

PDA: Software Development
Level 8 - Student Evidence Checklist

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| Full name | Olga Maunsell | Key: A & D - Analysis and Design Unit I & T - Implementation and Testing Unit P - Project Unit |
| Cohort | E18 | |

The evidence required can be taken from your assignments, homework that you have completed on your own or by creating a specific example for the PDA.

| Week 2 | Unit | Ref. | Evidence | Done |
|--------|-------|-------|--|----------|
| | I & T | I.T 5 | Demonstrate the use of an array in a program. Take screenshots of: <ul style="list-style-type: none"> • An array in a program • A function that uses the array • The result of the function running | 05/01/18 |
| | I & T | I.T 6 | Demonstrate the use of a hash in a program. Take screenshots of: <ul style="list-style-type: none"> • A hash in a program • A function that uses the hash • The result of the function running | 05/01/18 |

| Week 3 | Unit | Ref. | Evidence | Done |
|--------|-------|-------|---|------|
| | I & T | I.T 3 | Demonstrate searching data in a program. Take screenshots of: <ul style="list-style-type: none"> • Function that searches data • The result of the function running | |
| | I & T | I.T 4 | Demonstrate sorting data in a program. Take screenshots of: <ul style="list-style-type: none"> • Function that sorts data • The result of the function running | |

| Week 5 | Unit | Ref. | Evidence | Done |
|--------|-------|-------|---------------------|----------|
| | A & D | A.D 1 | A Use Case Diagram | 05/01/18 |
| | A & D | A.D 2 | A Class diagram. | 05/01/18 |
| | A & D | A.D 3 | An Object diagram. | 05/01/18 |
| | 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: <ul style="list-style-type: none"> • Hardware and software platforms • Performance requirements • Persistent storage and transactions • Usability • Budgets • Time | |
| | P | P 5 | Create a user sitemap. | 05/01/18 |
| | P | P 6 | Produce two wireframe designs. | 05/01/18 |
| | P | P 10 | Take a screenshot of an example of pseudocode for a function. | |
| | 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 | |
| | 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 | |
| | 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 | |
| | I & T | | Coding exercise 1: Static and Dynamic testing task A | 11/02/18 |

| Week 6 | Unit | Ref. | Evidence | Done |
|--------|-------|-------|---|------|
| | I & T | I.T 7 | Demonstrate the use of Polymorphism in a program. | |

| Week 9 | Unit | Ref. | Evidence | Done |
|--------|-------|-------|---|------|
| | A & D | A.D 5 | An Inheritance Diagram | |
| | I & T | I.T 1 | Take a screenshot of an example of encapsulation in a program. | |
| | I & T | I.T 2 | Take a screenshot of the use of Inheritance in a program. Take screenshots of: <ul style="list-style-type: none"> • 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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| | P | P 11 | Take a screenshot of one of your projects where you have worked alone and attach the Github link. | 10/02/18 |
| | P | P 12 | Take screenshots or photos of your planning and the different stages of development to show changes. | 10/02/18 |

| Week 11 | Unit | Ref. | Evidence | Done |
|---------|------|------|--|------|
| | 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 | |

| Week 12 | Unit | Ref. | Evidence | Done |
|---------|------|------|--|------|
| | P | P 16 | Show an API being used within your program. Take a screenshot of: <ul style="list-style-type: none"> • The code that uses or implements the API • The API being used by the program whilst running | |

| Week 14 | Unit | Ref. | Evidence | Done |
|---------|-------|------|---|------|
| | P | P 1 | Take a screenshot of the contributor's page on Github from your group project to show the team you worked with. | |
| | P | P 2 | Take a screenshot of the project brief from your group project. | |
| | P | P 3 | Provide a screenshot of the planning you completed during your group project, e.g. Trello MOSCOW board. | |
| | P | P 4 | Write an acceptance criteria and test plan. | |
| | P | P 7 | Produce two system interaction diagrams (sequence and/or collaboration diagrams). | |
| | P | P 8 | Produce two object diagrams. | |
| | 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. | |
| | P | P 17 | Produce a bug tracking report | |
| | I & T | | Coding Exercise 2: Unit and Integration testing task B | |