**Intermediate programming practice**



**Big Homework**

**Tianjin University**

**International students**

**Group 01**

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**Online Webstore:**

We are creating our online development site for selling products. Selling products will be like shoes or clothes or any other things which will have a size.

**Analysis on facing problems:**

It will be a problem while managing the interface of our site. So, we can divide it into 3 parts:

* Admin panel
* Registered panel (for buyers)
* Unregistered panel (for general people)

**Admin panel:** The admin can control the whole interface. He/she can edit the login setup, add or delete any products. In a word he/she has the full legal control.

**Registered panel:** This is for the users who are registered and verified. They can access the login and purchase products and also can keep the chosen products in Wishlist to decide later.

**Unregistered panel:** It’s for the people who are not verified. They can see the products but cannot have any control over the site.

**Project overview:**

Admin\_ has access on registered users. He/she can manage products storage and stats of selling and adding products.

Registered user\_choose and buy items.

Unregistered user\_only can watch products.

Products storage\_will contain the products.

Technologies: spring, spring data, spring security.

Request: JSON

Response: JSON

URL: <http://127.0.0.1:8081/admin/auth>

**Body:**

{

"username” : "Razu",

"password" : "anything"

}

**Response:**

{

"token" :"eyJhbGciOiJIUzUxMiJ9.eyJzdWIiOiJLYXRlTmV3IiwiZXhwIjoxNTkxMjY1ODI5fQ.1IbhRjy4WjwQzgxoHM2aqaWHh611Z3MPVnosy3HMkn00GgNo7xxKujD0uX6sTPOM2x-vAf3eUr93NDzZjsQ8EA"

}

**URL:**

**Admin:**

/admin /admin/storage/all

/admin/signup /admin/item/sold

/admin/auth /admin/item/sold/period

/admin/item/all /admin/users/delete

/admin/item/add

/admin/item/delete

/admin/item/category

/admin/item/gender

/admin/storage

/admin/storage/add

**User:**

/webmarket/user/signin

/webmarket/user/signup

/webmarket/user/reserve

/webmarket/user/buy

/webmarket/user/wishlist

/webmarket/user/purchased

**Unregistered:**

/webmarket/catalog

/webmarket/catalog/category

/webmarket/catalog/item

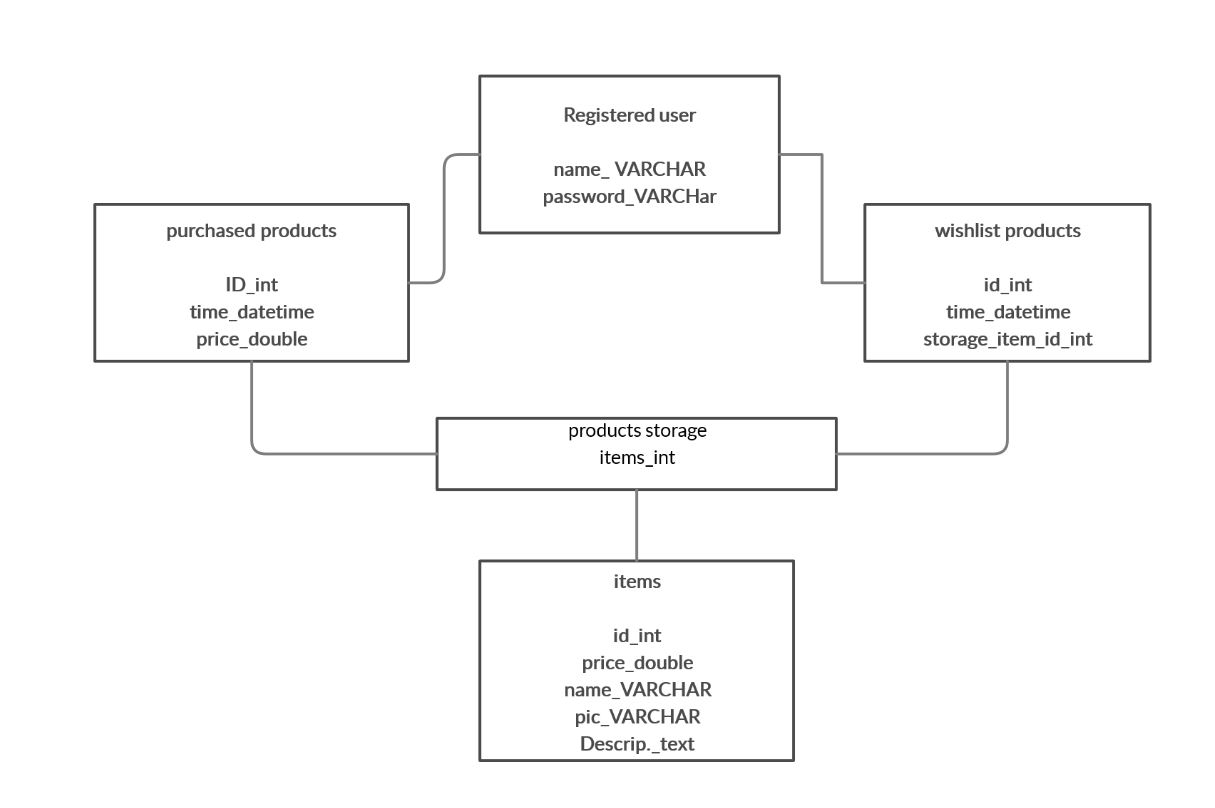
/webmarket/catalog/gender

/webmarket/catalog/size

**Database:**

File name “webmarket.sql”.it’s on GitHub

Diagram of database model:



we are having spring security to maintain logins and registration.

And Using Jwt to generate tokens.

**Work divisions:**

胡萨：

1. Implement security
2. Implement controller (API, Views)

View layer

1. Create Service layer

阿赫桑：

1. Create Entities. Model layer
2. Connect DB
3. Create Service layer