**Pearson BTEC International Level 3 Subsidiary Diploma, Foundation Diploma, Diploma, Extended Diploma**

**Recommended time** 20 hours

**Paper reference**

**41060M**

**You do not need any other materials.**

**Information Technology**

**UNIT 6: Website Development Pearson Set Assignment Brief**

**Single Part Assessment**

**December 2024 – Version 1**

For use with:

# Pearson BTEC International Level 3 qualifications in Information Technology

## Turn over



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# Instructions to Teachers and Tutors

The Pearson Set Assignment will be assessed internally by the centre using the unit assessment criteria detailed in the qualification specification. The Pearson Set Assignment will be sampled by the Standards Verifier as part of the standards verification annual centre visit.

# Conditions of supervision

The Pearson Set Assignment should be undertaken in conditions that assure the authenticity of outcome. This may require supervision.

We advise that the Pearson Set Assignment be completed in sessions that come to a total of 20 hours. The Pearson Set Assignment should not be shared with learners prior to the start of the assessment period. Teachers/tutors are responsible for security of the Pearson Set Assignment and materials.

# Outcomes for submission

Learners must complete this set assignment on a computer using suitable office productivity software and development environments. Learners must save their work regularly and ensure that all materials can be identified as their work.

Learners must submit their own, independent work as detailed in the Pearson Set Assignment. Each learner must complete an authentication sheet.

# Instructions to Learners

Read the Set Assignment Information and Set Assignment carefully.

You will be asked to carry out specific activities, under supervised conditions, using the information provided.

At all times you must work independently and must not share your work with other learners.

# Set Assignment Information

WorkHub Central is a modern co-working space that provides flexible office solutions for freelancers, startups, and small businesses. Located in the heart of the city, WorkHub Central prides itself on fostering innovation, networking, and productivity. With increasing demand for remote workspaces, the company has decided to develop a new website to better inform potential clients about its services and streamline the booking process.

Your web development company has been contracted to design and create the new website for WorkHub Central.

The table shows some basic information about the company, as was well as some of its requirements. You should use this information to help you when designing and creating the website.

|  |  |
| --- | --- |
| **Services and products offered** | * Workspace Options (hot desks, dedicated desks, private offices). * Meeting Rooms. * Review forums. * Community Perks * Other services:   + High-speed Wi-Fi.   + Free coffee, tea, and snacks.   + Printing and scanning services.   + Quiet zones and brainstorming areas.   + Virtual office services (mail handling, business address). |
| **Packages offered** | * Day Pass:   + Book of the month   + Access to one review forum and discussion group   + Bookmark and drinks mug   + Refreshments x 1 – box of coffee or tea. * Flex Membership:   + 10 days of hot desk access per month   + Discounts on meeting room bookings and workshops * Dedicated desk membership:   + Book of the month and three own choice books   + Permanent desk in a shared workspace.   + Locker for personal storage.   + Priority access to meeting rooms and events. * Prive office membership:   + Private office space for 2–10 people.   + Personalized office setup options.   + Full 24/7 access with unlimited use of meeting rooms. * Custom plans are available for clients who request tailored solutions for unique needs (e.g., event hosting, long-term private offices). |
| **Initial website requirements** | * Modern and engaging design. * Provide potential clients with information about:   + the company and the services and products it offers   + Upcoming networking events and workshops. * Allow clients to contact the company to ask for further information. * An adaptive layout for users accessing with either mobile or desktop browsers. * Accessibility features to enable a wide range of users to use the website easily. |

# Table 1

**Set Assignment**

You must complete ALL activities.

# ACTIVITY 1 – suggested time 2 hours

The owners of the company are eager to have a high-quality website and have asked you to provide them with information about how other websites meet the needs of the website owners.

You should research two websites that have a similar purpose and/or in a similar area of business.

You must:

* compare the design and features of the two identified websites
* consider the suitability of the websites’ features and design for the intended purpose and audience
* analyse how web design and development principles are used
* provide a supported evaluation of how well each website meets the needs of the website owner and its users.

You should consider any positive or negative aspects of the two websites. Use specific examples of these to support the points you make in your report.

This activity covers learning aim A. A.P1, A.M1, A.D1

# ACTIVITY 2 – suggested time 4 hours

The owners of the company would like to see some initial designs for the website before you start developing it.

Create comprehensive designs for the web site which include:

* identification of user requirements
* visual designs for the pages
* alternative design options
* technical documentation.

You should use the Set Assignment Information and what you learned through your research in Activity 1 to inform your designs.

This activity covers learning aim B. B.P2

# ACTIVITY 3 – suggested time 2 hours

You now need to seek feedback in order to improve the quality and appropriateness of your designs. You must:

* show your designs to others
* gather and analyse the feedback you receive
* identify areas of the designs that could be improved
* further develop/improve your designs using the feedback given.

You must provide justification of your design decisions, including how you responded to any feedback you received. You should include:

* how the designs will meet user needs and be fit for purpose
* consideration of alternative design options
* which suggested changes you made, which you didn’t and why.

This could be in the form of annotations on the designs or as an additional piece of written evidence.

This activity covers learning aim B. B.P3, B.M2

# ACTIVITY 4 – suggested time 10 hours

You must now develop the website for the client. During the development of the website you must:

* create the website using suitable tools and content
* use appropriate test plans, test schedules and data to test the website for:
  + functionality
  + compatibility (with different devices and browsers)
  + usability (including user testing).

You must also seek feedback in order to improve the quality and appropriateness of your website. You must:

* show your website to others
* gather and analyse the feedback you receive
* identify areas of the website that could be improved
* further develop/improve your designs using the feedback given.

During testing and feedback activities you should collect any results and feedback you have received and document how you have responded to any problems or errors identified. This evidence should include:

* ‘before’ and ‘after’ versions of the website showing notable changes made during development
* details of how the website has been ‘optimised’ based on results of testing and user feedback.

This activity covers learning aim C. C.P4, C.P5, C.M3

# ACTIVITY 5 – suggested time 2 hours

The development of the website is now complete and your manager has asked you to review the extent to which the project meets the client’s needs.

Write an evaluation of the design, development and optimisation of the website. Your evaluation must:

* consider how effectively the website:
  + meets the client’s requirements
  + appeals to and meets the needs of the target audience
  + achieves its stated purpose
* compare features of the final website with other solutions that could have been used
* provide a detailed and balanced evaluation of what the website does well and areas for improvement
* review your own skills, performance and behaviours and the impact that this had on the development of the final website.

Your evaluation should be supported by evidence from all stages of the project to reach conclusions and suggest developments.

This activity covers learning aims B and C. C.P6, BC.D2, BC.D3

# Assessment Criteria

|  |  |  |
| --- | --- | --- |
| **Pass** | **Merit** | **Distinction** |
| **Learning Aim A: Understand the principles of website** | | **A.D1** Evaluate how the principles of website design are used to produce creative, high performance websites that meet client requirements. |
| **development** | |
| **A.P1** Compare the | **A.M1** Analyse how the |
| principles of website design | principles of website |
| used in two websites, | design are used to produce |
| including their suitability | creative, high performance |
| for the intended audience | websites that meet client |
| and intended purpose. | requirements. |
| **Learning Aim B: Design a website to meet client requirements** | |  |
| **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. | **B.M2** Justify the design decisions, explaining how they will meet the user’s needs and be fit for purpose. | **BC.D2** Evaluate the design decisions and optimised website against client requirements, explaining how they will meet the user’s needs and be fit for purpose. |
| **Learning Aim C: Develop a website to meet client requirements** | |
| **C.P4** Produce a website for an intended audience and test the website for  functionality, compatibility, usability and purpose.  **C.P5** Test the website for functionality and usability. | **C.M3** Optimise a website to meet client requirements. | **BC.D3** Demonstrate individual responsibility, creativity and effective self- management in the design, development and review of a website. |
| **C.P6** Review the extent to which the website meets clients requirements. |  |  |