Southampton Solent University

Coursework Assessment Brief

Assessment Details

Unit Title:	**Client Side Scripting**
Unit Code:	CDA401
Unit Leader:	Joe Appleton
Level:	4
Assessment Title:	Practical assignment - Solent Pizzas
Assessment Number:	1
Assessment Type:	Practical assignment
Individual/Group:	Indvidual
Assessment Weighting:	100%
Issue Date:	Week commencing 23rd January 2017
Hand In Deadline:	**Monday 15th May 2017 by 22:00hrs**
Planned Feedback Date:	Within 4 weeks
Mode of Submission:	Online
Number of copies to be submitted:	One
Anonymous Marking	This assessment will: Be exempt from anonymous marking

Assessment Task

1 Scenario

Solent Pizzas is an independent **fictional** pizza company who run a busy venue operating in the heart of Southampton. The company currently don't have a web presence and therefor wish to create a modern HTML5 website. The site will provide information about the company and also allow the on-line ordering of food.

As a front end developer you've been tasked with developing the **client side** functionality for this project.

Important

All of your work must be original and created from scratch, do not copy and paste chunks of code from the internet. **You** must use the GIT version control system and store your work on GITHub.

You're **not permitted** to use:

- Visual editors such as Dreamweaver
- HTML frameworks such as Twitter bootstrap
- Javascript fameworks/libraries such as Backbone and jQuery.

The above are great tools, but it's important you know the fundamentals first.

2 Implementation

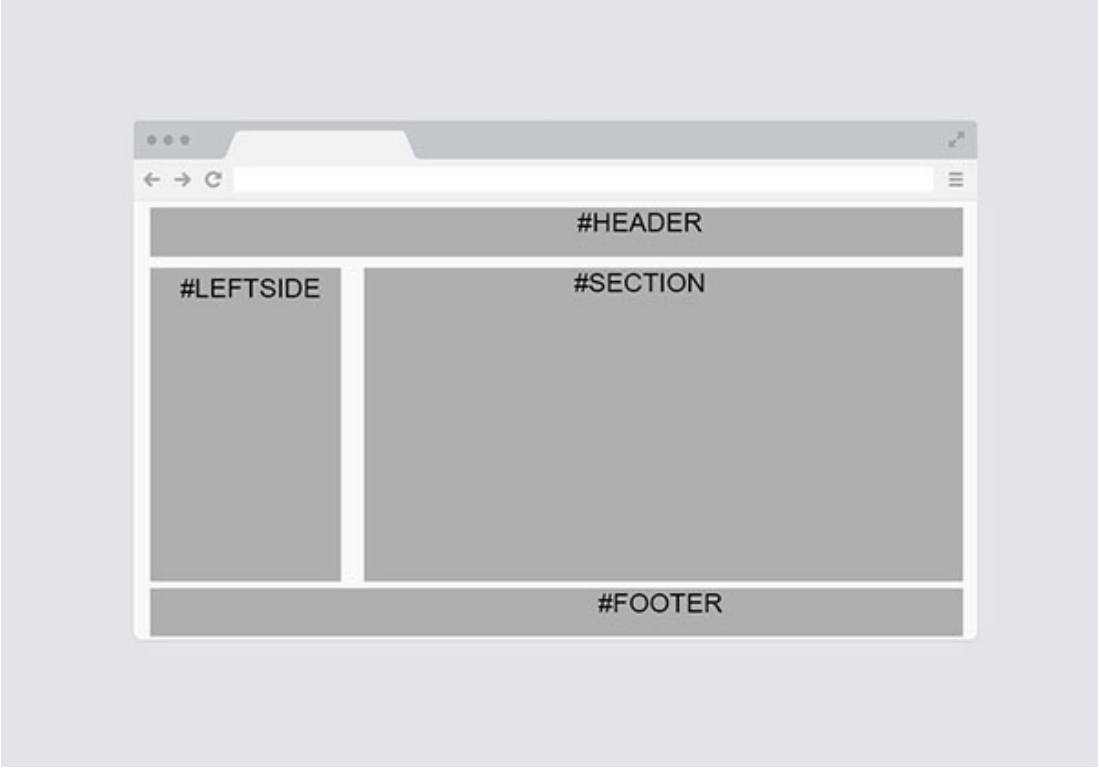
The implementation has been broken down into the below tasks. Each task has been graded by difficulty ranging from core to advanced plus. Your site must be version controlled using git and it must be stored on gitHub.

2.1 index.html (core)

Create the HTML page `index.html`. This page is the home page for the site, be creative and source some nice images and produce some copy to promote Solent Pizzas.

It should have a navigation strategy to allow intuitive movement around the rest of the website. Also make sure you use a external CSS file, this will mean all the pages can use this style sheet to have the same look and feel.

As a minimum this page and future pages should consist of the following sections:



2.1.1 index.html Basic Javascript (core)

Using javascript, display the current date and time in the header or footer of the `index.html` file. Make sure the date is in a human readable format.

2.1.2 index.html Dynamic Javascript (intermediate)

Use javascript to add at least one dynamic creative feature to your home page, such as an image roll over.

2.1.3 index.html Javascript Carousel (advanced)

Create an image carousel that starts automatically and cycles through images when the `index.html` page loads. You should use original javascript written from scratch to achieve this effect.

2.2 contact.html

Create the HTML page `contact.html` remember it should have the same look and feel as `index.html` .

2.2.1 contact.html Map (core)

Make up an address and embed a map.

2.2.2 contact.html Contact Form (core)

Create and layout a contact form with the below fields, it won't actually submit to a server yet as we're just using client side technologies.

Field Name	Input Type
first_name	text
last_name	text
email	text
phone	text
message	text
send	submit

2.2.3 contact.html Contact Form Validation (core)

Use javascript to ensure the form passes the set criteria below on submit. If the form fails the validation criteria a clear message should be displayed to the user. **Important;** please use javascript and **not HTML5 form elements** to validate your form.

Field Name	Validation
first_name	required
last_name	required
email	required
phone	optional
message	required

2.2.4 contact.html Further Form Validation (intermediate)

Use the javascript on change event to validate the form in realtime. When an error is detected use: `document.getElementById("<id of your input>").style.backgroundColor = "red"` to change the background colour to red. When the field validates set the `document.getElementById("<id of your input>").style.backgroundColor = ""` to indicated the input is correct.

2.2.5 contact.html Advanced Form Validation (advanced)

Using a combination of CSS and javascript, display a red tick next to the form field if it's invalid and a green tick when validated. You'll need to use the css property: `display: none` to hide the tick and cross. You'll then need to toggle the display using the javascript `document.getElementById("<id of your input>").style.display = "none"` to hide an element and `document.getElementById("<id of your input>").style.display = "inline"` to display an element.

2.3 order.html

Create a page called `order.html`, this page is going to contain the client side implementation of a basic pizza ordering system.

2.3.1 order.html Wire Frame Mock Up (core)

Sketch out a wire frame mock up of how you want to layout order.html. This can be done:

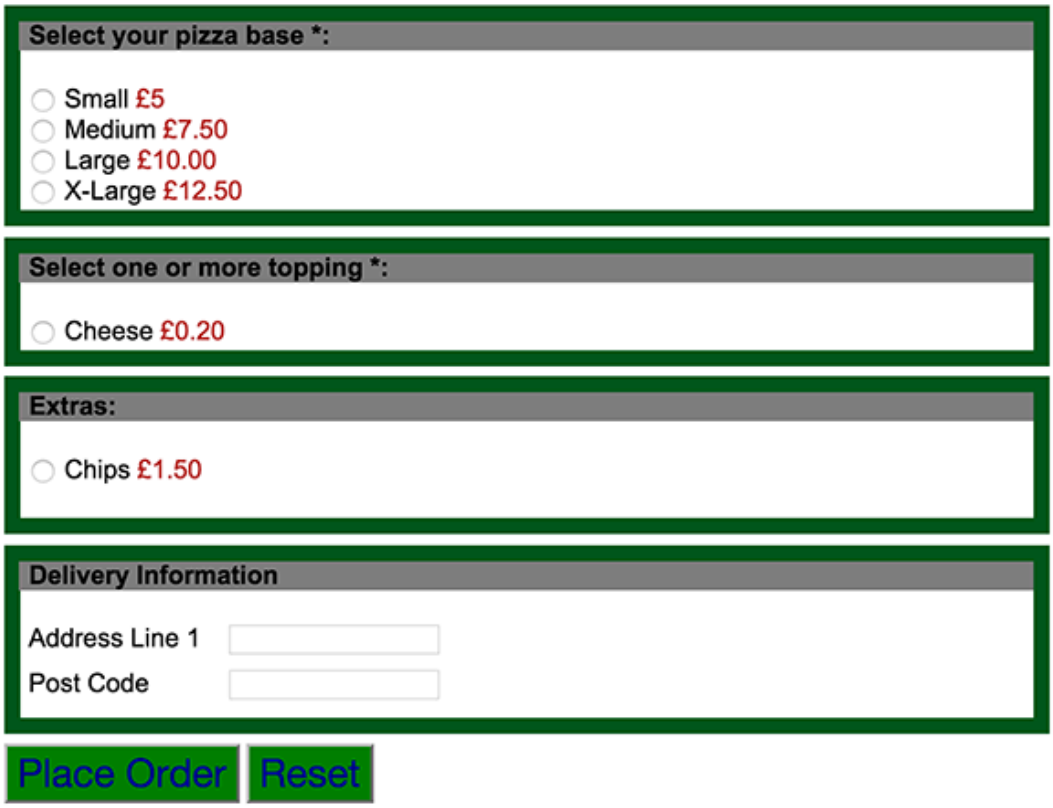
- By Hand
- Using a drawing tool such as Photoshop
- Using one of the many on-line wire framing tools

You'll need to include a image of your mock-up when you submit this assessment

2.3.2 order.html Form Layout (core)

At this stage focus solely on the HTML, using your wire frame create an order form. Below is what mine looks like, you should use this as a guide and style your form so it fits the design of the site you're making.

As you can see, currently there's not much of a choice, we'll change this later. This is why we have "select one or more topping".



Form fields

Currently, apart from delivery information all fields are of `type=radio` e.g.

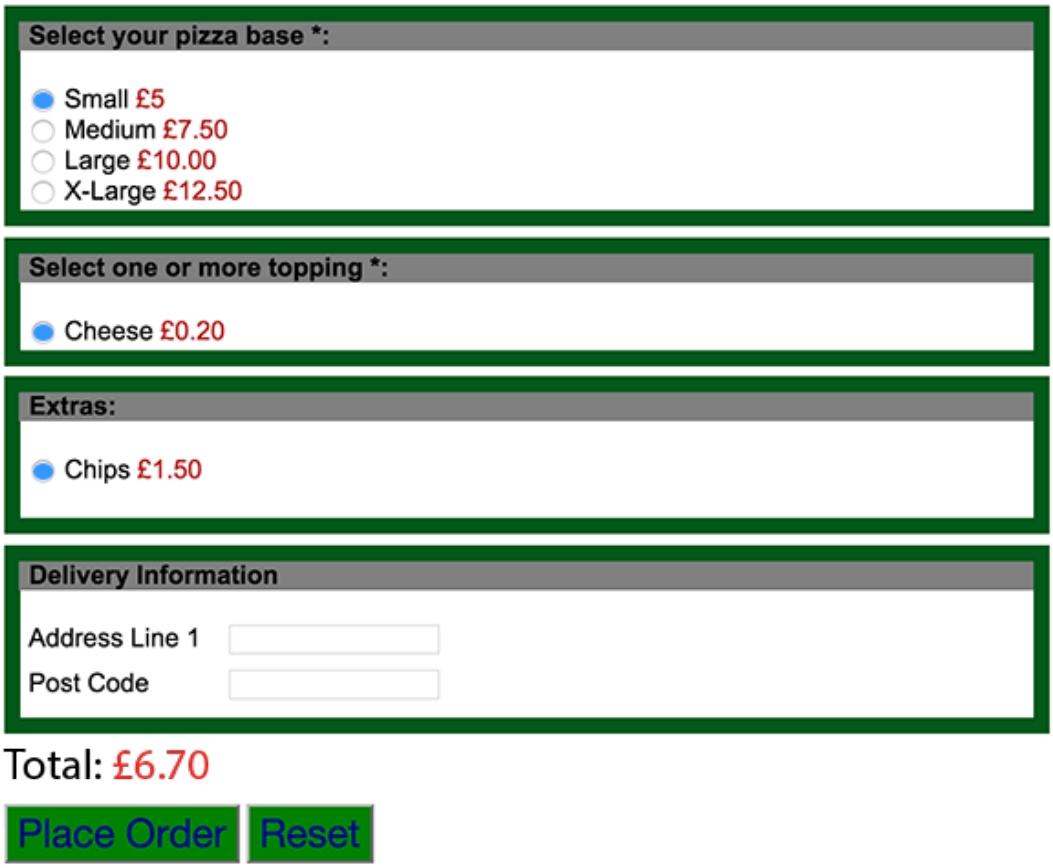
```
<input type="radio" name="base" value="base_small"> Small <span class="price">£5</span>
```

2.3.3 order.html Validation (core)

Using javascript when the place order button is pressed, ensure that at **least a pizza base and topping** has been selected. If one is missing display an error message.

2.3.4 order.html Real Time Total (intermediate)

Display the total price total that's updated every time a selection is made. Here's what mine looks like:



2.3.5 order.html Additional Toppings And Extras (advanced)

Extend the functionality to allow for multiple toppings and extras .You'll need to make the following changes:

- Change the toppings and extras form fields to `checkboxes`, this will allow multiple selections, e.g.

```
<input type="checkbox" name="extra" value="extras_chips"> Chips <span class="price"> £1.50</span>
```

- Add in the following options:

Toppings

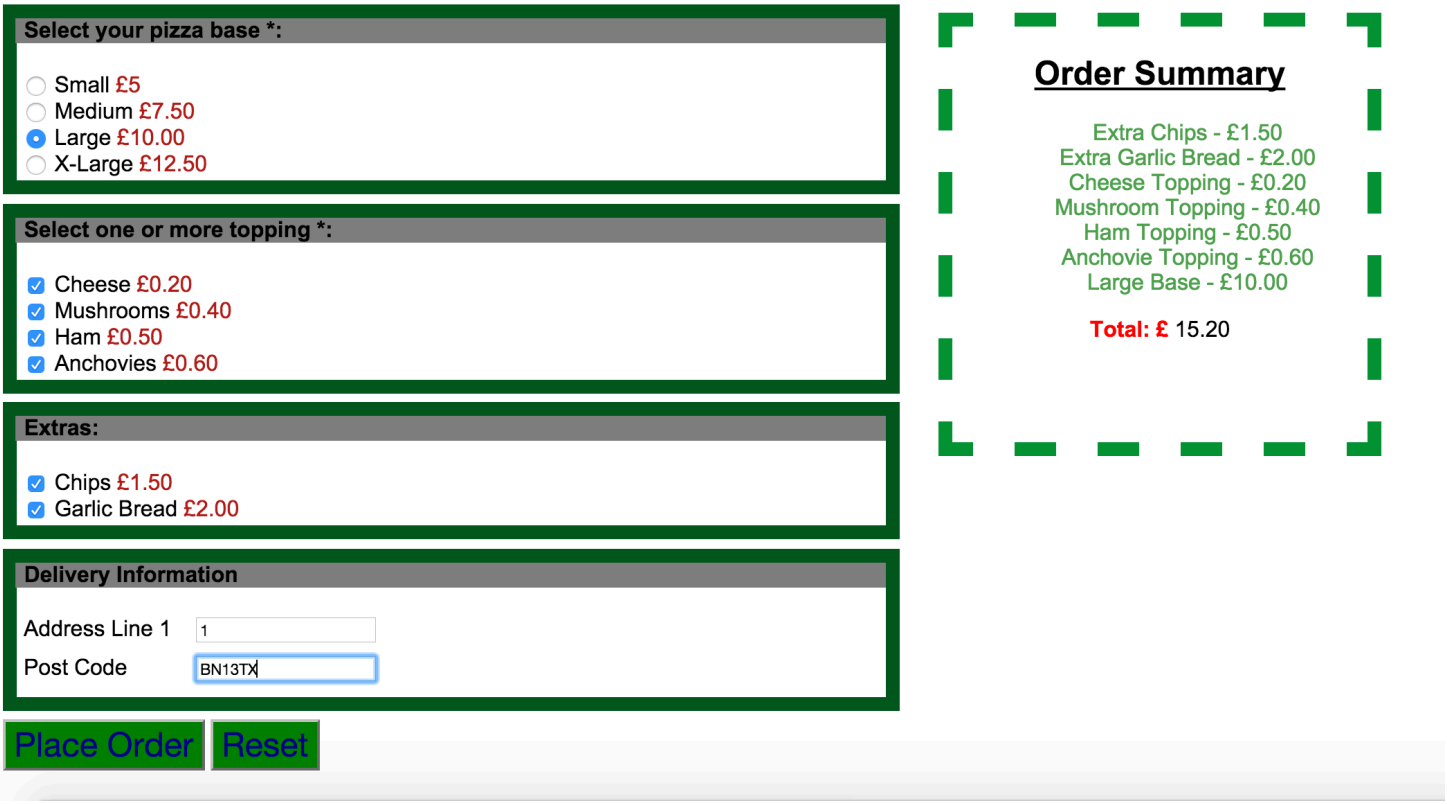
Mushrooms (£0.40p)
Ham (£0.50)
Anchovies (£0.60)

Extras

Garlic Bread (£2.00)

2.3.6 order.html An Order Summary (advanced plus)

This is tricky task and will be required only if you're aiming for a high A grade. You'll need to summarise the order in real time, below is what my final form looks like.



2.4 All Pages

2.4.1 all pages - Best Practice (core)

All pages:

- Git and GitHub should be used to version control your work
- Should have an intuitive menus and navigation that appear similar in look and feel
- Should use external CSS
- Should contain valid HTML
- Should be clear sections using either `<div>` s or more semantically descriptive **html5** elements e.g. `<article> <aside> <footer> <header> <main> ...`
- Should make Good use of `<title>` and `<meta>` tags, complying to SEO best practice
- Should have intuitive comments within the html
- Should correct use of indentations to lay out the code
- Should have a favicon

Deliverables

A zip containing the following html files along with any supporting assets (css, images etc) should be uploaded to the SOL:

- Low fidelity wire frames for the pages below
- index.html
- contact.html
- order.html
- A link to your gitHub repository containing your assessment

You should also zip up your work and submit it via myCourse.

CDA400 – ClientSide Scripting - Assignment Number 2

	A1-A4	B1-B3	C1-C3	D1-D3	F1-F3
Overall quality of site	In addition to the B1->B3 criteria, there should be no HTML errors and the HTML formatting perfectly structured in terms of indentation and commenting.	2.4.1 (Best Practice) completely followed. HTML has minimal errors and is well structured and commented.	2.4.1 (Best Practice) largely followed. HTML has minimal errors and mostly indented correctly along with intuitive comments.	2.4.1 (Best Practice) completely followed. HTML has minimal errors and is well structured and commented.	Very poor presentation and structure, numerous inaccuracies and omissions. HTML has many errors.
Understanding and proper use of technologies to standards	In addition to the B1->B3 criteria, all advanced tasks must be completed. For a high A the advanced plus task must also be fully functional.	All core and intermediate tasks completed to a high level. Most advanced tasks attempted.	All core tasks completed to a high level and most intermediate tasks attempted.	The majority of the core tasks completed.	Criteria for a D3 not met.

Rubric Derived from the Assessment Policy Annex 2 Grade Criteria SSU Academic Services 2014 (updated August 2015) available from:

http://portal.solent.ac.uk/documents/academic-services/academic-handbook/section-2/2o-assessment-policy-annex-2-grade-criteria.pdf

Late Submissions

Students are reminded that:

1. If this assessment is submitted late i.e. within 5 working days of the submission deadline, the mark will be capped at 40% if a pass mark is achieved;
2. If this assessment is submitted later than 5 working days after the submission deadline, the work will be regarded as a non-submission and will be awarded a zero;
3. If this assessment is being submitted as a referred piece of work (second or third attempt) then it must be submitted by the

deadline date; any Refer assessment submitted late will be regarded as a non-submission and will be awarded a zero.

http://portal.solent.ac.uk/documents/academic-services/academic-handbook/section-2/2o-assessment-policy-annex-1-assessment-regulations.pdf?t=1411116004479

Extenuating Circumstances

The University's Extenuating Circumstances procedure is in place if there are genuine circumstances that may prevent a student submitting an assessment. If students are not 'fit to study', they can either request an extension to the submission deadline of 5 working days or they can request to submit the assessment at the next opportunity (Defer). In both instances students must submit an EC application with relevant evidence. If accepted by the EC Panel there will be no academic penalty for late submission or non-submission dependent on what is requested. Students are reminded that EC covers only short term issues (20 working days) and that if they experience longer term matters that impact on learning then they must contact a Student Achievement Officer for advice.

A summary of guidance notes for students is given below:

http://portal.solent.ac.uk/documents/academic-services/academic-handbook/section-2/2p-extenuating-circumstances.pdf?t=1465219496259

Academic Misconduct

Any submission must be students' own work and, where facts or ideas have been used from other sources, these sources must be appropriately referenced. The University's Academic Handbook includes the definitions of all practices that will be deemed to constitute academic misconduct. Students should check this link before submitting their work.

Procedures relating to student academic misconduct are given below:

http://portal.solent.ac.uk/documents/academic-services/academic-handbook/section-2/2l-student-academic-misconduct.pdf?t=1465219589387

Ethics Policy

The work being carried out by students must be in compliance with the Ethics Policy. Where there is an ethical issue, as specified within the Ethics Policy, then students will need an ethics release or an ethical approval prior to the start of the project.

The Ethics Policy is contained within Section 2S of the Academic Handbook:

http://portal.solent.ac.uk/documents/academic-services/academic-handbook/section-2/2s-university-ethics-policy.pdf

Anonymous Marking

A copy of the University's Policy on Anonymous Marking, process details and student guidance on submission sheet completion can be found on the following links, which are also uploaded on the Student Portal.

Fact Sheet: http://portal.solent.ac.uk/documents/academic-services/policies-procedures-guidelines/anonymous-marking-fact-sheet.pdf

Process: http://portal.solent.ac.uk/documents/academic-services/policies-procedures-guidelines/anonymous-marking-process.pdf

Grade marking

The University uses a letter grade scale for the marking of assessments. Unless students have been specifically informed otherwise their marked assignment will be awarded a letter grade. More detailed information on grade marking and the grade scale can be found on myCourse.

Policy: http://portal.solent.ac.uk/documents/academic-services/academic-handbook/section-2/2o-assessment-policy.pdf