

Level 4

BCS L4 Software Developer IfATE Version 1.1

Assessment Method 1
Work-Based Project with Questioning

Work based Project Signoff

Version 0.1
September 2021

Overview

This mapping document is to help facilitate the timely sign off for the intended work based project for Assessment Method 1.

The apprentice should complete the following project mapping to clearly explain how the proposed work based project will meet all the KSB's for Assessment Method 1.

The EPAO will review the mapping document and sign it off. In the case that more detail is needed the EPAO will provide feedback to request further information.

Top tip:

- Please take the time to fully read and understand the assessment plan for this Assessment Method.

We strongly recommend that the mapping document is completed and used. Failure to do so will likely cause delays in the EPAO being able to sign off the proposed work-based project.

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Assessment method 1: Project Report with Questioning

Apprentice Details

Name	
ULN	
Training Provider	
Employer	

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Project Brief

Write a short and clear explanation in the Project Mapping column how each KSB below will be met through the proposed project. The EPAO will then review.

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Project Checklist Table

This is to cross check the project work completed by the apprentice meets the KSBs required by this assessment method.

Explains the roles and responsibilities of all people working within the software development lifecycle, and how they relate to the project.			
		Project Mapping	**EPAO Feedback**
K2: Roles and responsibilities within the software development lifecycle (who is responsible for what).			

Outlines how teams work effectively to produce software and how to contribute appropriately.			
		Project Mapping	**EPAO Feedback**
K6: How teams work effectively to produce software and how to contribute appropriately.			

Outlines and applies the rationale and use of algorithms, logic and data structures.			
		Project Mapping	**EPAO Feedback**
K9: Principles of algorithms, logic and data structures relevant to software development for example: Arrays, Stacks, Queues, Linked Lists, Trees, Graphs, Hash Tables, Sorting Algorithms, Searching Algorithms, Critical sections and race conditions.			
S16: Apply algorithms, logic and data structures.			

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Reviews methods of software design with reference to functional/technical specifications and applies a justified approach to software development.			
		Project Mapping	**EPAO Feedback**
K11: Software designs and functional/technical specifications.			
S11: Apply an appropriate software development approach according to the relevant paradigm (for example object oriented, event driven or procedural).			
S12: Follow software designs and functional/technical specifications.			

Creates logical and maintainable code to deliver project outcomes, explaining their choice of approach.			
		Project Mapping	**EPAO Feedback**
S1: Create logical and maintainable code.			

Analyses unit testing results and reviews the outcomes correcting errors.			
		Project Mapping	**EPAO Feedback**
S4: Test code and analyse results to correct errors found using unit testing.			

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Identifies and creates test scenarios which satisfy the project specification.			
		Project Mapping	**EPAO Feedback**
S6: Identify and create test scenarios.			

Applies structured techniques to problem solving to identify and resolve issues and debug basic flaws in code.			
		Project Mapping	**EPAO Feedback**
S7: Apply structured techniques to problem solving, can debug code and can understand the structure of programs to identify and resolve issues.			

Reviews and justifies their contribution to building, managing and deploying code into the relevant environment in accordance with the project specification.			
		Project Mapping	**EPAO Feedback**
S10: Build, manage and deploy code into the relevant environment.			

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Establishes a logical thinking approach to areas of work which require valid reasoning and/or justified decision making.			
		Project Mapping	**EPAO Feedback**
B2: Applies logical thinking. For example, uses clear and valid reasoning when making decisions related to undertaking work instructions.			

Describes how they have maintained a productive, professional and secure working environment throughout the project activity.			
		Project Mapping	**EPAO Feedback**
B3: Maintains a productive, professional, and secure working environment.			

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