



Evidence Gathering Document for SQA Level 8 Professional Developer Award.

This document is designed for you to present your screenshots and diagrams relevant to the PDA and to also give a short description of what you are showing to clarify understanding for the assessor.

Each point that required details the Assessment Criteria (What you have to show) along with a brief description of the kind of things you should be showing.

Please fill in each point with screenshot or diagram and description.

Week 2

| Unit | Ref | Evidence |
|------|-------|--|
| I&T | I.T.5 | Demonstrate the use of an array in a program. Take screenshots of: *An array in a program *A function that uses the array *The result of the function running |

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Description here

| Unit | Ref | Evidence |
|------|-------|---|
| I&T | I.T.6 | Demonstrate the use of a hash in a program. Take screenshots of: *A hash in a program *A function that uses the hash *The result of the function running |

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Week 3

| Unit | Ref | Evidence |
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| I&T | I.T.3 | Demonstrate searching data in a program. Take screenshots of: *Function that searches data *The result of the function running |

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| Unit | Ref | Evidence |
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| I&T | I.T.4 | Demonstrate sorting data in a program. Take screenshots of: *Function that sorts data *The result of the function running |

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Week 5

| Unit | Ref | Evidence |
|------|-------|--------------------|
| A&D | A.D.1 | A Use Case Diagram |

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| Unit | Ref | Evidence |
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| A&D | A.D.2 | A Class Diagram |

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| Unit | Ref | Evidence |
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| A&D | A.D.3 | An Object Diagram |

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| A&D | A.D.4 | An Activity Diagram |

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| A&D | A.D.6 | Produce an Implementations Constraints plan detailing the following factors: *Hardware and software platforms *Performance requirements *Persistent storage and transactions *Usability *Budgets *Time |

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| Unit | Ref | Evidence |
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| P | P.5 | User Site Map |

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| Unit | Ref | Evidence |
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| P | P.6 | 2 Wireframe Diagrams |

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| Unit | Ref | Evidence |
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| P | P.10 | Example of Pseudocode used for a method |

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| Unit | Ref | Evidence |
|------|------|--|
| P | P.13 | Show user input being processed according to design requirements. Take a screenshot of: <ul style="list-style-type: none"> * The user inputting something into your program * The user input being saved or used in some way |

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| Unit | Ref | Evidence |
|------|------|--|
| P | P.14 | Show an interaction with data persistence. Take a screenshot of: <ul style="list-style-type: none"> * Data being inputted into your program * Confirmation of the data being saved |

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| Unit | Ref | Evidence |
|------|------|---|
| P | P.15 | Show the correct output of results and feedback to user. Take a screenshot of: <ul style="list-style-type: none"> * The user requesting information or an action to be performed * The user request being processed correctly and demonstrated in the program |

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| Unit | Ref | Evidence |
|------|------|--|
| P | P.18 | Demonstrate testing in your program. Take screenshots of: <ul style="list-style-type: none"> * Example of test code * The test code failing to pass * Example of the test code once errors have been corrected * The test code passing |

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Week 7

| Unit | Ref | Evidence |
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| I&T | I.T.7 | The use of Polymorphism in a program and what it is doing. |

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| Unit | Ref | Evidence |
|------|-------|------------------------|
| A&D | A.D.5 | An Inheritance Diagram |

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| Unit | Ref | Evidence |
|------|-------|---|
| I&T | I.T.1 | The use of Encapsulation in a program and what it is doing. |

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| I&T | I.T.2 | Take a screenshot of the use of Inheritance in a program. Take screenshots of: *A Class *A Class that inherits from the previous class *An Object in the inherited class *A Method that uses the information inherited from another class. |

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Week 10

| Unit | Ref | Evidence |
|------|------|---|
| P | P.11 | Take a screenshot of one of your projects where you have worked alone and attach the Github link. |

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| Unit | Ref | Evidence |
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| P | P.12 | Take screenshots or photos of your planning and the different stages of development to show changes. |

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| P | P.9 | Select two algorithms you have written (NOT the group project). Take a screenshot of each and write a short statement on why you have chosen to use those algorithms. |

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Week 12

| Unit | Ref | Evidence |
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| P | P.16 | Show an API being used within your program. Take a screenshot of: * The code that uses or implements the API * The API being used by the program whilst running |

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Week 15

| Unit | Ref | Evidence |
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| P | P.1 | Take a screenshot of the contributor's page on Github from your group project to show the team you worked with. |

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| Unit | Ref | Evidence |
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| P | P.2 | Take a screenshot of the project brief from your group project. |

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| Unit | Ref | Evidence |
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| P | P.3 | Provide a screenshot of the planning you completed during your group project, e.g. Trello MOSCOW board. |

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| P | P.4 | Write an acceptance criteria and test plan. |

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| Unit | Ref | Evidence |
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| P | P.7 | Produce two system interaction diagrams (sequence and/or collaboration diagrams). |

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| Unit | Ref | Evidence |
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| P | P.8 | Produce two object diagrams. |

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| Unit | Ref | Evidence |
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| P | P.17 | Produce a bug tracking report |

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