

# CT4009 Introduction to Web Development

## Lab Work (Semester 1 Week 1)

In this lab work, we will create the following basic web pages (contain only text contents) of a “online buy and sell” website:

- Page 1 : Login Page
- Page 2 : Registration Page
- Page 3 : Sell Item Page
- Page 4 : List my items for sale Page
- Page 5 : List all items for sale Page
- Page 6 : Buy an Item page

We will use the simplest text editor “Notepad” as development tool. This lab work consists of 4 steps below:

### Step 1 : Create folders

Create a new folder in your “N:” drive, name it “CT4009”, then a subfolder “labwork” within “CT4009” and then another subfolder “OnlineBuySell- Wk1 2017” within “labwork”. Create the following subfolders within “OnlineBuySell-Wk1 2017”

- “LoginPage”
- “RegistrationPage”
- “SellItemPage”
- “ListAllItemsPage”
- “BuyItemPage”

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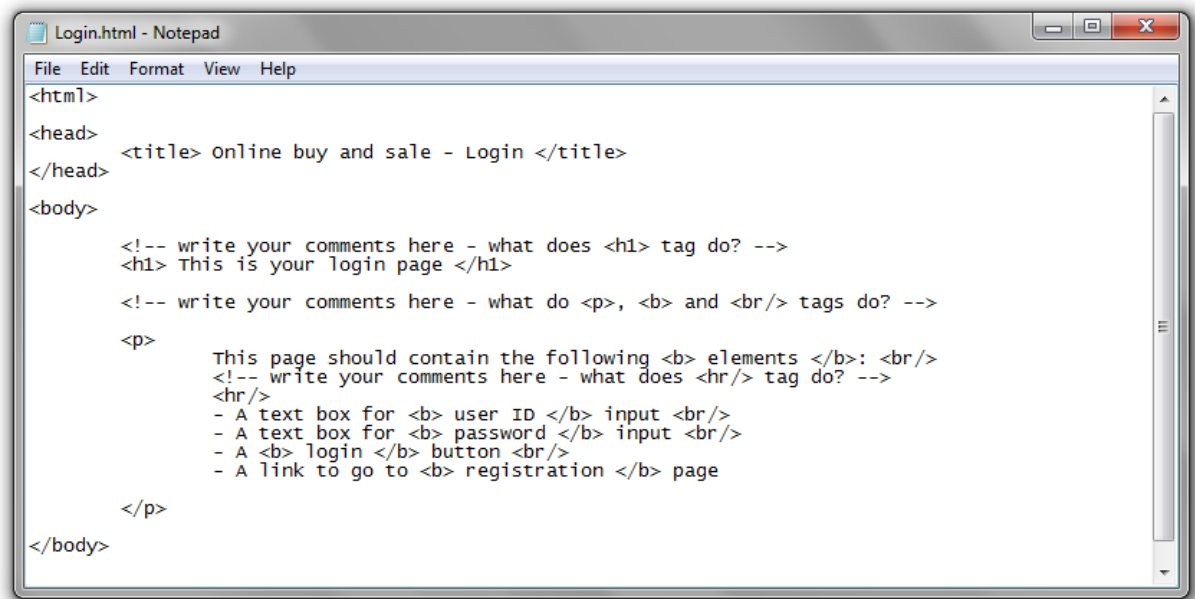
## Step 2 : Create Login.html

### 2.1 Start up Notepad

You can find this by going to “ Start -> All Programs (or Programs) -> Accessories -> Notepad”

### 2.2 Code for Login page

Type the following code below (don't forget to use indentation and to write comments about the html tags indicated in the code):



```
Login.html - Notepad
File Edit Format View Help
<html>
<head>
  <title> online buy and sale - Login </title>
</head>
<body>
  <!-- write your comments here - what does <h1> tag do? -->
  <h1> This is your login page </h1>

  <!-- write your comments here - what do <p>, <b> and <br/> tags do? -->

  <p>
    This page should contain the following <b> elements </b>: <br/>
    <!-- write your comments here - what does <hr/> tag do? -->
    <hr/>
    - A text box for <b> user ID </b> input <br/>
    - A text box for <b> password </b> input <br/>
    - A <b> login </b> button <br/>
    - A link to go to <b> registration </b> page
  </p>
</body>
```

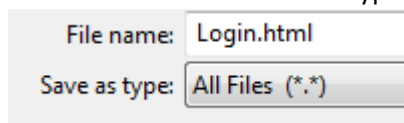
### 2.3 Save File

2.3.1 Go to the File menu and select save as.


2.3.2 Select the folder “N: CT4009/labwork/OnlineBuySell- Wk1 2017/LoginPage”

2.3.3 Write **Login.html** in the “File name” text box as in the picture below

2.3.4 Make sure that the “Save as type” drop down has **All Files** selected as in the picture below



### 2.4 Open Login.html in a web browser

Click Windows Start button , select Computer, then locate “N: CT4009/labwork/OnlineBuySell- Wk1 2017/LoginPage” folder. Double-click **Login.html** file, the result should look something like below:

## This is your login page

This page should contain the following elements :

- 
- A text box for **user ID** input
  - A text box for **password** input
  - A **login** button
  - A link to go to **registration** page

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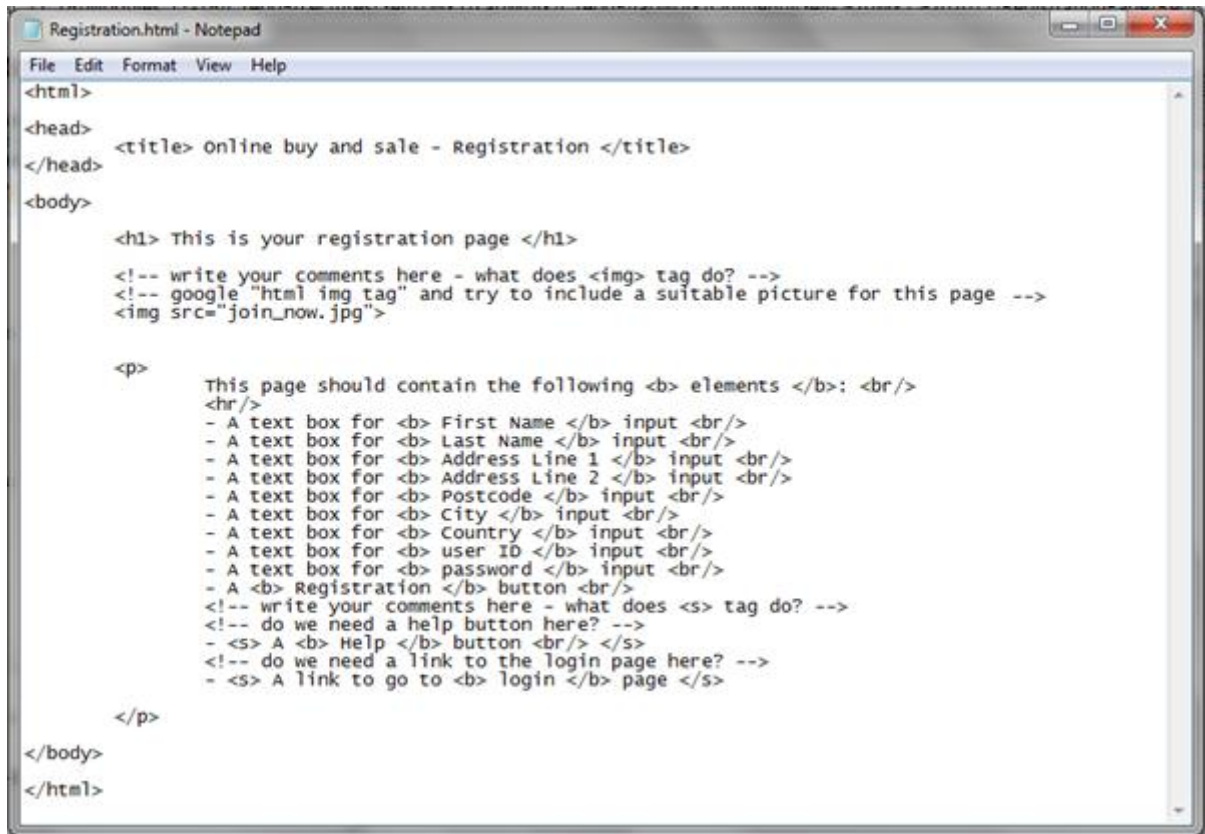
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## Step 3 : Create Registration.html

3.1 Follow step 2.1 to start up Notepad

3.2 Code for Registration page

Type the following code below (don't forget to use indentation and to write comments about the html tags indicated in the code):



```
<html>
<head>
  <title> online buy and sale - Registration </title>
</head>
<body>

  <h1> This is your registration page </h1>

  <!-- write your comments here - what does <img> tag do? -->
  <!-- google "html img tag" and try to include a suitable picture for this page -->
  

  <p>
    This page should contain the following <b> elements </b>: <br/>
    <hr/>
    - A text box for <b> First Name </b> input <br/>
    - A text box for <b> Last Name </b> input <br/>
    - A text box for <b> Address Line 1 </b> input <br/>
    - A text box for <b> Address Line 2 </b> input <br/>
    - A text box for <b> Postcode </b> input <br/>
    - A text box for <b> City </b> input <br/>
    - A text box for <b> Country </b> input <br/>
    - A text box for <b> user ID </b> input <br/>
    - A text box for <b> password </b> input <br/>
    - A <b> Registration </b> button <br/>
    <!-- write your comments here - what does <s> tag do? -->
    - <s> A <b> Help </b> button <br/> </s>
    <!-- do we need a link to the login page here? -->
    - <s> A link to go to <b> login </b> page </s>

  </p>
</body>
</html>
```

3.3 Save File


3.3.1 Go to the File menu and select save as.

3.3.2 Select the folder "N: CT4009/labwork/OnlineBuySell- Wk1 2017/RegistrationPage"

3.3.3 Write **Registration.html** in the "File name" text box

3.3.4 Make sure that the "Save as type" drop down has **All Files** selected

3.4 Open Registration.html in a web browser

Click Windows Start button , select Computer, then locate "N: CT4009/labwork/OnlineBuySell- Wk1 2017/RegistrationPage" folder. Double-click **Registration.html** file, the result should look something like next page:

## This is your registration page



This page should contain the following **elements** :

- 
- A text box for **First Name** input
  - A text box for **Last Name** input
  - A text box for **Address Line 1** input
  - A text box for **Address Line 2** input
  - A text box for **Postcode** input
  - A text box for **City** input
  - A text box for **Country** input
  - A text box for **user ID** input
  - A text box for **password** input
  - A **Registration** button
  - ~~A **Help** button~~
  - ~~A link to go to **login** page~~

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**Step 4: Create rest of the pages (sell an item, list my items, list all items, buy an item) by considering the following:**

- Try to use a different editor (e.g. notepad++ or brackets). If these editors aren't installed in the lab machines, you can download from online.
- Identify the elements you need for each page and write about the elements in your code
- Don't forget to indent your code
- Write as much comment as you can
- Explore other HTML tags here:

<https://www.w3schools.com/TagS/>

w3schools website has a "tryit" editor - discover and use it.