

Visual Web Development

Terry Marris September 2008

1 Hello World

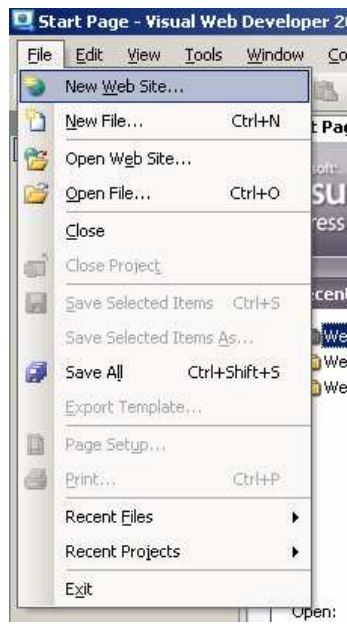
The first program in any programming language displays the words *Hello World* on the screen. To create it we need to load the program development environment, enter the text, run the program and see what the output looks like.

1.1 Load the Program Development Environment

We load Microsoft Visual Web Developer (or Microsoft Visual Studio.NET) from the Start Menu.

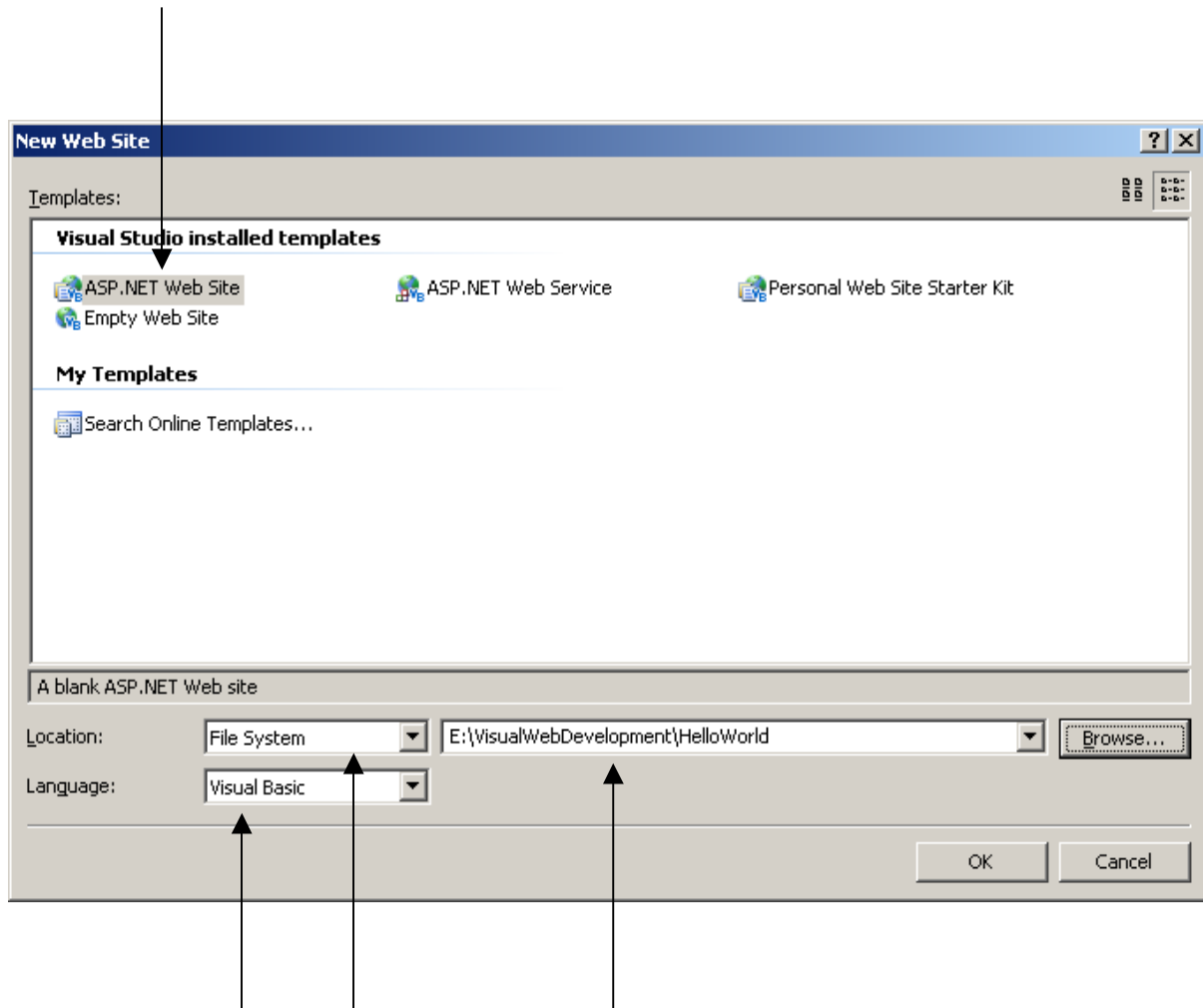


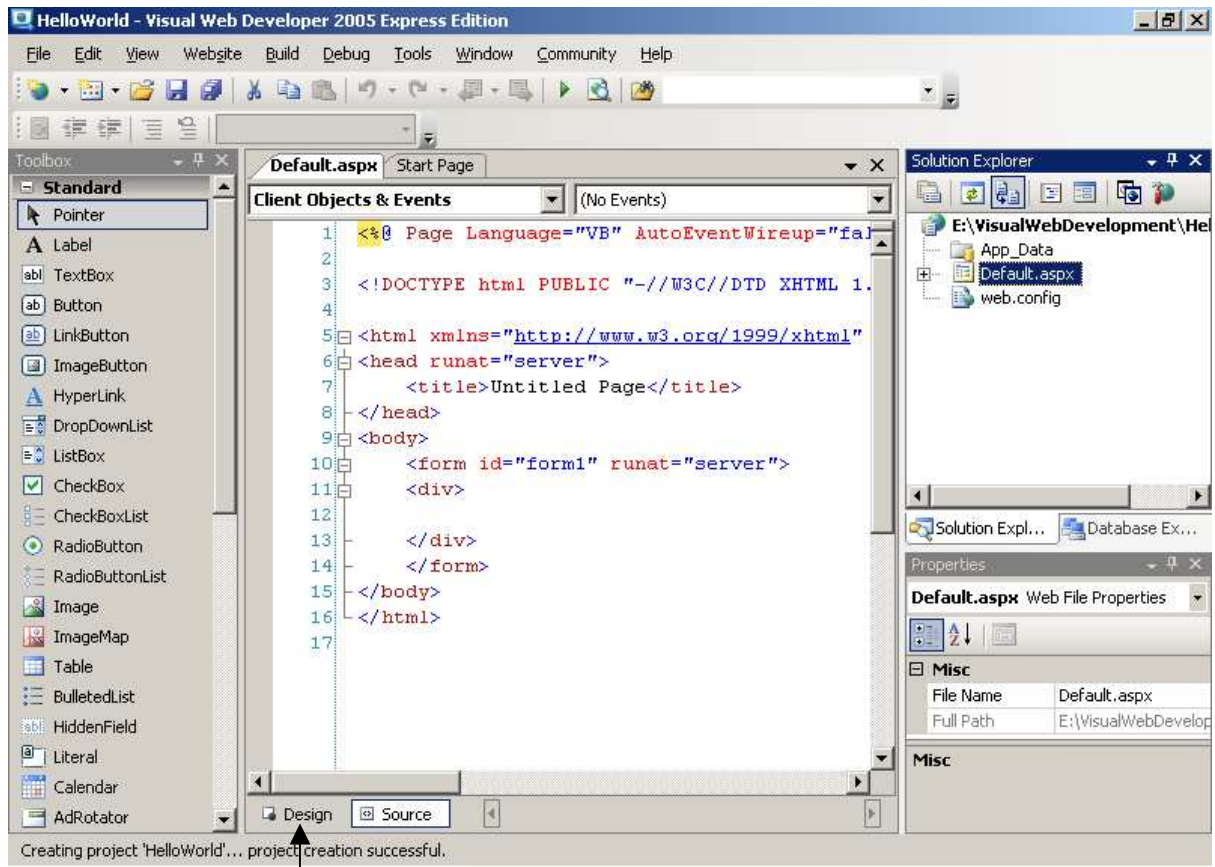
And choose File, New Website



Select:

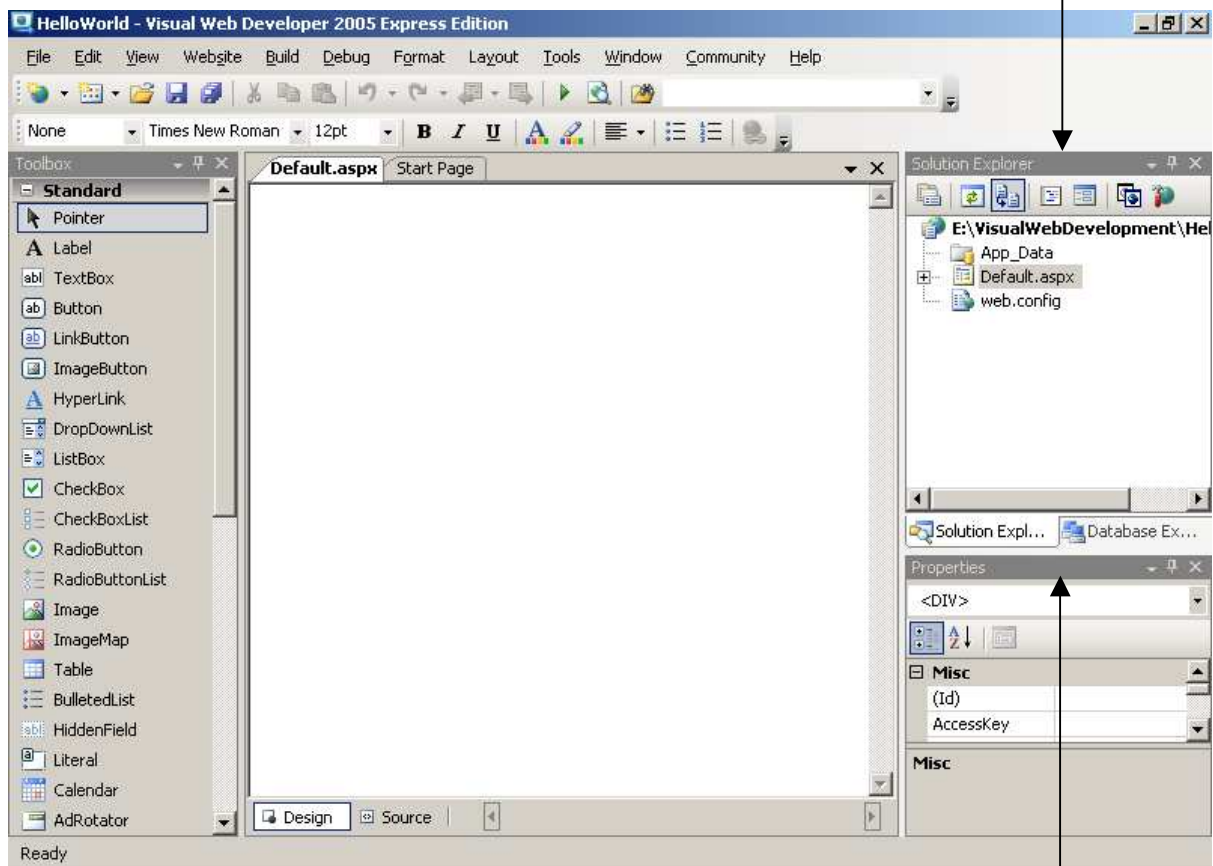
- Template: ASP.NET Web Site
- Location: File System and browse to a folder with a descriptive name for your website
- Language: Visual Basic





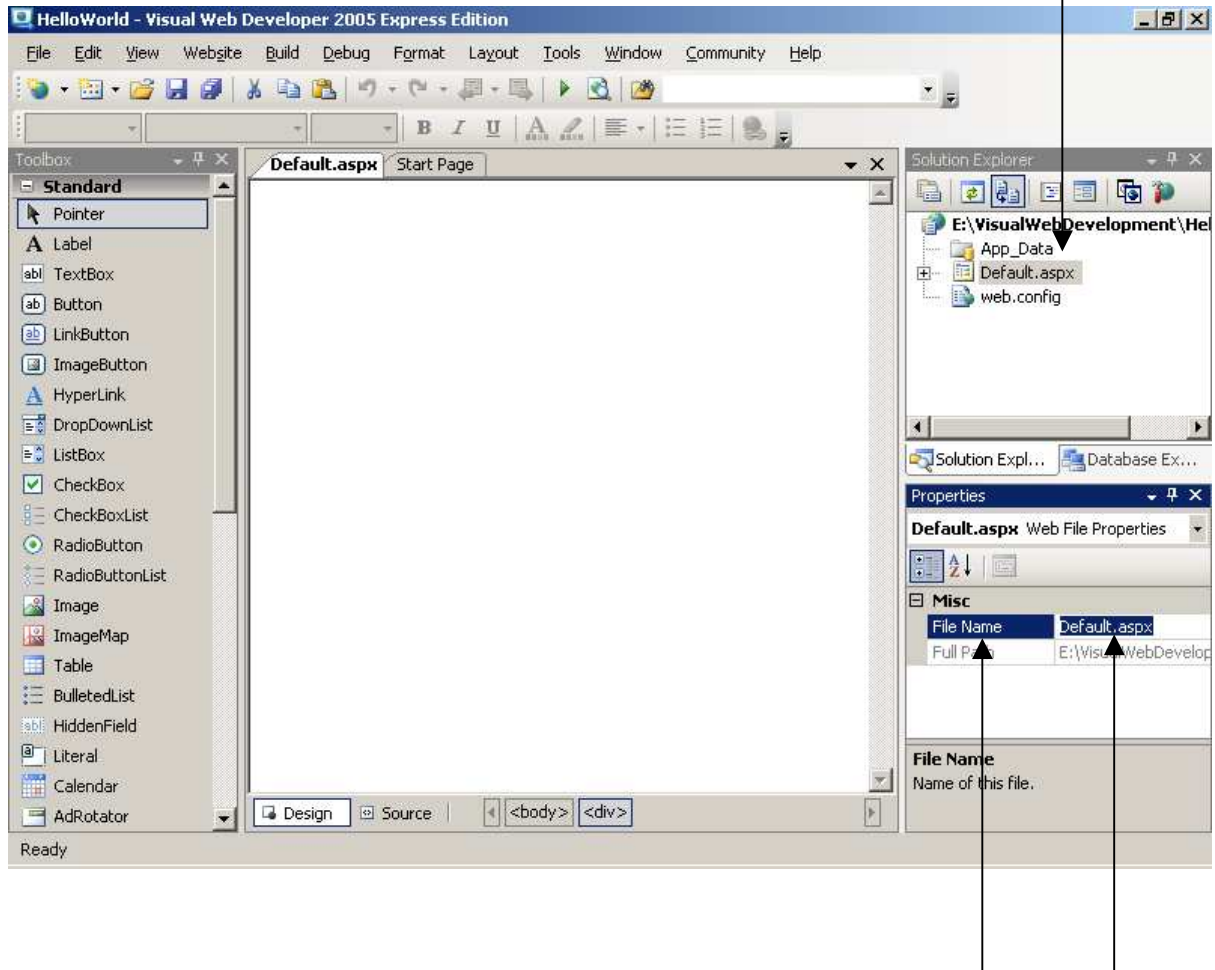
- select Design

Notice the Solution Explorer and Properties windows.

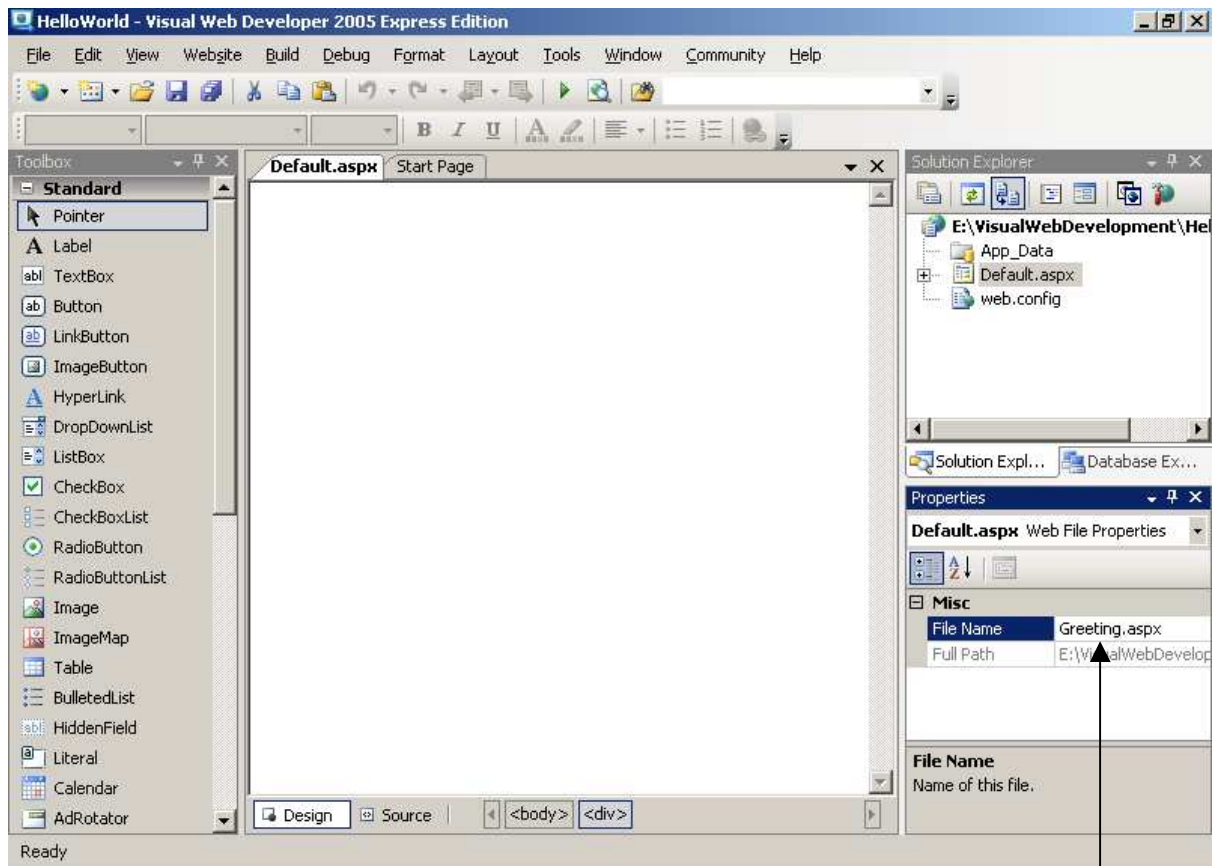


1.2 Name the Web Form File

- In Solution Explorer: select Default.aspx



- In Properties: rapid double click on File Name
- In Properties replace Default.aspx with Greeting.aspx and press return to confirm

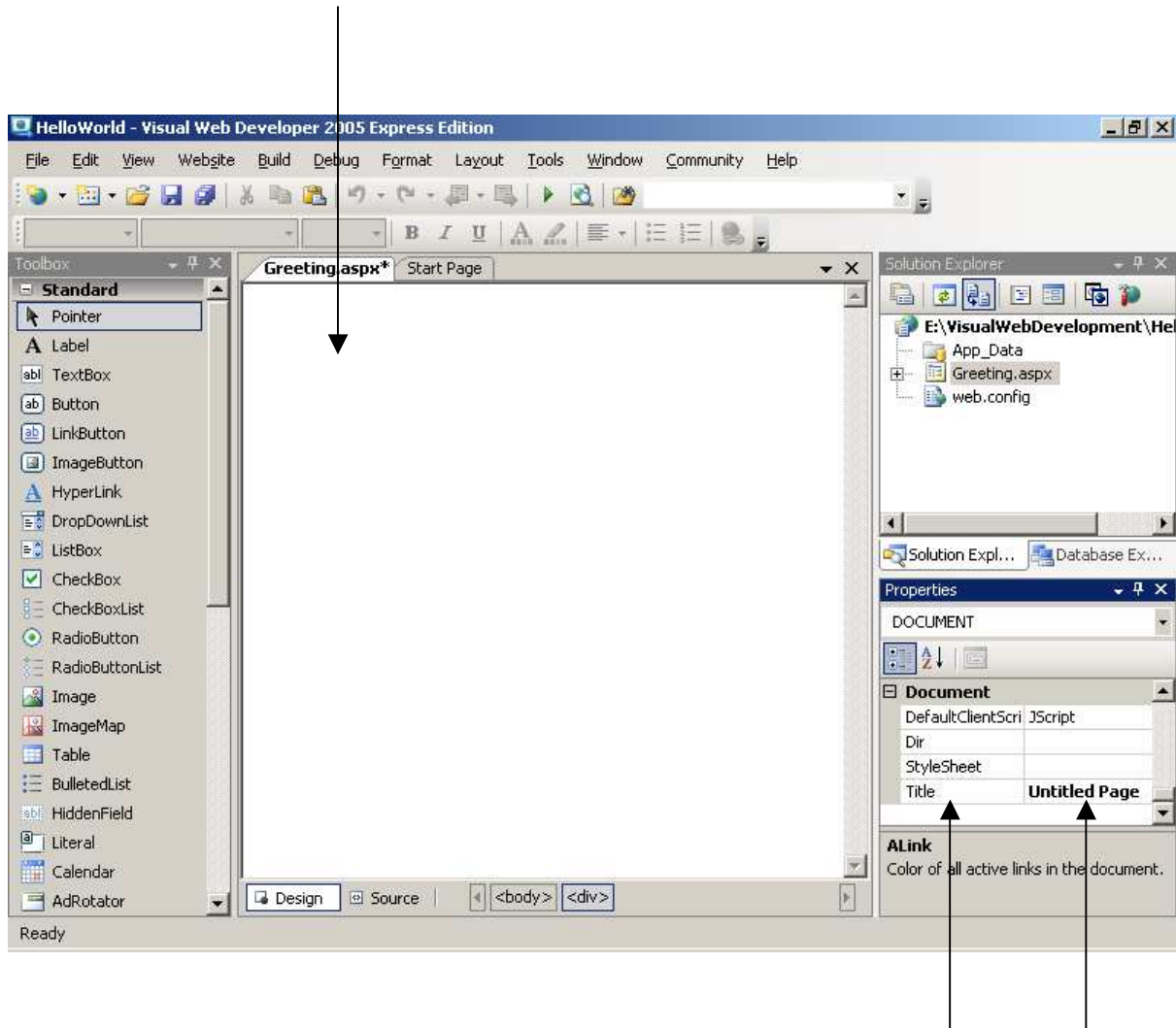


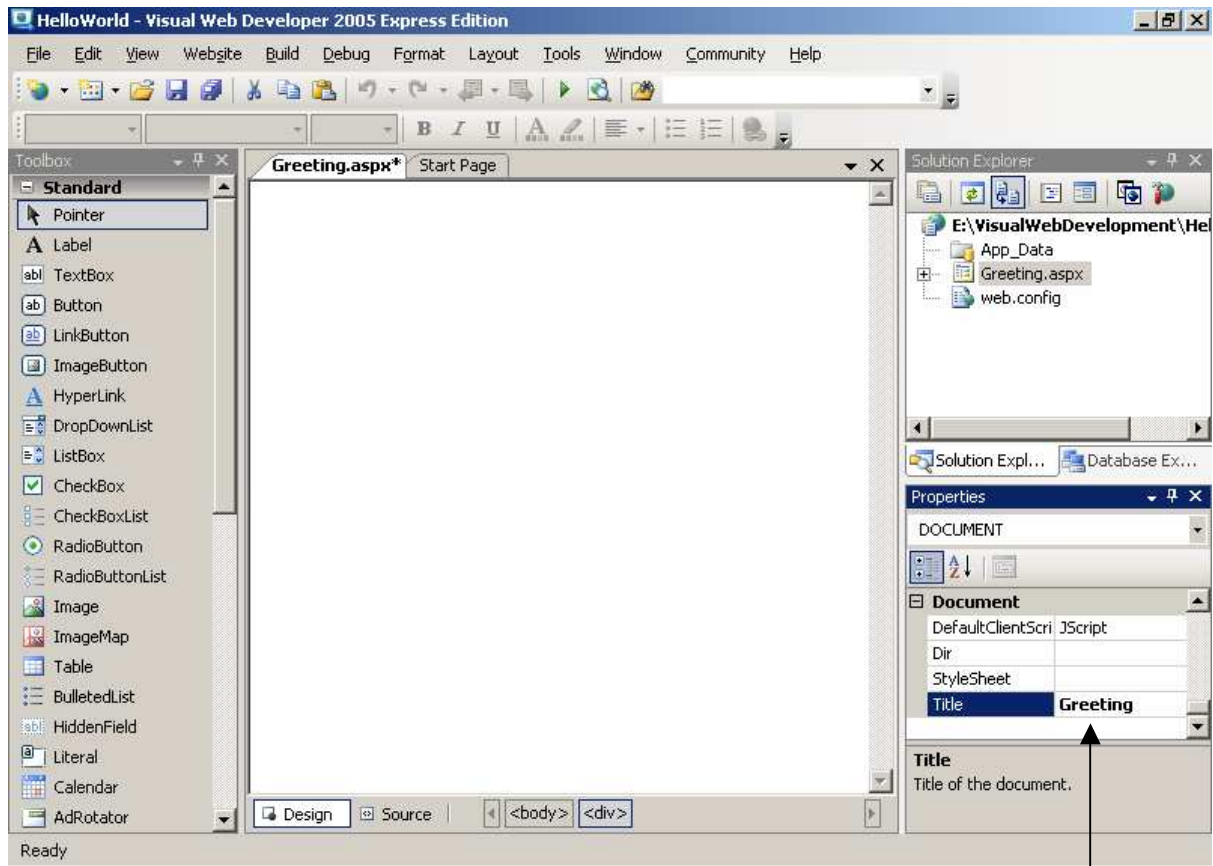
File names:

- no spaces, no hyphens, no underscores
- each word begins with a capital letter (camel case)
- must end in .aspx

1.3 Title the Web Form

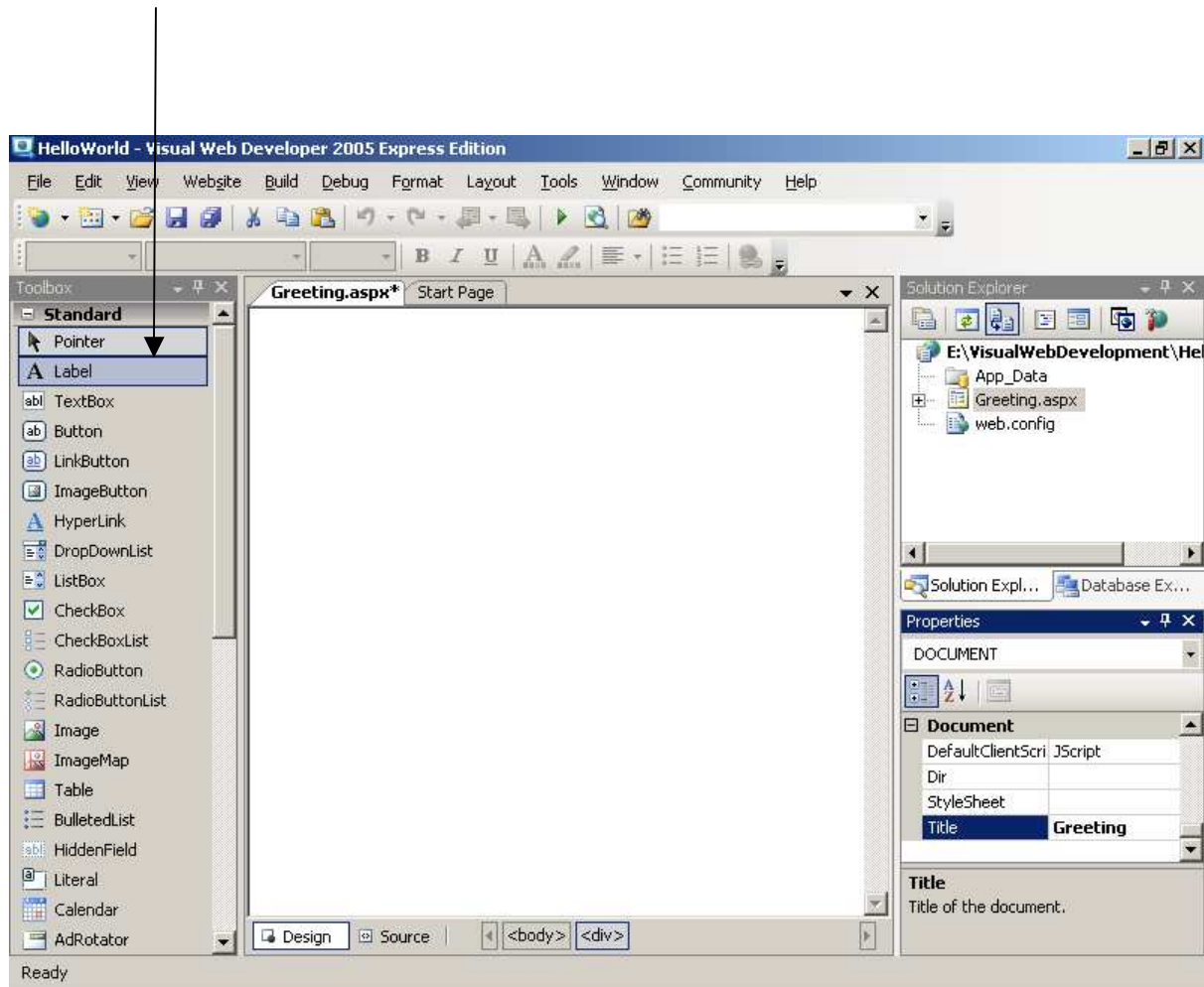
- click on the form
- locate Title property
- replace Untitled Page with Greeting and press return to confirm

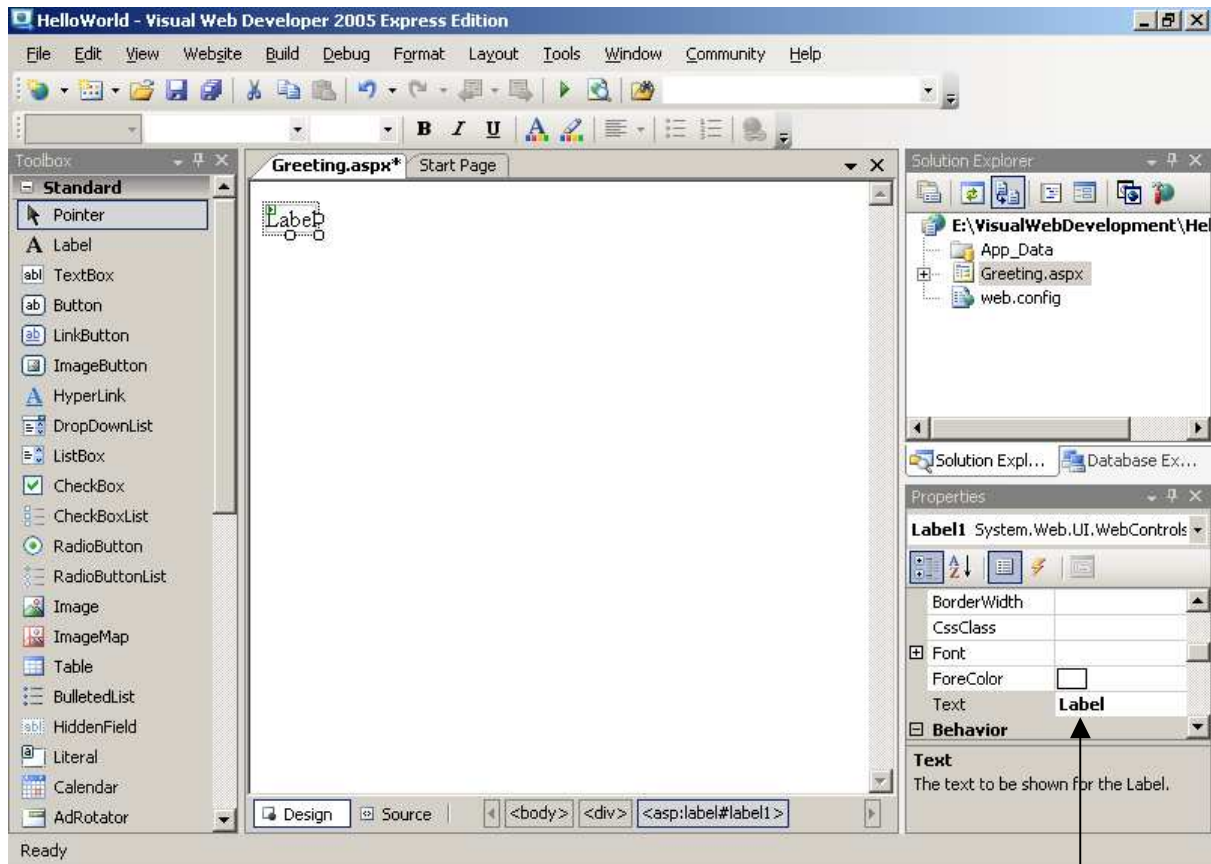




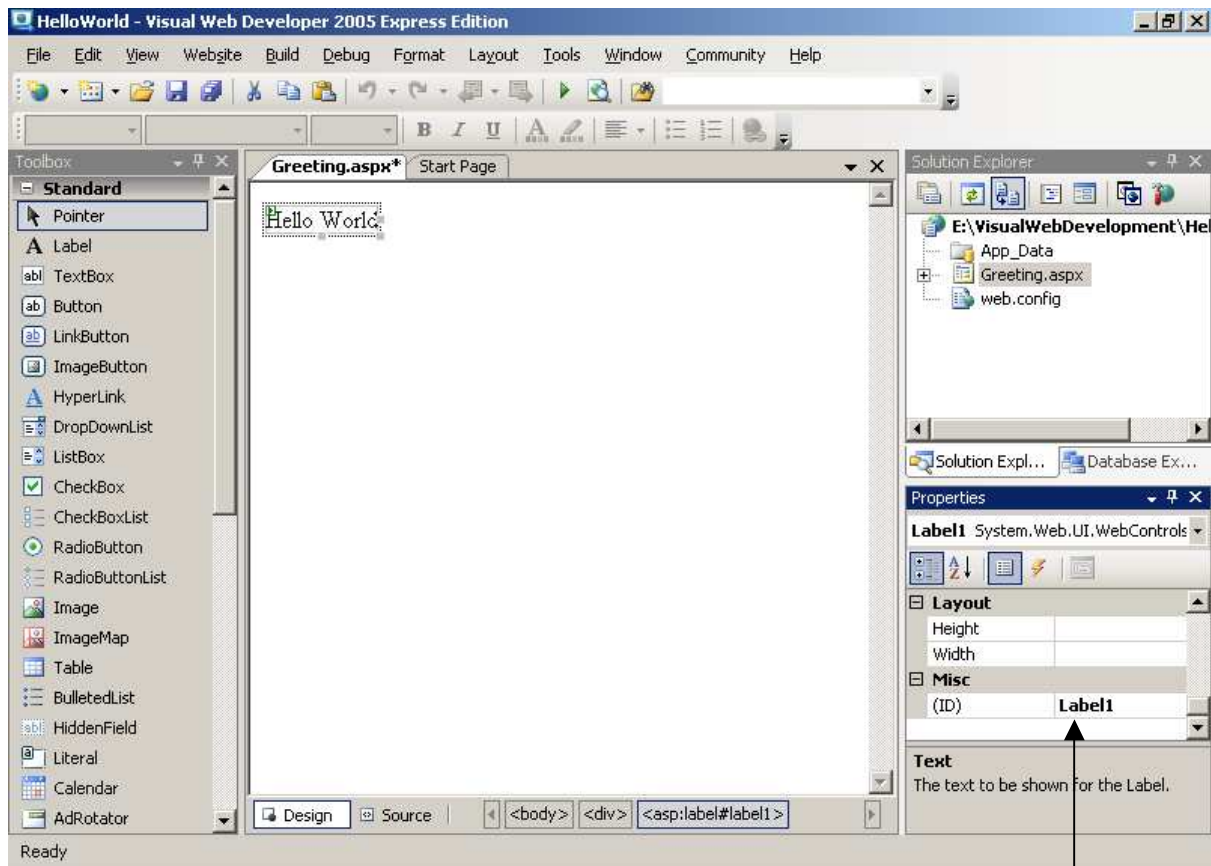
1.4 Add a Label

Drag a label from the toolbox onto the form





- change the Text property value from Label to Hello World

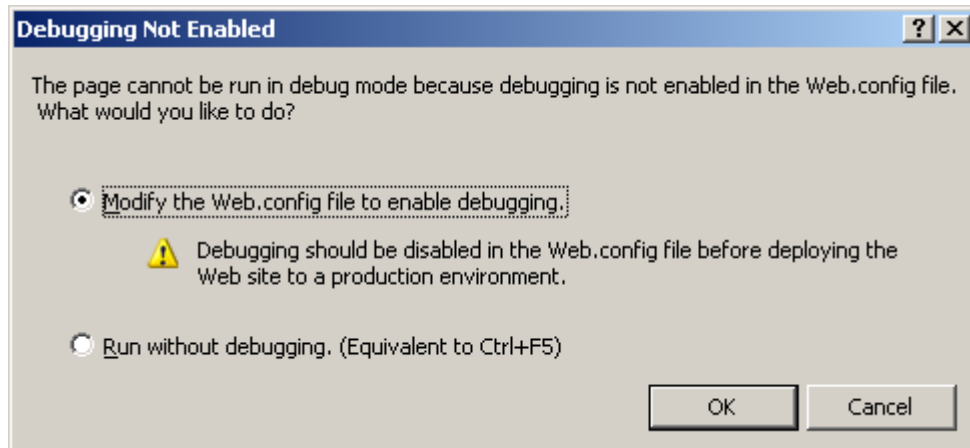


- change the (ID) property value from Label1 to lblHelloWorld and press return to confirm the change

1.5 Run the Program

- Press the F5 key

If you see

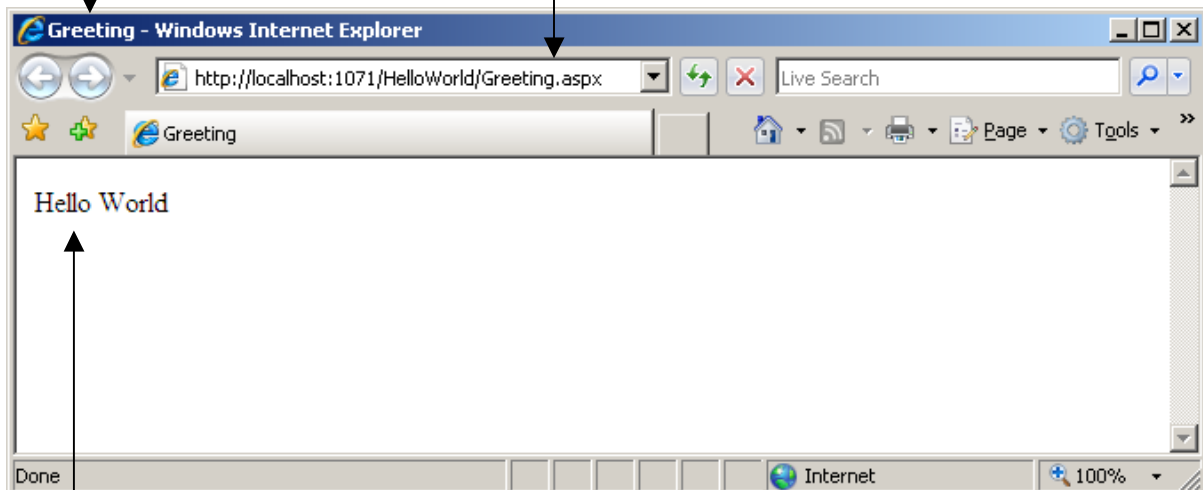


select Modify the Web.config file to enable debugging and click OK

The program running in Internet Explorer version 7.

Form Name

File Name



Label

1.6 College Work Around

When running ASP VB.NET programs at college you may be faced with a "Cannot find Host" error message. The work around is:

- replace *localhost* with 127.0.0.1

Take care to preserve slashes and colons.

1.7 Printing

1 Print VB Code

With the VB Code window open:

- File
- Print

2 Print Program Run

When the program is running:

- Press Alt button then dab the PrintScrn button
- Open a Word document
- Choose Edit, Paste

1.8 Download Microsoft Visual Web Developer 2005 Express Edition

This is to be done at home. Version 2005 is the one used by the college and is the version recommended by tm. Version 2007 is the one used by DMU and they have reported problems with it.

Visit <http://www.microsoft.com/express/2005/> and download Visual Web Developer 2005 Express Edition.

1.9 Exercises

1. Create a new web page that displays four lines of a song or poem, its title and authors(s). If the author is not known then display "Author not known". Use a label for each line. Note: if a lable will not move choose:
 - Layout
 - Position
 - Absolute