

## Highfield Level 4 End-Point Assessment for ST0116 Software Developer

### Apprentice Details

Name	
Employer	
Training Provider	

Please indicate below which piece of evidence is mapped to each KSB covered in the work-based project.

KSB	Evidence page number(s)/section(s)
<b>K2</b> Roles and responsibilities within the software development lifecycle (who is responsible for what). (WP1)	
<b>K6</b> How teams work effectively to produce software and how to contribute appropriately. (WP2, WP12)	
<b>K9</b> 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. (WP3)	
<b>K11</b> Software designs and functional/technical specifications. (WP4)	
<b>S1</b> Create logical and maintainable code. (WP5, WP13)	
<b>S4</b> Test code and analyse results to correct errors found using unit testing. (WP6)	
<b>S6</b> Identify and create test scenarios. (WP7)	
<b>S7</b> Apply structured techniques to problem solving, can debug code and can understand the structure of programmes to identify and resolve issues. (WP8, WP14)	

<b>S10</b> Build, manage and deploy code into the relevant environment. (WP9)	
<b>S11</b> Apply an appropriate software development approach according to the relevant paradigm (for example object oriented, event driven or procedural). (WP4, WP15)	
<b>S12</b> Follow software designs and functional/technical specifications. (WP4)	
<b>S16</b> Apply algorithms, logic and data structures. (WP3)	
<b>B2</b> Applies logical thinking. For example, uses clear and valid reasoning when making decisions related to undertaking work instructions. (WP10)	
<b>B3</b> Maintains a productive, professional, and secure working environment. (WP11)	

### Apprentice Declaration

I confirm that the evidence contained in this project mapping document is all my own work and any assistance given and/or sources used have been acknowledged.

Signed by apprentice (name)	Signature	Date