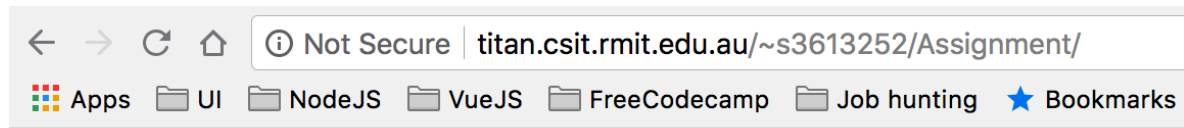= SEC Demo =
Student ID: s3613252
Student name: Jyh Woei Yang
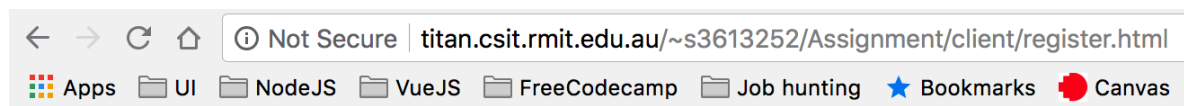
This is a SEC demo page!

Author: Tom (Jyh Woei Yang) (s3613252)

Let's go to login page or register page.
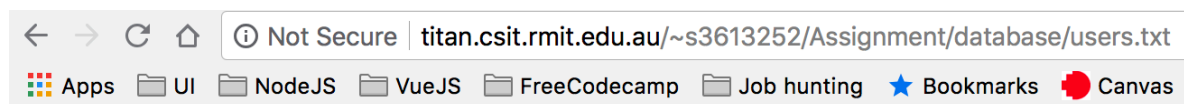
Register page:

SEC Assignment Register

Username: Tom

Password: ••••

Submit to register

Go back to login page

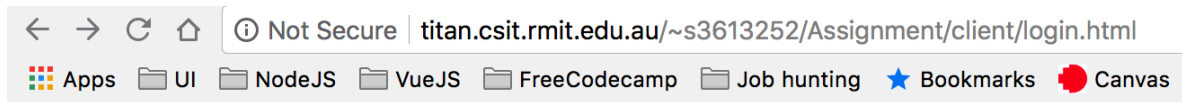After register, we go to see users.txt in the database
Password is hashed and encrypted

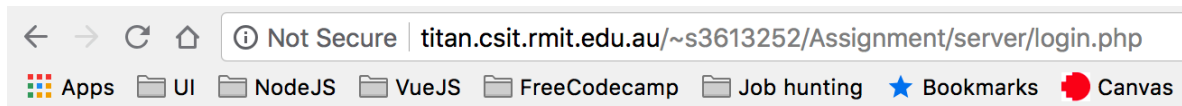Tom,0ffe1abd1a08215353c233d6e009613e95eec4253832a761af28ff37ac5a150c

Login page

SEC Assignment Login

Username: Tom

Password: ••••

Submit to Login

Go to register page

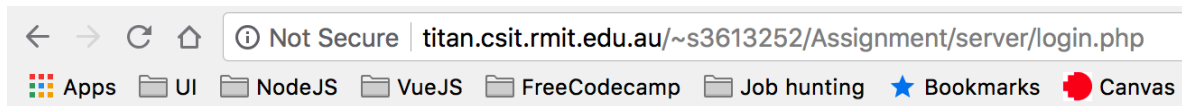## If wrong password

Wrong Password.
Go back to login or register, or check the users.txt

After successful login with correct username and password

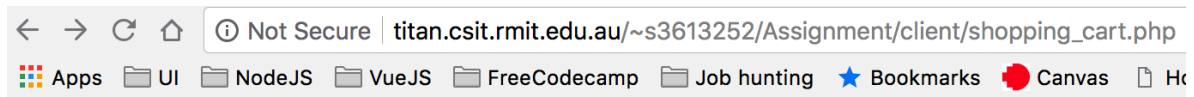Login successful.

Now you can access to the shopping cart page

Go back to login or register, or check the users.txt

We enter DES key, credit card number, and order information ready to submit

Hi! Tom. Welcome to your shopping cart
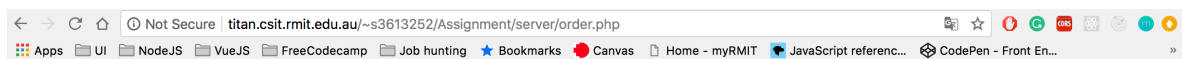
| Please enter your DES key: | 1111000011110000 |

| Credit Card Number: | 1234123412341234 |

Products	Price	Quantity	Subtotal
Product A	$10	1	0
Product B	$15	2	0
Product C	$20	2	0
	Total	**0**	**0**

Submit

Log out

At the server, we will see Received encrypted DES key,
Recovered DES key,
Encrypted credit card number and order information by DES key,
and Recovered credit card number and order information by DES key.

Information of your order

Products	Price	Quantity	Subtotal
ProductA	10	3	30
ProductB	15	3	45
ProductC	20	3	60
	Total	9	135

Received encrypted DES key:
jrcipuB71RlYKL+BTr5Sa8e/XljSCKdpTWmhWHxcNnHFDA3pyisBShvBoyMo1mIj01/zzDsyDMe9H3w5uGOGxbpBqYRRBFJilxhqUsuYvYhkswSvJYEvvAhr9CprD1KoM+MB0kaA8
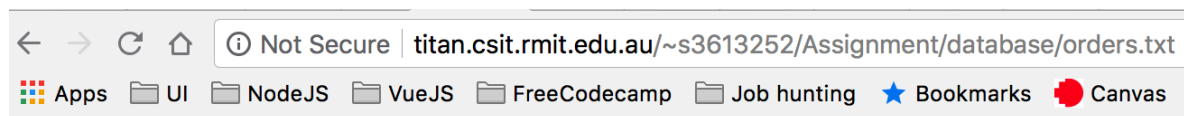
Recovered DES key: 1111000011110000

Received encrypted credit card number: 0x65d605b2102b963465d605b2102b9634

Recovered credit card number: 1234123412341234

You can go database to check this order

If the des key correct, we store order information in order.txt database.

```
*********************************************
Client: Tom
Ordered quantity information:
ProductA: 1 ($10 each)
ProductB: 2 ($15 each)
ProductC: 2 ($20 each)
Total price: 80
Credit card number: 1234123412341234
```

Course Experience Survey

Subject	Status
INTE1070 - Secure Electronic Commerce	Completed
INTE2401 - Cloud Security	Completed
COSC2615 - Advanced Professional Development	Completed
COSC1285 - Algorithms and Analysis	Completed