

# Learn Asp.Net

RoJeA

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# 前端/後端/全端工程師?(XXX Stack Engineer)

- 設計師<->前端工程師<->後端工程師
- 前端(基礎的美感):
  - CSS+HTML架構+設計(網站設計、切版、功能特效、下拉選單、橫幅、確認按鈕與表單等等)
  - 代表語言：HTML, CSS, Javascript
  - 常用工具與技術：jQuery, mootools, AngularJS, ReactJS, Gulp 等
- 後端工程師 (程式應用的邏輯、效能與穩定性)
  - 伺服器上的運算(網站的基底程式語言、資料庫管理與規劃或者伺服器架設與架構規劃 (framework))
  - 伺服器軟體+程式語言+資料庫
  - 代表語言：PHP, Ruby, Python, ASP .NET, JAVA, Node.js
  - 常用伺服器軟體：Apache, NginX, Node.js, LightHttpd
  - 常用資料庫：MySQL, MariaDB, PostgreSQL, MSSQL, Oracle, Sqlite
- 全端(Full Stack)：MIS(Management Information System)+前端+後端

# 網站基礎概念(Basic Concept & Asp.net Structure)

- Aspx(where you put the html pages)
- JavaScript : JavaScript is the programming language of HTML and the Web.
- CSS: CSS is a language that describes the style of an HTML document.(💬)
- Relationship Between the SIBLINGS:
  - Aspx, C# : Sent From Client To Server to Calculate(.aspx to .cs➡ 1 to 1)
  - JS, CSS : Calculated Directly in Client Side(files cache on the client)
  - C#↔JS(To sent data from back(front) stage to front(back) stage)

# 網站基礎概念(Basic Concept)

1

## Domain Name

Your address on the web. It's the part that comes between "http://www." and ".com".



2

## Hosting

Where all the data and information about your site is kept. If the domain is your street address, hosting is your house.



3

## Platform

The tools with which you make your website and the space in which it's created.



# 網頁基礎概念(HTML Basic Concept)

- 文件物件模型（**Document Object Model, DOM**）
  - 是 **HTML**、XML 和 SVG 文件的程式介面。它提供了一個文件（樹）的結構化表示法，並定義讓程式可以存取並改變文件架構、風格和內容的方法。**DOM** 提供了文件以擁有屬性與函式的節點與物件組成的結構化表示。節點也可以附加事件處理程序，一旦觸發事件就會執行處理程序。本質上，它將網頁與腳本或程式語言連結在一起。
  - 雖然常常使用 **JavaScript** 來存取 **DOM**，但它本身並不是 **JavaScript** 語言的一部分，而且它也可以被其他語言存取（不常見）。

• [https://developer.mozilla.org/zh-TW/docs/Web/API/Document\\_Object\\_Model](https://developer.mozilla.org/zh-TW/docs/Web/API/Document_Object_Model)

# 環境介紹(Who I am? Where am I? Why am I being here? )

- 開發環境(寫code)
  - IDE(Integrated Development Environment)
    - Visual Studio
    - Eclipse
    - NetBeans
    - Dreamweaver
  - 純文字編輯器
    - Visual Studio Code
    - Notepad：Windows 內建的記事本
    - Notepad++
    - Sublime Text
    - Vim(神人OAO)
- 執行環境(網頁伺服器)

# JS Basic

- 轉為日期格式 [Date.parse\(\)](#)



# 資料傳遞(Data Passing Method & Order)(1)

- HTML:
  - `<input type="submit" runat="server" class="btn btn-sm-3 btn-outline btn-wd" id="performanceSearch" value="查詢" onServerclick="ServerClick"/>`
- JS:
  - `<head runat="server">`
  - `<meta http-equiv="Content-Type" content="text/html; charset=utf-8"/>`
  - `<title></title>`
  - `<script type="text/javascript">`
  - `//document.getElementById('date0').value`
  - `var i = <%=tVal%> ;`
  - `alert(i);`
  - `function AnotherFunction()`
  - `{`
  - `alert("This is another function");`
  - `}`
  - `</script>`
  - `</head>`

# 資料傳遞(Data Passing Method & Order)(2)

- C#:
  - `protected void ServerClick(object sender, EventArgs e)`
  - `{`
  - `tVal = Text.Value.ToString();`
  - `Page.ClientScript.RegisterStartupScript(this.GetType(), "myScript",`  
`"AnotherFunction();", true);`
  - `}`

# 資料傳遞(Data Passing Method & Order)(3)

- [ASP.NET][DropDownList](note)常用語法
  - DropDownList很好用也很常用，但是常常有「控制」不好的問題，有時直接搭配sqldatasource做為資料來源，但又想手動加入一些項目，就必須用程式來控制了，搜集如下，
  - 在最後一個項目添加：  
`DropDownList.Items.Add("text");`  
`DropDownList.Items.Add(new ListItem("text","value"));`
  - 在指定的位置添加一項目：  
`DropDownList.Items.Insert(index, new ListItem("text","value"));`  
(index請改成數字)
  - 移除指定的項目：  
`DropDownList.Items.Remove("text");`  
`DropDownList.Items.RemoveAt(index);`
  - 移除所有的項目：  
`DropDownList.Items.Clear();`
  - 項目的總數：  
`DropDownList.Items.Count();`

# 資料傳遞(Data Passing Method & Order)(4)

- WHY DROPDOWNLIST SELECTEDVALUE NOT WORKING INSIDE SELECTEDINDEXCHANGED EVENT?
  - <https://taditdash.wordpress.com/2014/05/21/why-dropdownlist-selectedvalue-not-working-inside-selectedindexchanged-event/>

# 資料傳遞(Data Passing Method & Order)(5)

- javascript] 取得 RadioButtonList 選項值 (ASP.Net 控制項)
  - var selValue;
  - var rbl = document.getElementById("RadioButtonList1");
  - 
  - for (var i = 0; i < rbl .rows.length; i++)
  - {
  - if(rbl .rows[0].cells[i].childNodes[0].checked)
  - {
  - selValue= rbl .rows[0].cells[i].childNodes[0].value;
  - }
  - }
- 要注意的是，這裡的RadioButtonList是用水平橫式的(Horizontal)，
- 如果用直式的(Vertical)，table.rows[0].cells[i]要改為table.rows[i].cells[0]。

# DropDownList

- 在最後一個項目添加：  
    `DropDownList.Items.Add("text");`  
    or  
    `DropDownList.Items.Add(new ListItem("text","value"));`  
  
    在指定的位置添加一項目：  
    `DropDownList.Items.Insert(index, new ListItem("text","value"));`  
    (index請改成數字)
- 移除指定的項目：  
    `DropDownList.Items.Remove("text");`  
    or  
    `DropDownList.Items.RemoveAt(index);`  
  
    移除所有的項目：  
    `DropDownList.Items.Clear();`  
  
    項目的總數：  
    `DropDownList.Items.Count();`

# Asp.net檔案上傳

- asp.net檔案上傳解決方案（圖片上傳、單檔案上傳、多檔案上傳、檢查檔案型別）
  - <https://codertw.com/%E5%89%8D%E7%AB%AF%E9%96%8B%E7%99%BC/220627/>



ASPCSharpUpload.zip

# 登入驗證

- Get started with ASP.NET Identity
  - <https://docs.microsoft.com/en-us/aspnet/identity/overview/getting-started/introduction-to-aspnet-identity#get-started-with-aspnet-identity>



# [C#]How to: **Redirect** Users to Another Page

- **To redirect a user to another page by using the browser**

- `Response.BufferOutput = true;`
- `if (UserLanguage == "English")`
- `{`
- `Response.Redirect("http://www.microsoft.com/gohere/look.htm");`
- `}`
- `else if (UserLanguage == "Deutsch")`
- `{`
- `Response.Redirect("http://www.microsoft.com/gohere/look_deu.htm");`
- `}`
- `else if (UserLanguage == "Español")`
- `{`
- `Response.Redirect("http://www.microsoft.com/gohere/look_esp.htm");`
- `}`

# [C#]How to: Redirect Users to Another Page

- To redirect users to another page by using a server-side method
- ```
protected void Button1_Click(object sender, System.EventArgs e)
```
- ```
{
```
- ```
    Server.Transfer("Page2.aspx", true);
```
- ```
}
```

# [C#] When TextBox.Text not number, Change background Color

- Not Number

- `// IsNumeric Function`
- `// 資料來源 : http://support.microsoft.com/kb/329488/zh-tw`
- `static bool IsNumeric(object Expression)`
- `{`
- `// Variable to collect the Return value of the TryParse method.`
- `bool isNum;`
- 
- `// Define variable to collect out parameter of the TryParse method. If the conversion fails, the out parameter is zero.`
- `double retNum;`
- 
- `// The TryParse method converts a string in a specified style and culture-specific format to its double-precision floating point number equivalent.`
- `// The TryParse method does not generate an exception if the conversion fails. If the conversion passes, True is returned. If it does not, False is returned.`
- `isNum = Double.TryParse(Convert.ToString(Expression), System.Globalization.NumberStyles.Any, System.Globalization.NumberFormatInfo.InvariantInfo, out retNum);`
- 
- `return isNum;`
- `}`

# [C#] When TextBox.Text not number, **Change background Color**

- **Change TextBox Background Color**

- `protected void TextBox1_TextChanged(object sender, EventArgs e)`
- `{`
- `String A = TextBox1.Text;`
- `if (IsNumeric(A) == true)`
- `{`
- `TextBox1.BackColor = System.Drawing.Color.Blue;`
- `}`
- `else`
- `{`
- `TextBox1.BackColor = System.Drawing.Color.Red;`
- `}`
- `}`