

Enterprise Application Development

Lab Test 1B


Rules:

1. Students can use Canvas and Internet for reference. Students can bring an A4 paper hand written in 2 sides.
2. Students put all the files into a folder, zip it and submit the zipped file.
3. Sharing or disclosing lab test questions are prohibited.

Time: 75 minutes

Question 1 (10 marks). Define a html **q1.html** with the following structure. Students do not need to use any CSS. They can use a table to format the form.

Novell Services Login

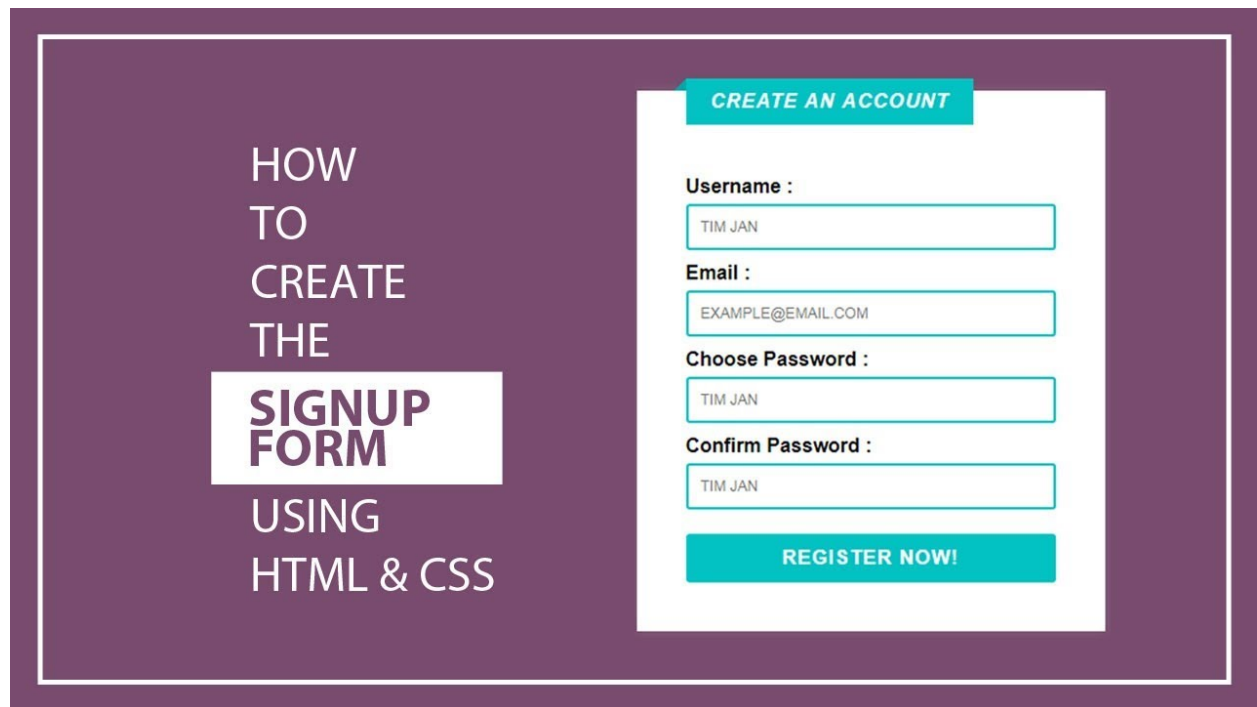
Username:	<input type="text"/>
Password:	<input type="password"/>
City of Employment:	<input type="text"/>
Web server:	<input type="text" value="— Choose a server —"/> 

Please specify your role:	<input type="radio"/> Admin
	<input type="radio"/> Engineer
	<input type="radio"/> Manager
	<input type="radio"/> Guest

Single Sign-on to the following:	<input type="checkbox"/> Mail
	<input type="checkbox"/> Payroll
	<input type="checkbox"/> Self-service

<input type="button" value="Login"/>	<input type="button" value="Reset"/>
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Question 2 (10 marks). Define a web page **q2.html** that looks like the following:



Students can guess the font size and font family to make sure that the web page looks as exactly the sample as they can.

Question 3 (10 marks). Define a web page **q3.html** to offer online live bitcoin conversion service.

There is a **textbox** to enter an amount of money and click the **Convert button** to convert from normal currencies to Bitcoin and vice versa. Make sure you validate the input before conversion.

Bitcoin \Rightarrow USD, EURO, POUND

USD, EURO, POUND \Rightarrow Bitcoin

Students must use the online API for bitcoin offered at

<https://api.coindesk.com/v1/bpi/currentprice.json>

Students must use fetch to get and display data.

```
{
  "time":{
    "updated":"Apr 15, 2021 03:58:00 UTC",
```

```
    "updatedISO":"2021-04-15T03:58:00+00:00",
    "updateduk":"Apr 15, 2021 at 04:58 BST"
  },
  "disclaimer":"This data was produced from the CoinDesk Bitcoin
Price Index (USD). Non-USD currency data converted using hourly
conversion rate from openexchangerates.org",
  "chartName":"Bitcoin",
  "bpi":{
    "USD":{
      "code":"USD",
      "symbol":"$&#36;",
      "rate":"63,082.9950",
      "description":"United States Dollar",
      "rate_float":63082.995
    },
    "GBP":{
      "code":"GBP",
      "symbol":"&pound;",
      "rate":"45,801.0931",
      "description":"British Pound Sterling",
      "rate_float":45801.0931
    },
    "EUR":{
      "code":"EUR",
      "symbol":"&euro;",
      "rate":"52,685.0249",
      "description":"Euro",
      "rate_float":52685.0249
    }
  }
}
```