

## 1-Team registration

Submit Team Registration of our team

## 2-orderHistory

I am responsible for implementing the order history of each customer, order history displays all orders that current customer paid.

Once user enter this page, userId will be obtained from session, so that we can obtain all orders of current customer.

Each order will display seven properties, which are:

Order ID, Payment ID, Quantity of order, Total Price, Date,  
State of current order and a button called 'details >>>'

Button 'details>>>' will lead to viewOrder page that displays all details of current order.

## 3-viewOrder

viewOrder is a page that will display all details of an order, once we press the 'details>>>' button in orderHistory page, Order ID, Username, Payment ID, Date and State will be showed on the top of page.

Item ID of each model is displayed in the first column of table.

Quantity of each model is displayed in the second column of table.

Price of each model is displayed in the third column of table.

At last, total price of all models are displayed.

## 3-Log in to their account

I am also responsible for implementing user login.

There are three parts of user login:

### (1) -Persistent Login:

Persistent login ensure user can stay login all the time.

Session is obtained from current request, use (key, value) pair to store current user. User method session.setMaxInactiveInterval(-1) to ensure current session will never expire before user logout.

Every time session is obtained from request, we can use session.getAttribute method to extract current userId.

### (2) - Check Login

Check if user already login.

We get session from request, if session is null, it means user is not login, otherwise, we will loop cookies in the request, and check if user already login.

### (3) -Quit Login

This is an option provided to users so that they can logout their account.

We get session from request, if session is null, it means user is not login, otherwise, we will loop cookies in the request, and check if user already

login, if so, we use method `cookie.setMaxAge(0)` to delete cookie, and method `session.invalidate()` is used to delete session, then send current cookie back by using `response.addCookie(cookie)`.

## 4-Login to the marketplace.

Catalogue, modelDetail, orderHistory, shoppingCart and payment all use session to obtain current user information so that user related information can be obtained.

## 5-Test

I am responsible for testing program.

- (1) -check if all backend basic logic works normally.
- (2) -check edge case of each function, for example, i will check if two accounts can stay login at the same time and whether the shopping cart empty after payment successfully and so on.
- (3) -check layout of each page(CSS and HTML).
- (4) -check if all functions mentioned in project document are implemented properly.

I will record all problems during each test and report to my teammates.

## 6-Layout of orderHistory, viewOrder and orderReceipt with HTML and CSS