing products type, size, quantity, material and other specific demand)

***Administrator***：

Administrator page can check the user information, order information and product information.

1. Pages Jumping Trace Routine

