We can use here to search product by description, for example, “book”, it will show all books which description and name include “book”

Use search server

This is login, use auth server

This is register, use auth server



This is shopping cart

Use cart server

This is my order for checking the order history

Use order server

This one to check the coupons

Use coupon server

This one uses for buying thing in a limited time and lower price

Use seckill server

This is menu, It shows all the category in this website. It has three level

Use order product

1. For login with pass word and user name:

user

Auth service

User send request to auth

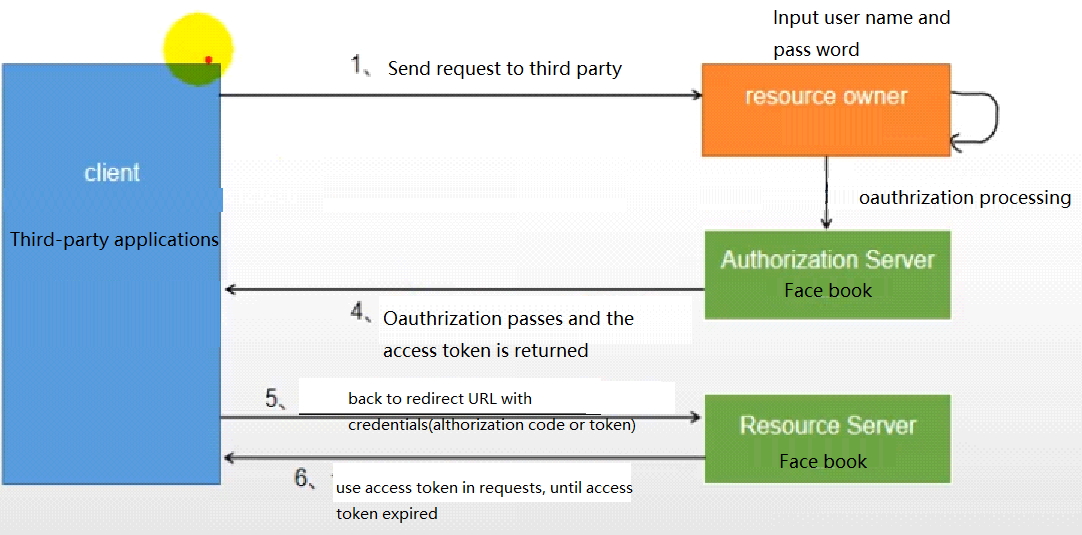
Auth send request to member service to check the authority

Member service

If the user name and password correct, go to the homepage, save a token in the cookie

if not correct, go to the login page, and show the error

1. For login with oauth2.0:





* If have not used the social account to logged in before, then use the token to call the open API to obtain the authorization information, register and return the result
* If have logged in before, update the token and return the result



Limit request time:

In Redis, use phone-code as the key to store the phone number, verification, and the current time, and set this data valid time in redis for 10 minutes.

if user want to get the code again, we need to check the redis first, if the storage time is less than 60 seconds, the user need to wait.

When after 60 seconds, use want to get the code again, first delete the phone-code in redis

Use JSR303 for verification, use Binding Result to encapsulate the error information and redirect it to the registration page

If the JSR303 verification is passed, check whether the verification code is correct from redis. If the verification code is correct, the user is redirected to the login page; otherwise, the error information returned by the encapsulation from remote service and go to registration page

The product service

