

Year 9

Computer Science / IT

Web Design

Key Skills

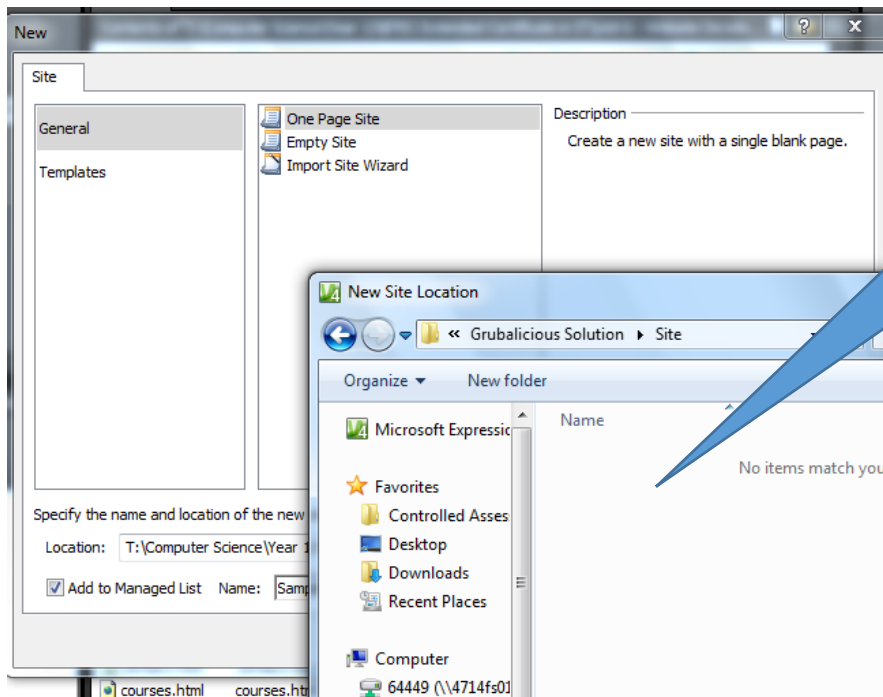
Walk-Through

Contents

Defining the site folder	3
Creating the Banner	4
Creating the Template	8
Creating and Inserting Buttons	11
Built-in Buttons	11
Creating your own.....	11
Accessibility.....	14
Hyperlinking the Buttons	16
Background Colours	19
Text Alignment.....	20
Setting Fonts for the Table.....	20
Creating the Pages	21
Home Page Content	Error! Bookmark not defined.
Use of Headings	Error! Bookmark not defined.
Text Wrapping.....	Error! Bookmark not defined.
Adding Page Content	Error! Bookmark not defined.
Adding Images.....	Error! Bookmark not defined.
Editing the 5-a-day Image	Error! Bookmark not defined.
Creating the Rollover Image	Error! Bookmark not defined.
Creating Thumbnails	Error! Bookmark not defined.
Converting the Video	Error! Bookmark not defined.
Adding the Video.....	Error! Bookmark not defined.

Defining the site folder

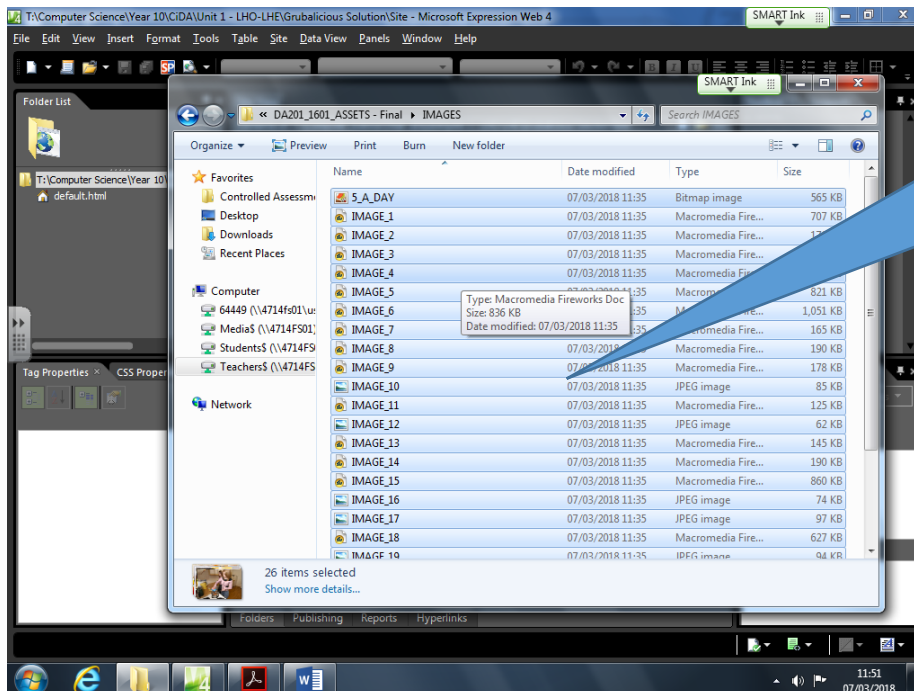
- Defining the folder before anything else is critical
- This acts as a 'virtual environment' for your site to run from
- EVERY element of the site must be stored here



Select Site > New Site

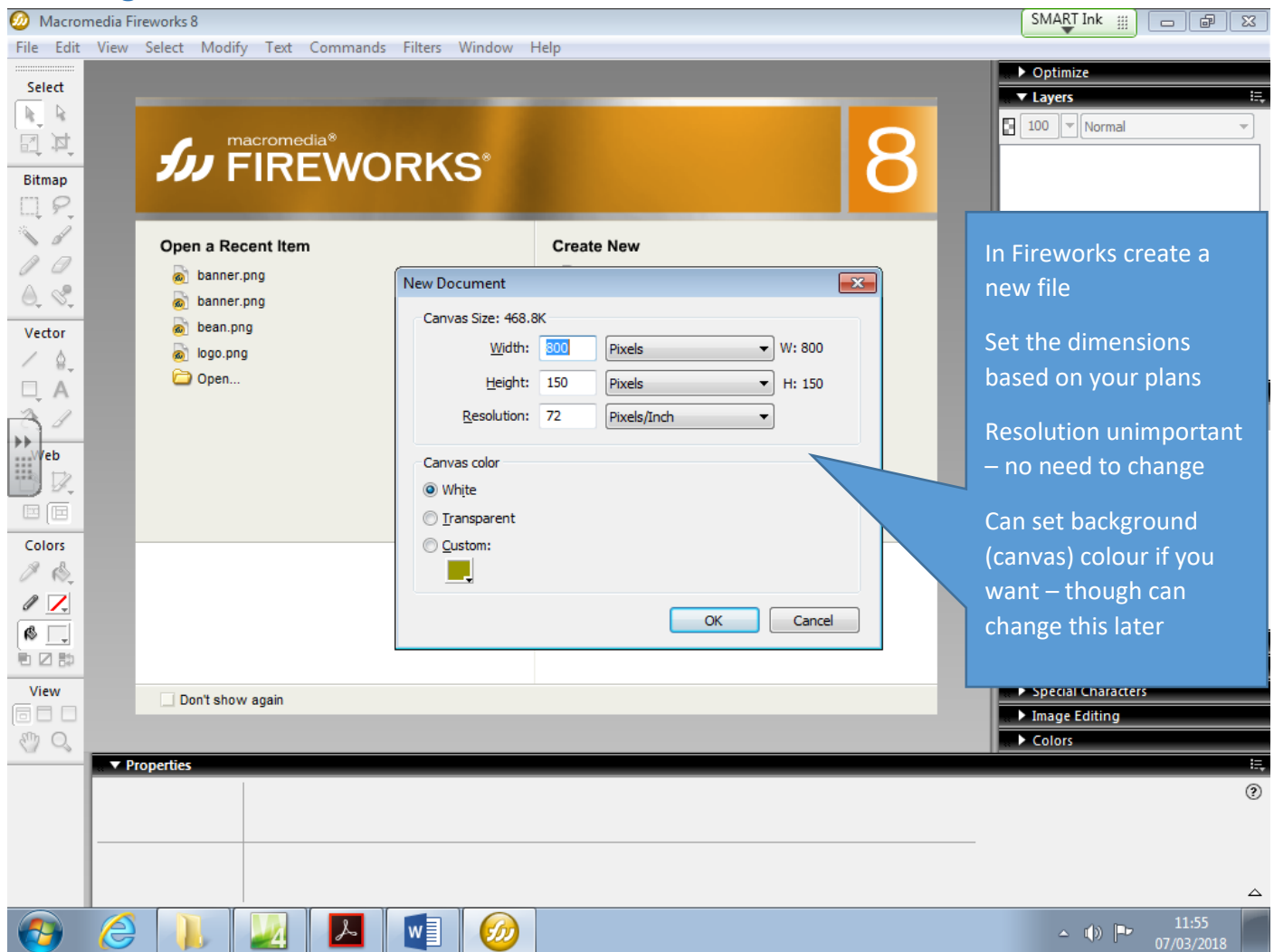
Create a One Page Site

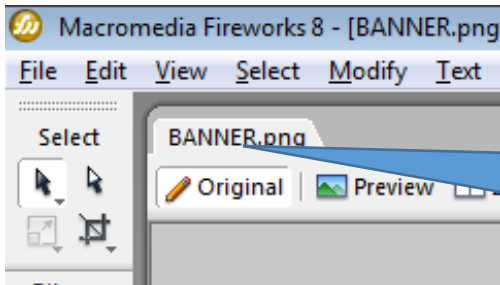
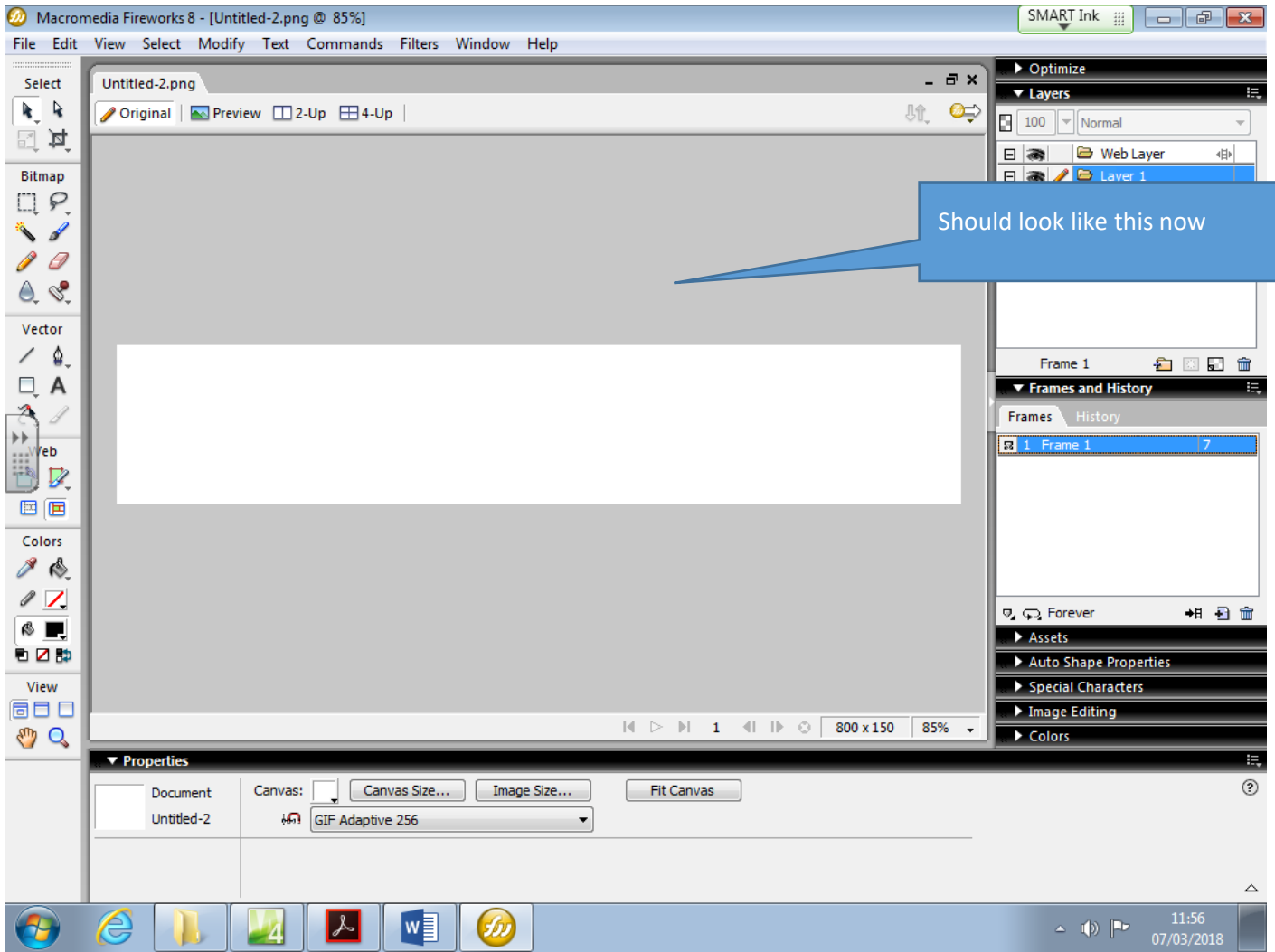
Select the location of the Site Folder



Copy all the assets (pictures etc.) you have collected for your website into the new 'site' folder

Creating the Banner





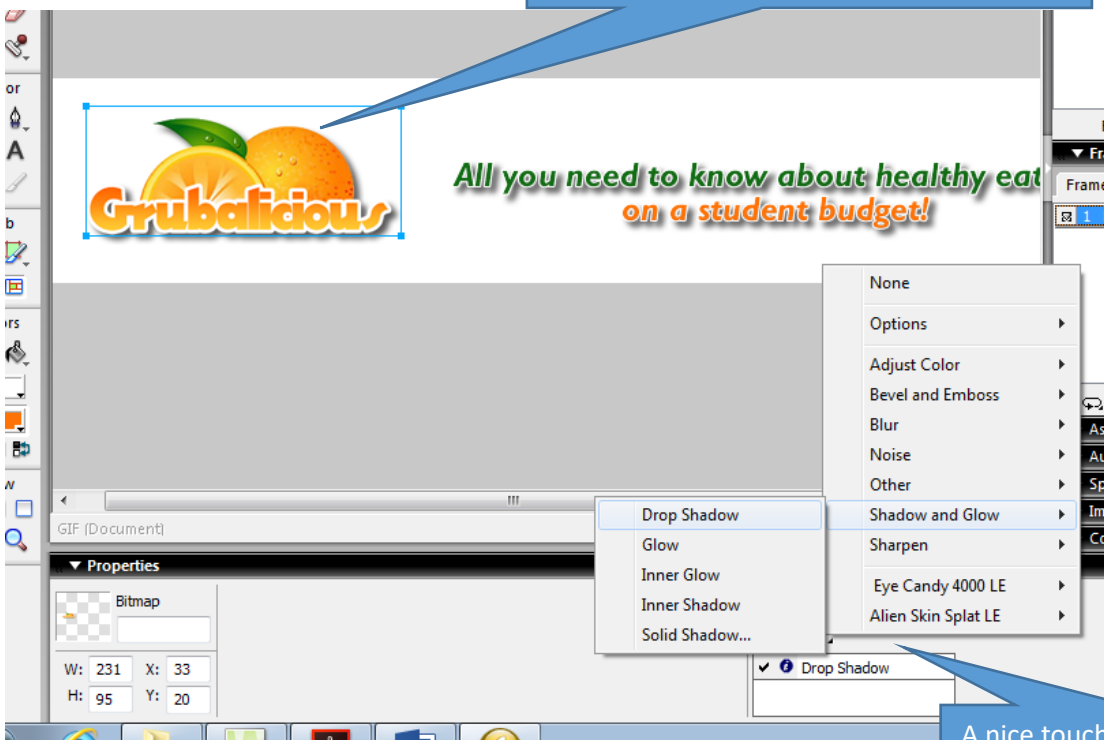
Best to 'Save As' at this point
As PNG
NO SPACES in file name – good practice for web design



Text can be added – click here and then click on banner where text will go

Formatting and repositioning can be sorted later

Can add images by copying and pasting them on

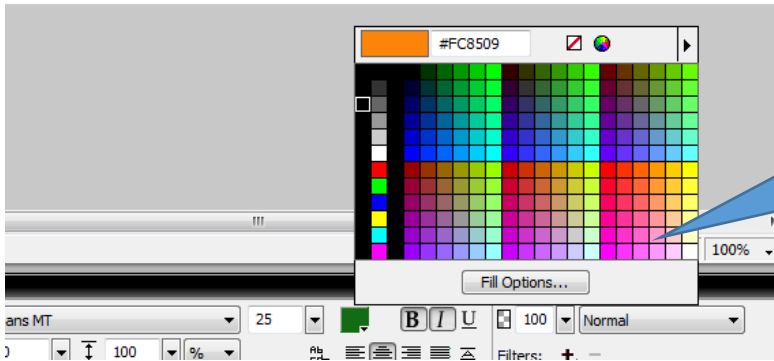


A nice touch is to add some effects from the 'filters' option

I've added a shadow on the text and logo – need to be selected to have the options available

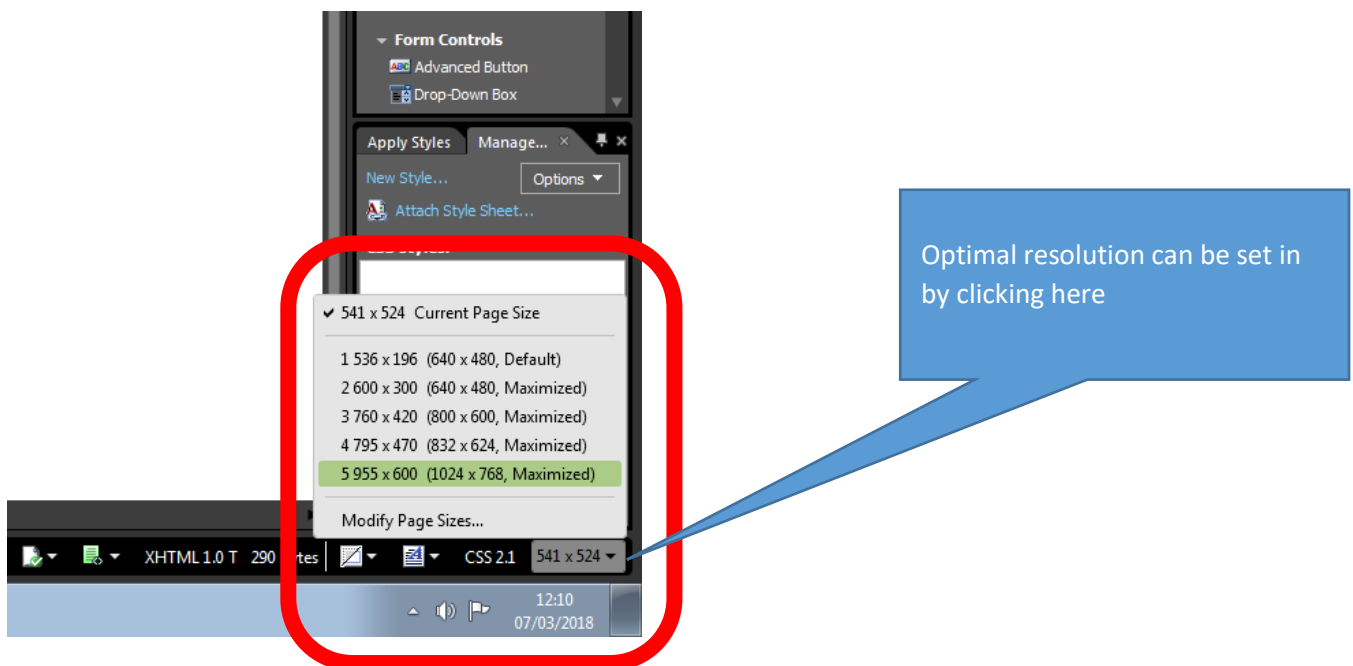
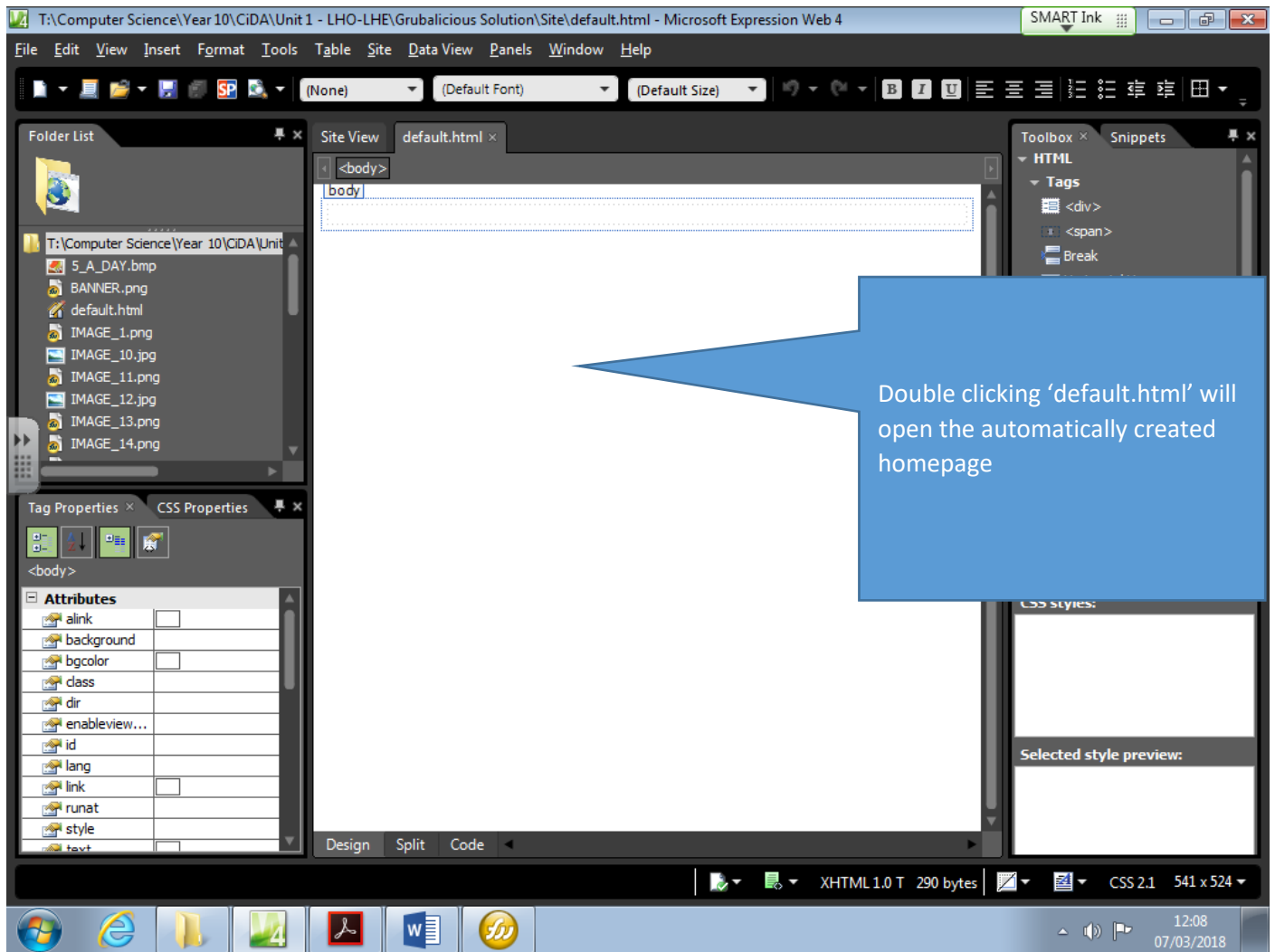


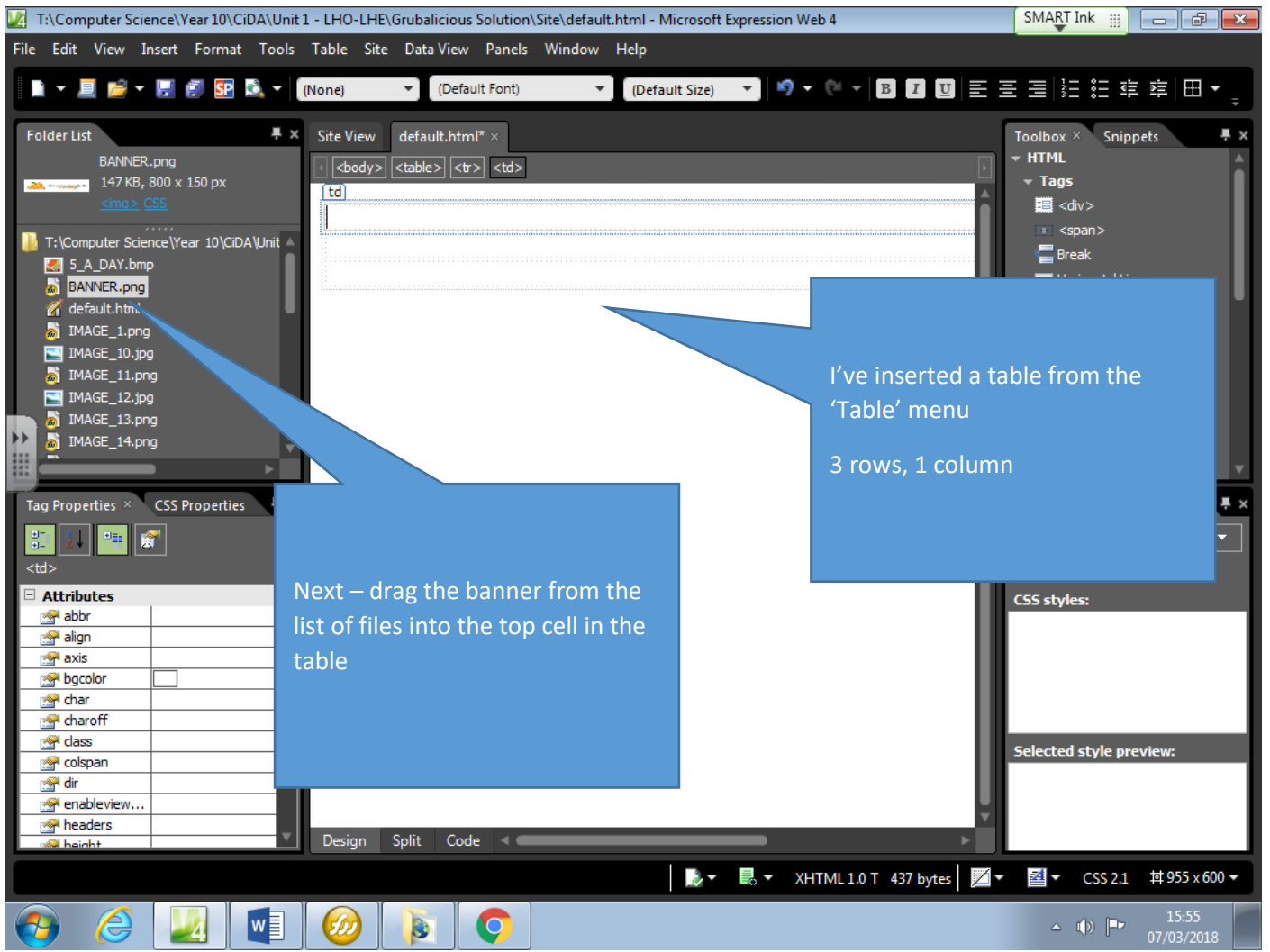
All you need to know about healthy eating
on a student budget!



Formatting such as fonts and colours can be edited in the properties box at the bottom

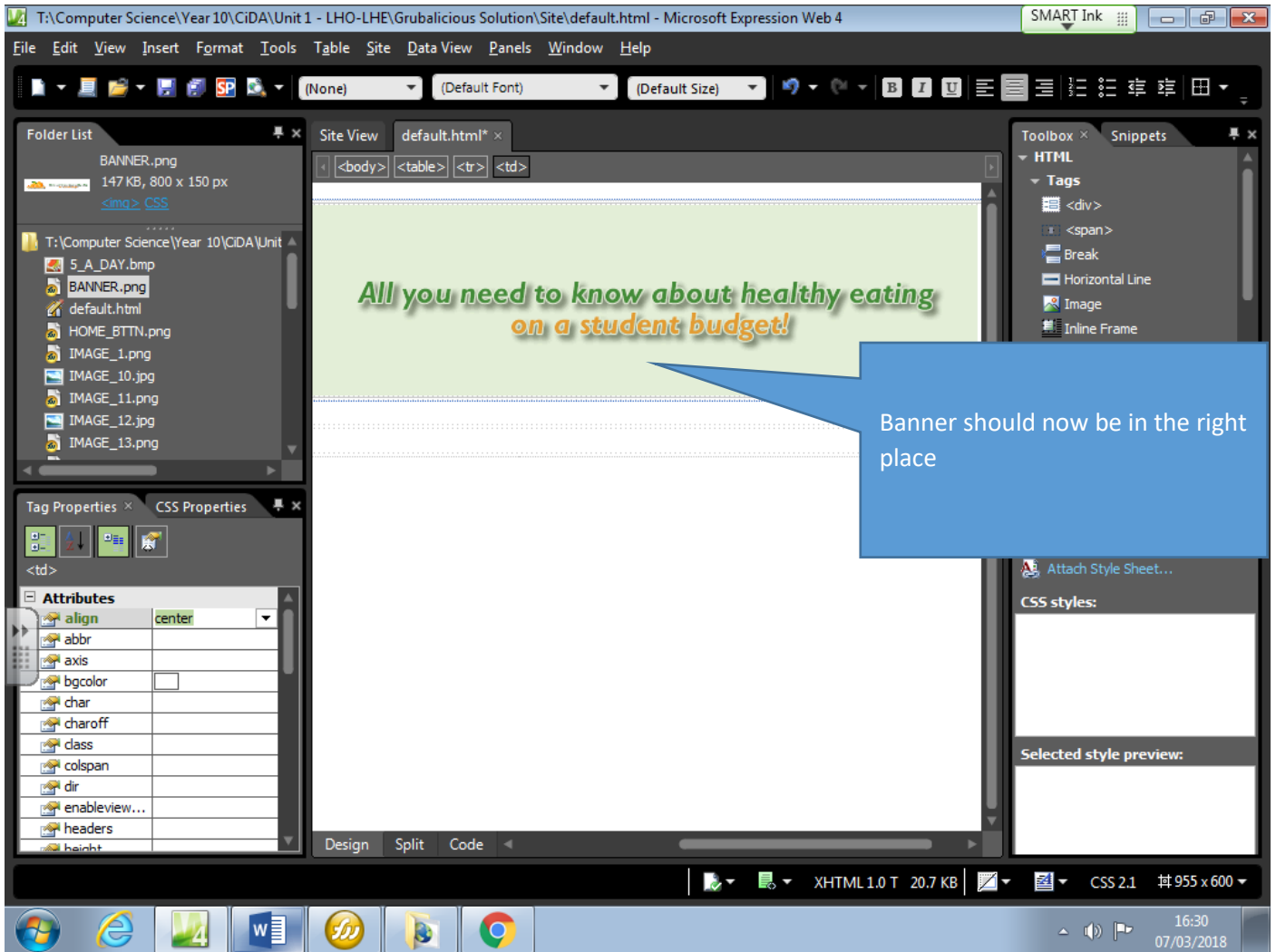
Creating the Template





Next - drag the banner from the list of files into the top cell in the table

I've inserted a table from the 'Table' menu
3 rows, 1 column

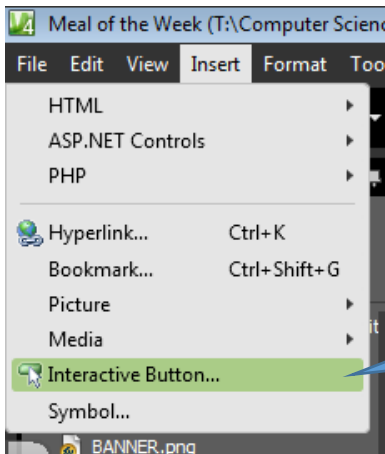


Creating and Inserting Buttons

Buttons could be made either by:

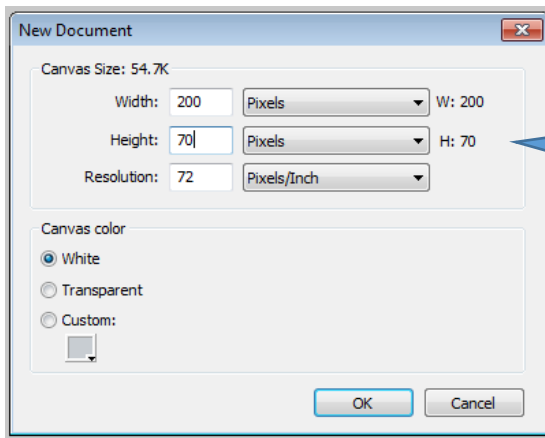
- Using the built-in buttons (quicker)
- Creating your own (might match your style better)

Built-in Buttons

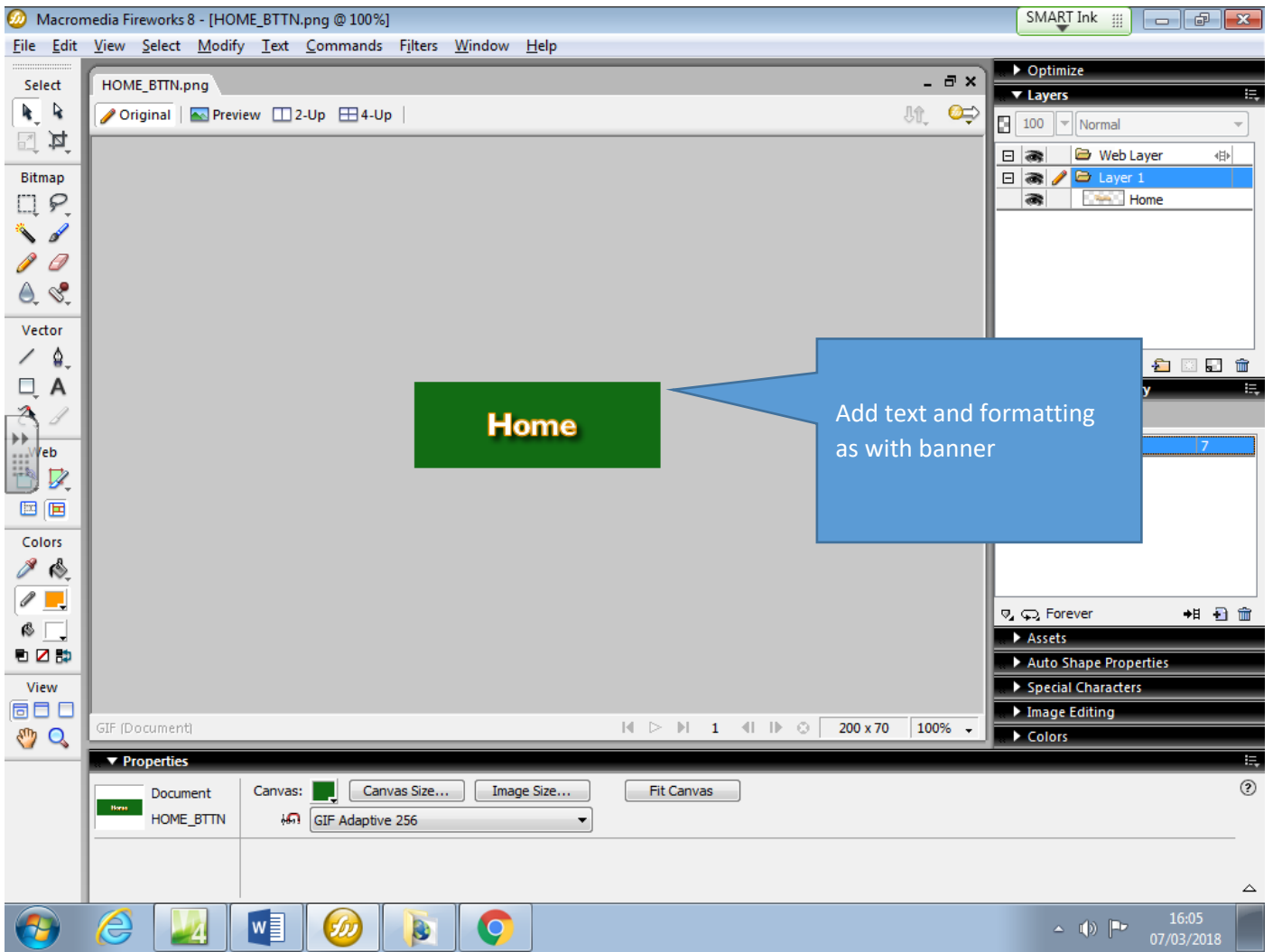


Select option from 'Insert' menu
Range of button styles available
Properties are editable – fonts, colours, sizes etc.

Creating your own



Create new canvas
Set sensible size based on space to be allocated on the page



AGE_13	07/03/2018 11:35	Macromedia Fire...	145 KB
AGE_14	07/03/2018 11:35	Macromedia Fire...	190 KB
AGE_15	07/03/2018 11:35	Macromedia Fire...	860 KB
AGE_18	07/03/2018 11:35	Macromedia Fire...	627 KB
AGE_20	07/03/2018 11:35	Macromedia Fire...	187 KB
:KET_POTATO	07/03/2018 11:35	Macromedia Fire...	138 KB
GO	07/03/2018 11:35	Macromedia Fire...	43 KB

e: HOME_BTN

type: Fireworks PNG (*.png)

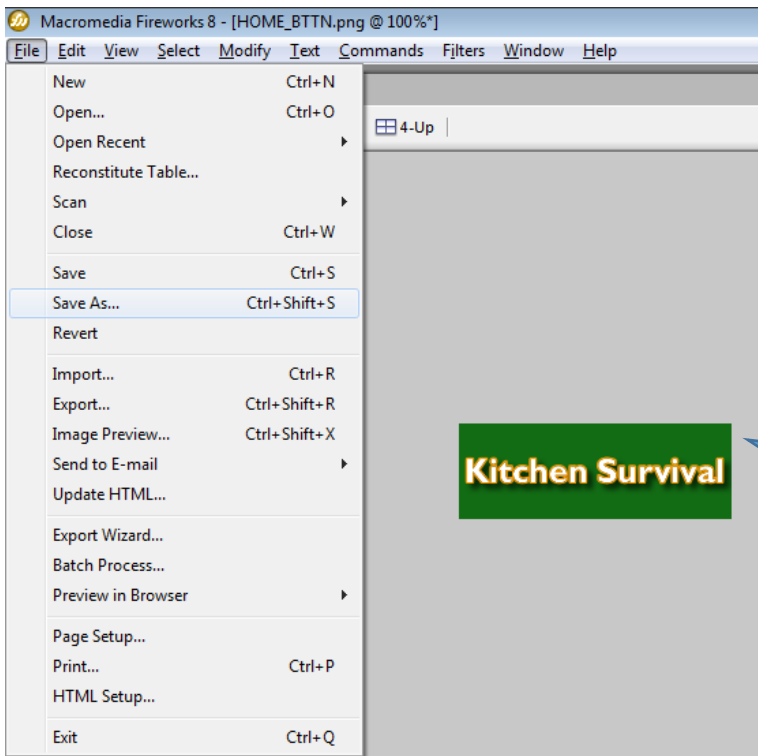
Save as a Copy

Buttons: Cancel, Options...

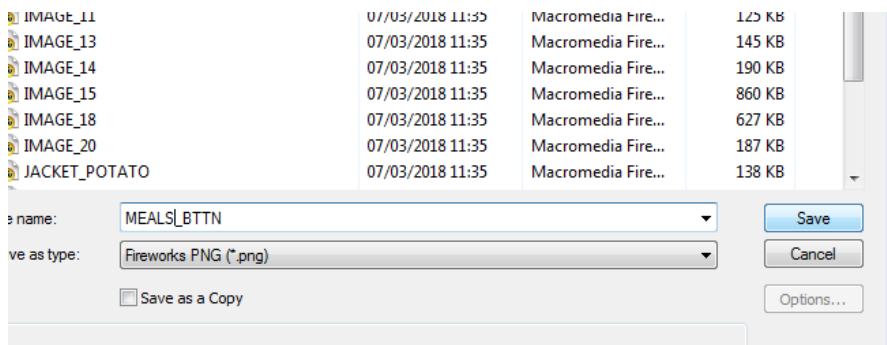
Save as inside site folder

As PNG

No spaces



The other buttons can be quickly made by:
Editing the text
Saving with a new name



Accessibility

The screenshot shows the Microsoft Expression Web 4 interface. The main workspace displays a web page with a logo for 'Grubalicious' and the text 'All you need to on a'. A blue callout box points to the 'HOME_BTTN.png' file in the 'Folder List' on the left. Another blue callout box points to the 'Accessibility Properties' dialog box, which is open over the page. The dialog box has the following fields and options:

- Alternate text: Home button
- Description: (empty field)
- Show this property for selecting images:

The 'Tag Properties' panel on the left shows the 'Attributes' table for the selected element:

Attribute	Value
abbr	
align	center
axis	
bgcolor	
char	
charoff	
class	
colspan	
dir	
enableview...	
headers	
height	

The 'Toolbox' on the right shows various HTML and Form Controls. The status bar at the bottom indicates 'XHTML 1.0 T 147 KB' and 'CSS 2.1 955 x 600'.

To add the buttons, drag them from the file list into the middle cell

The 'Accessibility Properties' allows you to add text for a visually impaired person

T:\Computer Science\Year10\CiDA\Unit 1 - LHO-LHE\Grubalicious Solution\Site\default.html - Microsoft Expression Web 4

File Edit View Insert Format Tools Table Site Data View Panels Window Help

Folder List: MEALS_BTTN.png (35.8 KB, 200 x 70 px), IMAGE_7.png, IMAGE_8.png, IMAGE_9.png, JACKET_POTATO.png, KITCHEN_BTTN.png, LOGO.png, MEALS_BTTN.png, MICROWAVE_COOKING.png, STUFFED_PEPPERS_INGREDIENTS.png, STUFFED_PEPPERS_METHOD.png

Site View: default.html

Code: <table> <tr> <td>

HTML Tags: <div>, , Break, Horizontal Line, Image, Inline Frame, Layer, Paragraph

Form Controls: Advanced Button, Drop-Down Box

Tag Properties: align (center), axis, bgcolor, char, class, colspan, dir, enableview..., headers, height

Design Split Code

XHTML 1.0 T 266 KB CSS 2.1 955 x 600

16:09 07/03/2018

If you have clicked inside the table cell you can set it to be aligned to the center

T:\Computer Science\Year10\CiDA\Unit 1 - LHO-LHE\Grubalicious Solution\Site\default.html - Microsoft Expression Web 4

default.html

file:///T:/Computer%20Science/Year%2010/CiDA/Unit%201%20-%20LHO-LHE/Grubalicious%20Solution/Site/default.html

Grubalicious

All you need to know about healthy eating on a student budget!

Home Kitchen Survival Meals

Page so far...

16:09 07/03/2018

Hyperlinking the Buttons

Default will just be our template – It's not going to be an actual page on the site

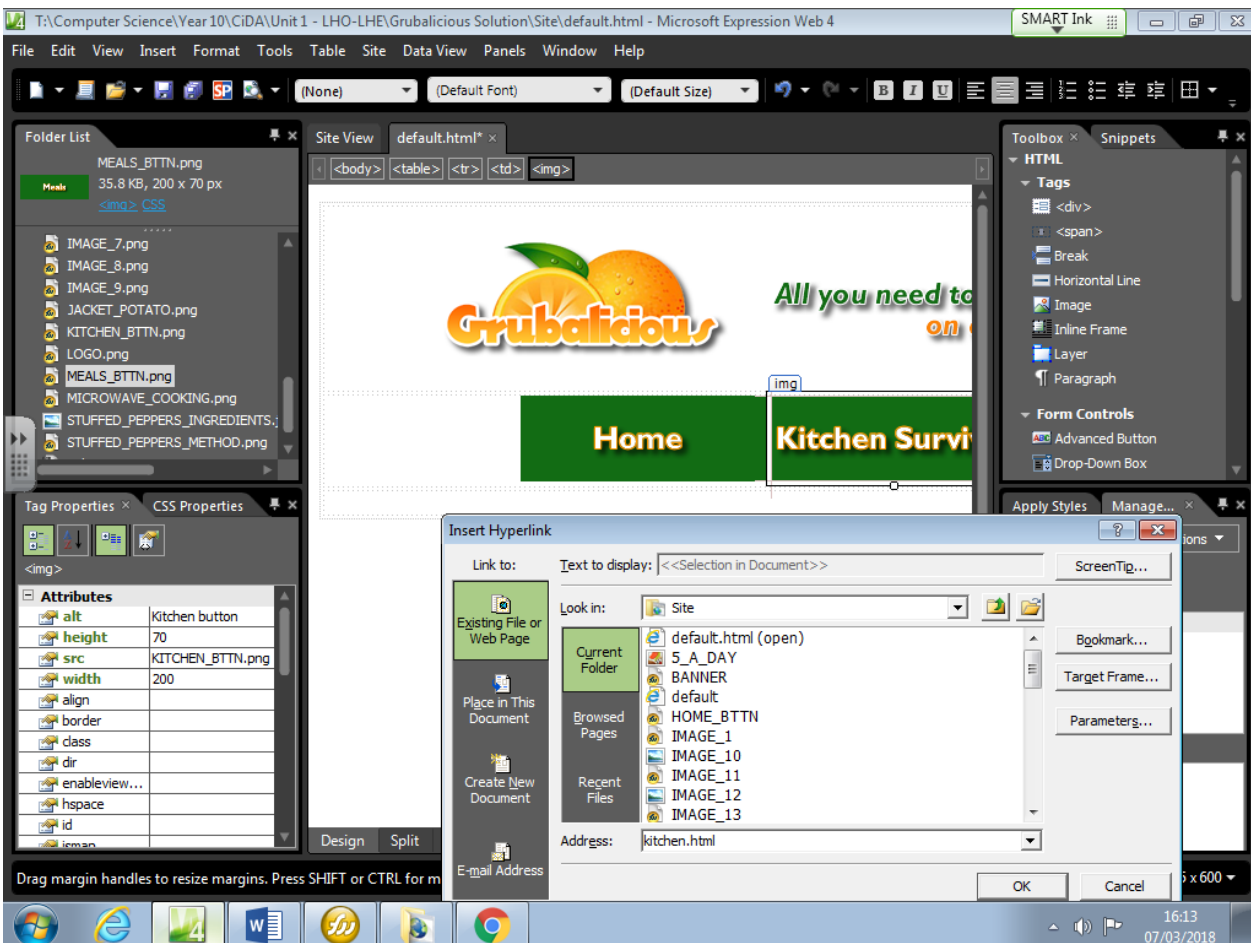
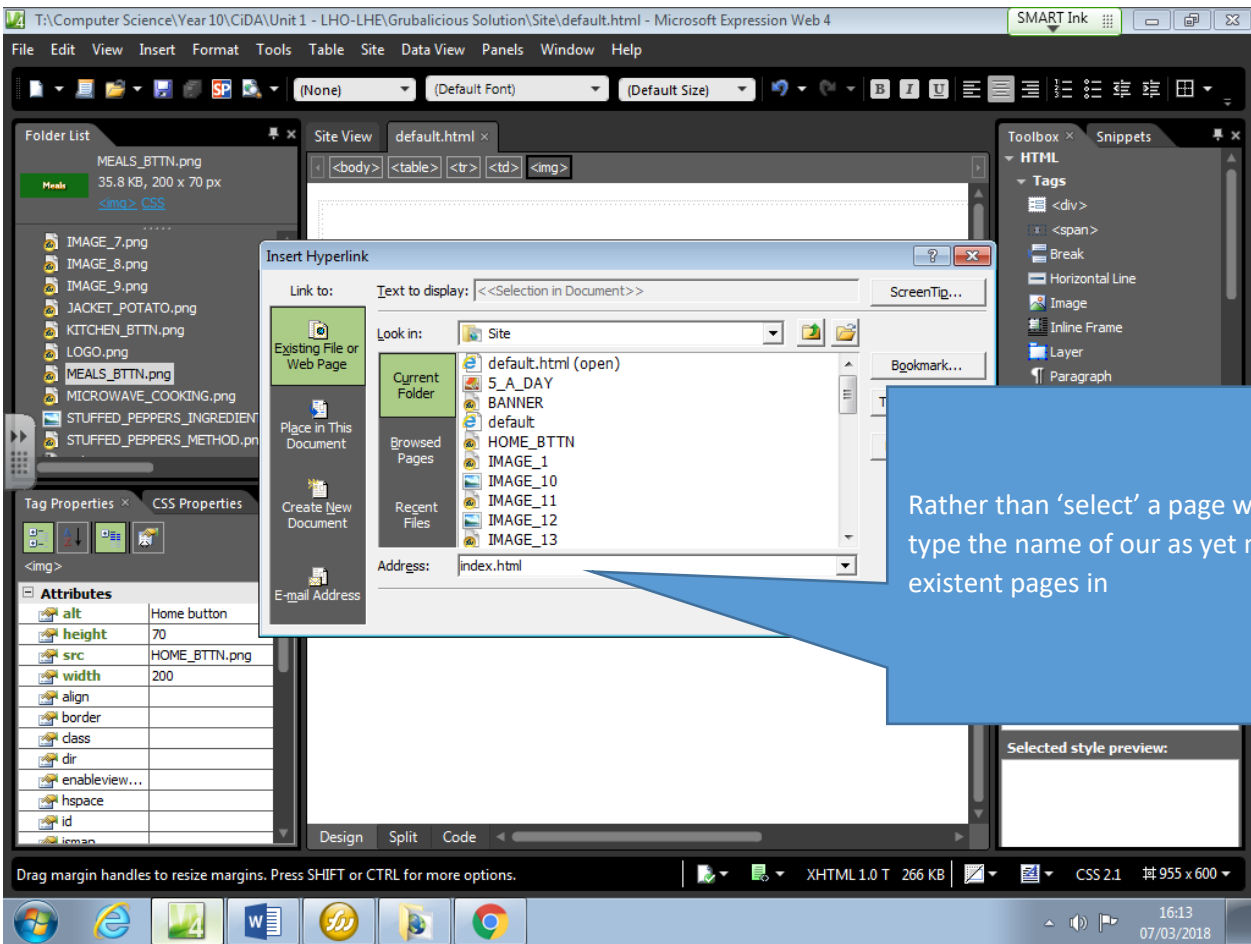
When we create the hyperlinks, we will do so to pages that HAVE NOT BEEN CREATED YET

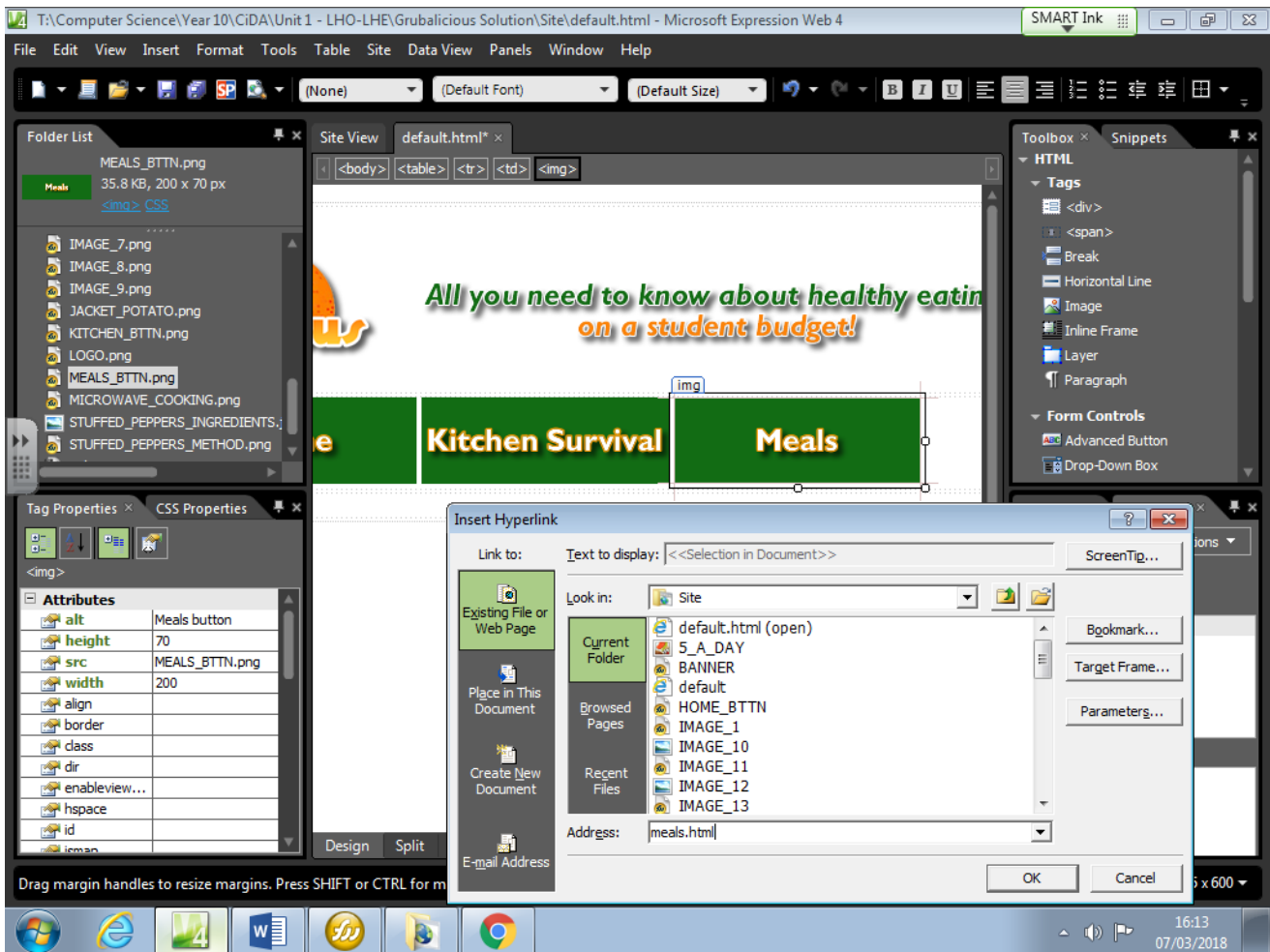
This means when we 'clone' the default page to make the other pages the hyperlinks will all be working already and we won't waste time hyperlinking every link on every page.

At this stage we should jot down what the names of the actual pages will be – the names on the link MUST MATCH what we clone the page as.

The screenshot shows Microsoft Expression Web 4 in Design view. The 'Insert' menu is open, and 'Hyperlink...' is selected. A blue callout box points to the 'Hyperlink...' option with the text 'With button selected, Insert>Hyperlink'. The main workspace shows a web page with a 'Home' button selected. The 'Tag Properties' window is open for the selected button, showing attributes like width, align, border, class, dir, enableview..., hspace, id, and ismap.

With button selected,
Insert>Hyperlink





Background Colours

The screenshot shows the Microsoft Expression Web 4 interface. The main window displays a website design with a green header, a navigation bar with 'Home' and 'Kitchen Survival' buttons, and a large blue callout box. The callout box contains the text: "With <body> selected as shown: Edit the bgcolor as required".

The interface includes several panels:

- Folder List:** Shows files like BANNER.png, 5_A_DAY.bmp, default.html, HOME_BTTN.png, and various IMAGE files.
- Code View:** Shows the HTML code with the `<body>` tag selected and highlighted by a red box.
- Tag Properties:** Shows the attributes for the selected `<body>` tag, including `bgcolor` set to `#FF6600`.
- Toolbox:** Contains HTML tags and Form Controls.
- Apply Styles:** Shows the current page style as `.auto-style1`.

The status bar at the bottom indicates the document is XHTML 1.0 T, 263 KB, with CSS 2.1 and a resolution of 955 x 600. The system tray shows the time as 16:52 on 07/03/2018.

Text Alignment

The screenshot shows the Microsoft Expression Web 4 interface. The main workspace displays a website design with a banner for 'Grubalicious' and a table with two columns: 'Home' and 'Kitchen Survival'. A red box highlights a table cell containing the text 'All you need to'. The 'Tag Properties' window is open, showing the 'valign' property set to 'top'. A blue callout box points to the 'valign' property, stating: 'For any table cell (td) the properties can be edited by clicking in the cell and editing the properties in the box on the right Valign is the vertical alignment'.

Folder List: T:\Computer Science\Year 10\CIDA\Unit 1 - LHO-LHE\Grubalicious Solution\Site\default.html

File Edit View Insert Format Tools Table Site Data View Panels Window Help

Folder List: T:\Computer Science\Year 10\CIDA\Unit 1 - LHO-LHE\Grubalicious Solution\Site\default.html

5_A_DAY.bmp
BANNER.png
default.html
HOME_BTN.png
IMAGE_1.png
IMAGE_10.jpg
IMAGE_11.png
IMAGE_12.jpg
IMAGE_13.png

Tag Properties: CSS Properties

<td>

scope
title
valign top
visible
width
xml:lang

Events
onclick
ondatabind...
ondblclick
ondisposed
oninit

Design Split Code

index.html XHTML 1.0 T 263 KB CSS 2.1 #955 x 600

17:00 07/03/2018

Setting Fonts for the Table

The screenshot shows the Microsoft Expression Web 4 interface. The main workspace displays the same website design as the previous image. The 'Tag Properties' window is open, showing the 'CSS Properties' tab. The 'font-family' property is set to 'Gill Sans, Gill Sans MT, Cr...'. A blue callout box points to the 'font-family' property, stating: 'Fonts for the cell can be edited in the CSS properties Doing this here ensures consistency across all pages'.

Folder List: T:\Computer Science\Year 10\CIDA\Unit 1 - LHO-LHE\Grubalicious Solution\Site\default.html

File Edit View Insert Format Tools Table Site Data View Panels Window Help

Folder List: T:\Computer Science\Year 10\CIDA\Unit 1 - LHO-LHE\Grubalicious Solution\Site\default.html

5_A_DAY.bmp
BANNER.png
default.html
HOME_BTN.png
IMAGE_1.png
IMAGE_10.jpg
IMAGE_11.png
IMAGE_12.jpg
IMAGE_13.png

Tag Properties: CSS Properties

Applied Rules
<table>
<td>

CSS Properties

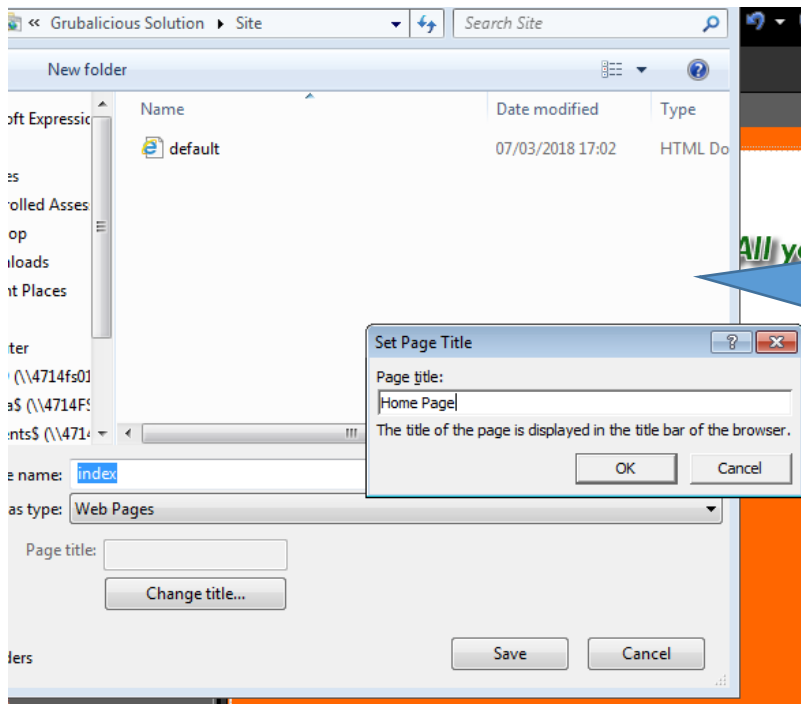
Font
color #FFFFFF
font
font-family Gill Sans, Gill Sans...
font-size
font-style
font-variant

Design Split Code

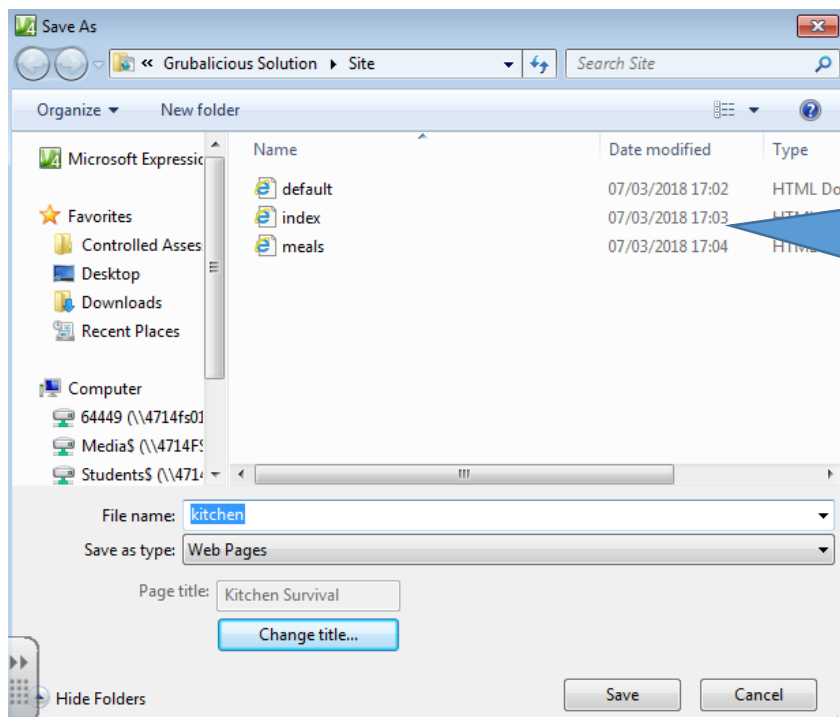
index.html XHTML 1.0 T 264 KB CSS 2.1 #955 x 600

17:01 07/03/2018

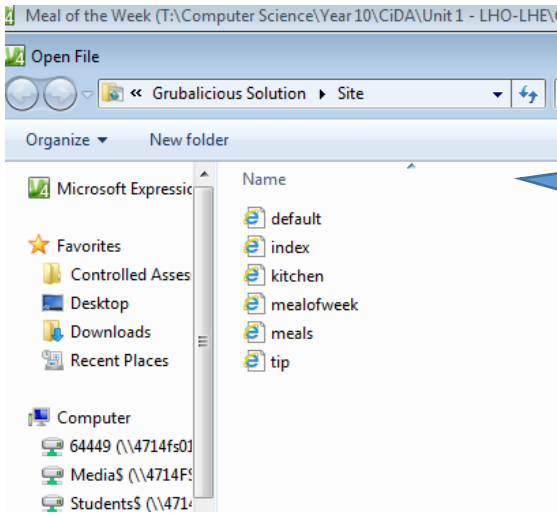
Creating the Pages



Simply 'Save As' on the default and give a new name
'Page Title' is the label on the tab of the web browser



Note no spaces in page names
Make sure the page names are what you called them for the button links!



Finished page list