Think about Work-based project with questioning Level 4 ST0116 Software Developer V1.1

On the day of this assessment you will carry out:

- A 60-minute questioning session
- Remote or face-to-face
- In a suitable, controlled environment free from distraction
- With an end-point assessor

Key point

You will have already submitted your written project report by the end of week 9 of your EPA.

Do

- [ ] Review the criteria associated with the work-based project with questioning - this can be found in the EPA Kit and in the table at the end of this document
- [ ] Ensure a quiet room is available and that there are no interruptions
- [ ] Be prepared to answer at least 12 questions and any follow-up questions that your assessor may ask

Don't

- [ ] Forget to bring your ID
- [ ] Forget to plan

Next steps

- Results can take up to 7 working days to be confirmed
- Your manager or training provider will inform you of the results

Resits

- If you do not achieve a pass result on the work-based project with questioning, you can resit the assessment

Use the table below to plan and prepare for the work-based project with questioning.

(P) indicates pass criteria
(D) indicates distinction criteria

Assessment criteria	Key points to remember
(P) Explain the roles and responsibilities of all people working within the software development lifecycle, and how they relate to the project (K2)	
(P) Outline how teams work effectively to produce software and how to contribute appropriately (K6)	

(P) Outline and apply the rationale and use of algorithms, logic and data structures (K9, S16)	
(P) Review methods of software design with reference to functional/technical specifications and apply a justified approach to software development (K11, S11, S12)	
(P) Create logical and maintainable code to deliver project outcomes, explaining your choice of approach (S1)	
(P) Analyse unit testing results and review the outcomes correcting errors (S4)	

(P) Identify and create test scenarios which satisfy the project specification (S6)	
(P) Apply structured techniques to problem solving to identify and resolve issues and debug basic flaws in code (S7)	
(P) Review and justify your contribution to building, managing and deploying code into the relevant environment in accordance with the project specification (S10)	
(P) Establish a logical thinking approach to areas of work which require valid reasoning and/or justified decision making (B2)	

(P) Describe how you have maintained a productive, professional and secure working environment throughout the project activity (B3)	
(D) Compare and contrast the requirements of a software development team, and how you would ensure that each member (including yourself) were able to make a contribution (K6)	
(D) Evaluate the advantages and disadvantages of different coding and programming techniques to create logical and maintainable code (S1)	
(D) Analyse the software to identify and debug complex issues using a fix that provides a permanent solution (S7)	

(D) Evaluate different software development approaches in order justifying the best alignment with a given paradigm. (for example, object oriented, event driven or procedural) (S11)