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Github link: https://github.com/NWEN304Group/GroupProject

Set up project

1: Use command > node app.js to start server.

2: Open browser and visit http://localhost:8080/

(We binding Facebook login URL to our Heroku URL, so Facebook login will not work on the local server.)

Using Heroku web service

https://nwen304-shopping-project.herokuapp.com

REST interface

URL + HTTP Verb	Parameters	Description	Response status and body (when successful)	Response status and body (when failed)
'/products/:category_id '+get	category_id	a page that show all products of one category	200 OK	500 message:"Internal Server Error" Request:/products/' +req.params.category_id
'/product/:product_id '+get	product_id	a page that show details of a product	200 OK	500 error:err, message:"Internal Server Error", request:'get /products/' +req.params.product_id

'/page/:page'+get	page	a page that show products that index is :page	200 OK	500 error:err,message:"Internal Server Error", request:'GET /page/'+ req.params.page
'/pagenotlogin/:page'+get	page	Get a page that show show products that index is :page with login buttons	200 OK	500 error:err,message:"Internal Server Error", request:'GET /pagenotlogin/'+ req.params.page
'/product/:product_id'+post	product_id User_id	add product to user's cart and update cart	200 OK	500 error:err,message:"Internal Server Error", request:'POST /product/'+ req.req.body.product_id
'/cart'+get	user._id	Show cart page	200 OK	500 error:err,message:"Internal Server Error", request:'GET /cart'
'/removeall'+post	user._id req.body.item	remove all quanlity of one product in cart	200 OK	500 error:err,message:"Internal Server Error", request:'POST /removeall'

'/removeone'+post	user._id req.body.item	Remove 1 quanlity of one product in cart	200 OK	500 error:err,message:"Internal Server Error", request:'POST /removeone'
'/payment' + get	User id	confirm payment	200 OK	error:err,message:"Internal Server Error", request:'GET /payment'

GET /	NaN	get index page of website	index web page 200 OK	404 Not Found
GET /login	NaN	get login page	login web page 200 OK	404 Not Found
POST /login	email and password	login user	profile page 200 OK	User not found/Password wrong 401 Bad Request
GET /profile	NaN	get profile page	profile page 200 OK	user not found 401 redirect to login page
POST /profile	name, address	update profile	profile page 200 OK	user not found 401 redirect to login page
GET /signup	NaN	get signup page	signup page 200 OK	404 Not Found
POST /signup	name, email, password	signup a new user	profile page 200 OK	email already exist 401 Bad Request redirect to profile page

Error handling has been implemented in our system

We added error handling for each interface in our server .

For example:

```
product
    .find({category: req.params.category_id})
    .populate('category')
    .exec(function (err, products) {
        if (err) {
            res.status(500).render('error_handle/errorpage',
                {
                    error:err,message:"Internal Server Error",
                    request:'get /products/'+req.params.category_id
                });
            return;
        }
        res.status(200).render('product/productsOfCategory', {
            productsFound: products
        });
    });
```

If error occurs, server will send an error page to client that shows some basic error information. Server will not crash when error occurs.