BTEC Assignment Brief

Qualification	**BTEC L3 National Diploma in Computing**
Unit number and title	Unit 15: Website Development
Learning aim	**B** Design a website to meet client requirements **C** Develop a website to meet client requirements
Assignment title	Unit 15 Assignment Brief 2016 – ICE Arena
Start date	18-11-2016
Deadline	24-04-2017
Assessor name	C Johnston

Scenario

ICE Arena is a large m ulti–purpose events arena situated on the outskirts of Coventry, within a short distance of the motorway network. It holds a variety of events from concerts to trade fairs as it's a very versatile complex.

The operations Manager of ICE Arena have asked you to produce a website that advertises a wide range of events and allo ws users to purchase tickets. The website should have a minimum of five pages, which should include:

- Details of at least 5 forthcoming events
- Multimedia advertising promoting the events
- Facilities which allow users to post feedback on shows
- A facility which allows users to buy tickets online

The completed website should be suitable for a wide audience due to the range of different events which the arena puts on and have a number of interactive features

Task

ICE Arena have commissioned you to design and implement their new website to promote the Arena and its forthcoming events. Using a suitable methodology, software tools and techniques, design and develop a high quality interactive website which is suitable for ICE Arena's their needs.

The final website should make use of
- HTML, HTML5 and subsequent updates.
- Tables to layout content
- Forms to input data (e.g. text field, text area, buttons, radio buttons, check boxes)
- Navigation, menus, hyperlinks (internal and external), anchors
- Interactive components, e.g. hot spots, pop-ups, buttons, menus, rollover images
- Colour schemes, styles and templates
- CSS, e.g. background colour, background images, text formatting, borders, padding, heading styles, element position
- Embedded multimedia/digital asset content, e.g. digital animation, digital graphics, digital audio, digital video
- Use of scripting languages and their constructs (e.g. syntax, loops, decision-making, functions, parameter passing handling events, methods) to add interactivity including alerts, choice confirmation browser detection, rollovers, checking/validating input, handling forms.

The final website should consider
- Accessibility features, e.g. alternative tags, zoom features, text-to-speech
- The World Wide Web Consortium (W3C®) standards for accessibility and HTML compliance
- Platform compatibility, e.g. browser, operating system, mobile devices

As you are designing and developing the website carry out regular reviews of what you have produced to ensure that the website will meet all the user requirements. It may be worth keeping a diary which shows how you have

- organised your work
- identified and solved problems
- reviewed work and made improvements
- kept work safe and secure and showed responsible use of quoted materials

The final website will need to be fully tested, published and evaluated to ensure that it is fully working and is fit for purpose. You should also evaluate the methodologies, tools and techniques used to design and develop the website and the.

Checklist of evidence required

Design notes including analysis documentation, detailed site designs with alternatives, structure diagrams and other technical documentation.	✓
Testing documentation showing that the site is fit for purpose, has been tested on different platforms and by a range of potential users with identified issues been rectified.	✓
Records and justification of the refinements made to the designs and webpages following the analysis of collected user feedback, and of any optimisation carried out.	✓
A final hosted website which is an optimal solution to meet client requirements as closely as possible making excellent use of design techniques and features.	✓
An evaluation which gives a clear analysis of the success of the website, giving accurate and reasoned suggestions as to how it could be improved.	✓
An evaluation which gives a clear analysis of how the methodologies, tools and techniques used, the skills and behaviours adopted and the decisions made has affected the outcome of the website.	✓

Criteria Covered

Unit / Criteria	To achieve the criteria you must show that you are able to:
BC.D2	Evaluate the design and optimised website against client requirements.
BC.D3	Demonstrate individual responsibility, creativity and effective self-management in the design, development and review of a website.
B.M2	Justify the design decisions, explaining how they will meet the user's needs and be fit for purpose.
B.P2	Produce designs for a website that meets client requirements.
B.P3	Review the website design proposals with others to identify and inform improvements.
C.M3	Optimise a website to meet client requirements.
C.P4	Produce a website for an intended audience and purpose.
C.P5	Test the website for functionality, compatibility and usability.
C.P6	Review the extent to which the website meets client requirements.

This brief has been verified as being fit for purpose

Assessor	C Johnston		
Signature	C Johnston	Date	10-10-2016
Internal verifier	R Dowey		
Signature	R Dowey	Date	24-01-2017