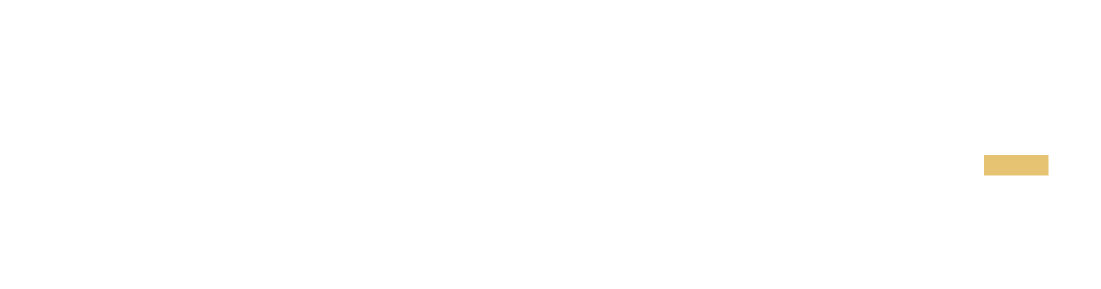
Evidence Gathering Document for SQA Level 8 Professional Developer Award.

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.

Please fill in each point with screenshot or diagram and description of what you are showing.



Each point requires details that cover each element of the Assessment Criteria, along with a brief description of the kind of things you should be showing.

**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 | |
|  |  | **Description:** | |

**Paste Screenshot here**

**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 | |
|  |  | **Description:** | |

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**Description here**

**Week 3**

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

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**Description here**

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

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**Description here**

**Week 5 and 6**

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

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| A&D | A.D.2 | A Class Diagram | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| A&D | A.D.3 | An Object Diagram | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| A&D | A.D.4 | An Activity Diagram | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| 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 | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.5 | User Site Map | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.6 | 2 Wireframe Diagrams | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.10 | Example of Pseudocode used for a method | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.13 | Show user input being processed according to design requirements. Take a screenshot of:  \* The user inputting something into your program  \* The user input being saved or used in some way | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.14 | Show an interaction with data persistence. Take a screenshot of:  \* Data being inputted into your program  \* Confirmation of the data being saved | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.15 | Show the correct output of results and feedback to user. Take a screenshot of:  \* The user requesting information or an action to be performed  \* The user request being processed correctly and demonstrated in the program | |
|  |  | **Description:** | |

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**Description here**

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

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**Description here**

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

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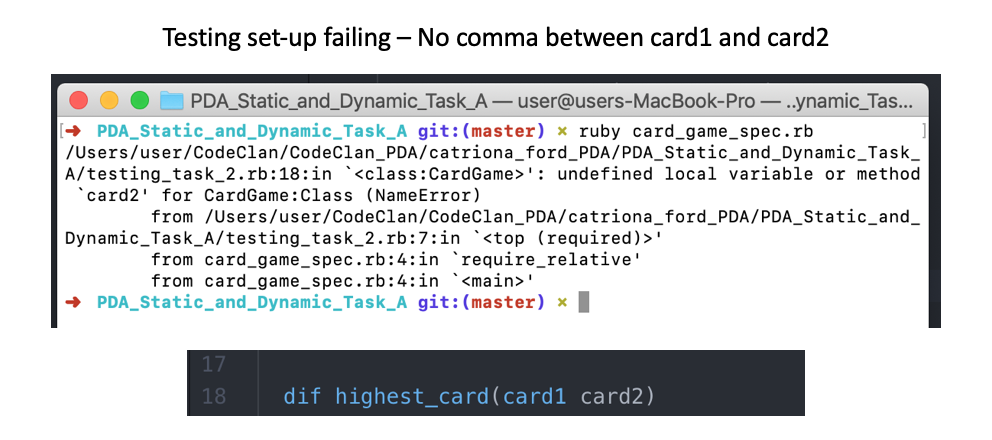
**Week 7**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| 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 | |
|  |  | **Description:** | |

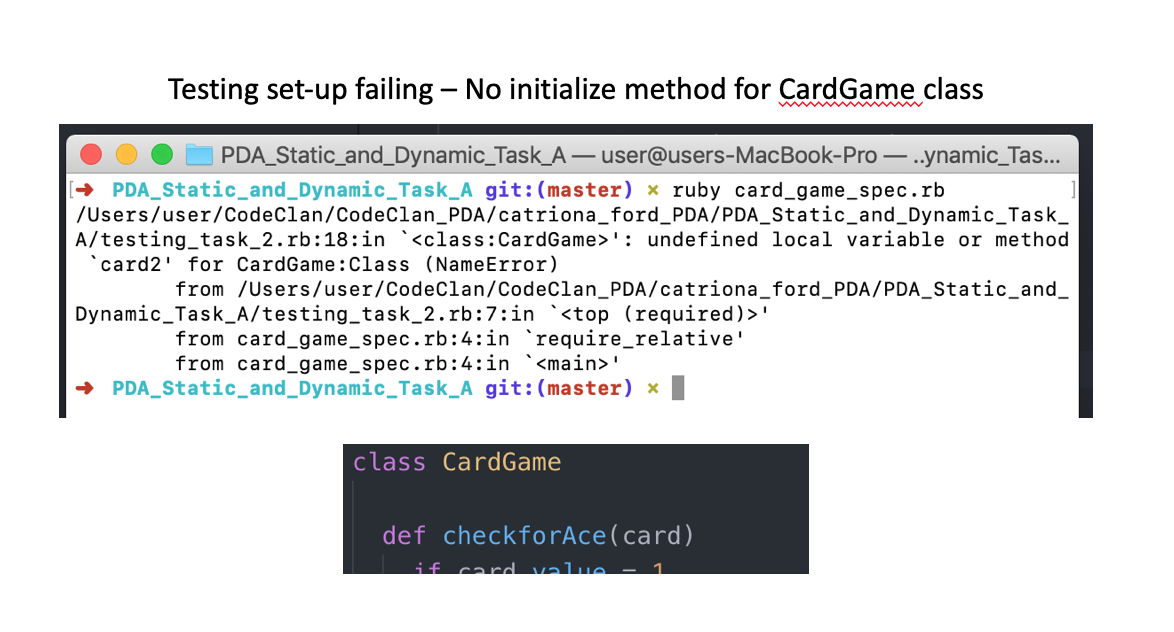
**Paste Screenshot here**

**Description here**

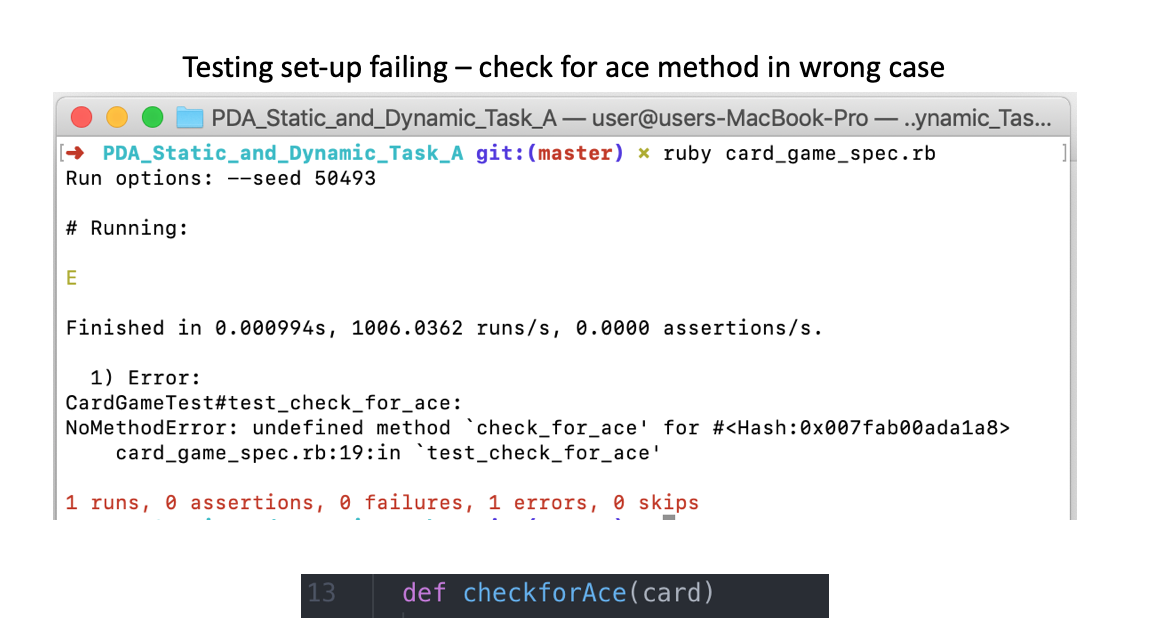
| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.18 | Demonstrate testing in your program. Take screenshots of:  \* Example of test code  \* The test code failing to pass  \* Example of the test code once errors have been corrected  \* The test code passing | |
|  |  | **Description:** | |

****

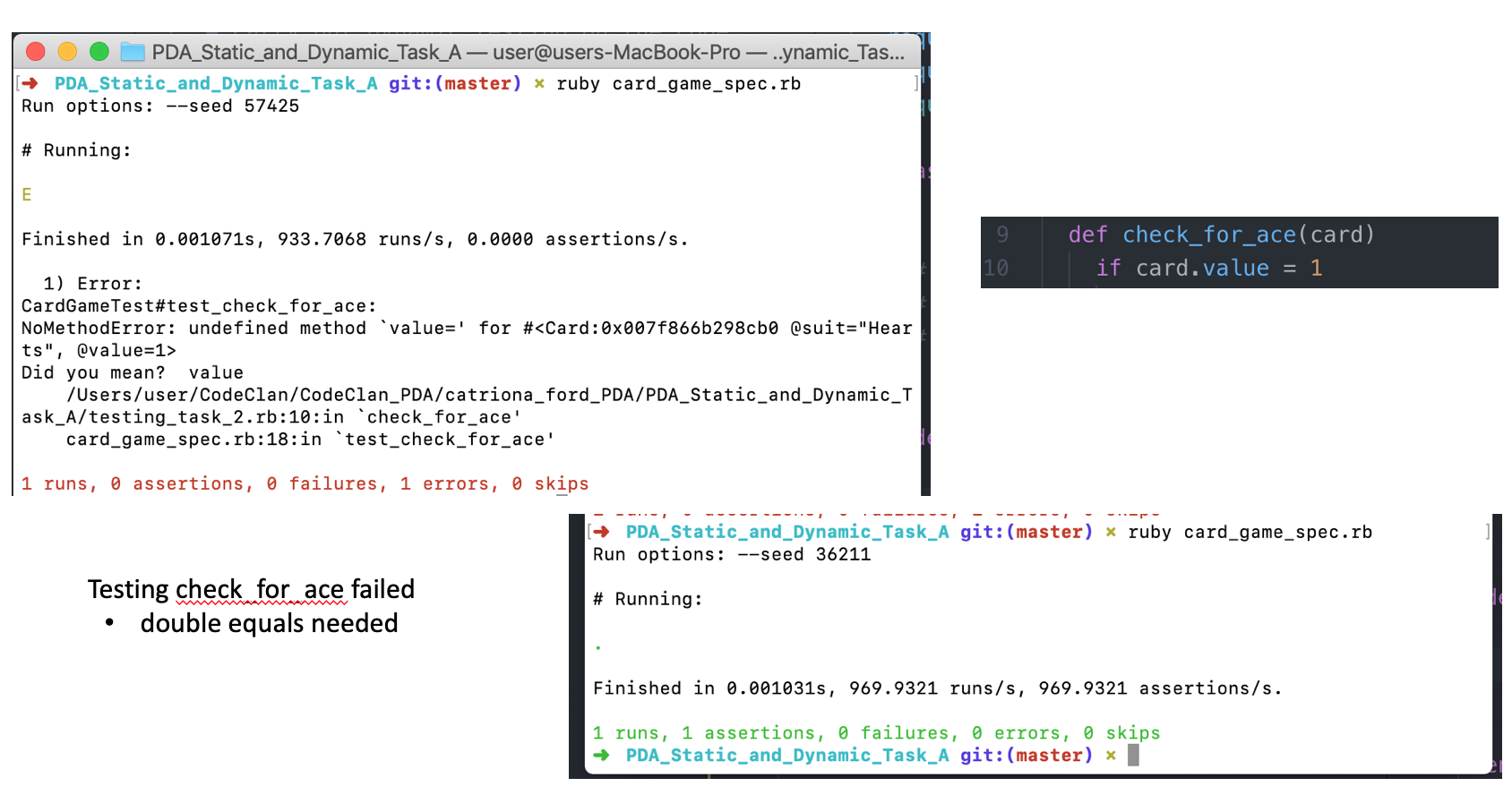
Testing set-up failing

****

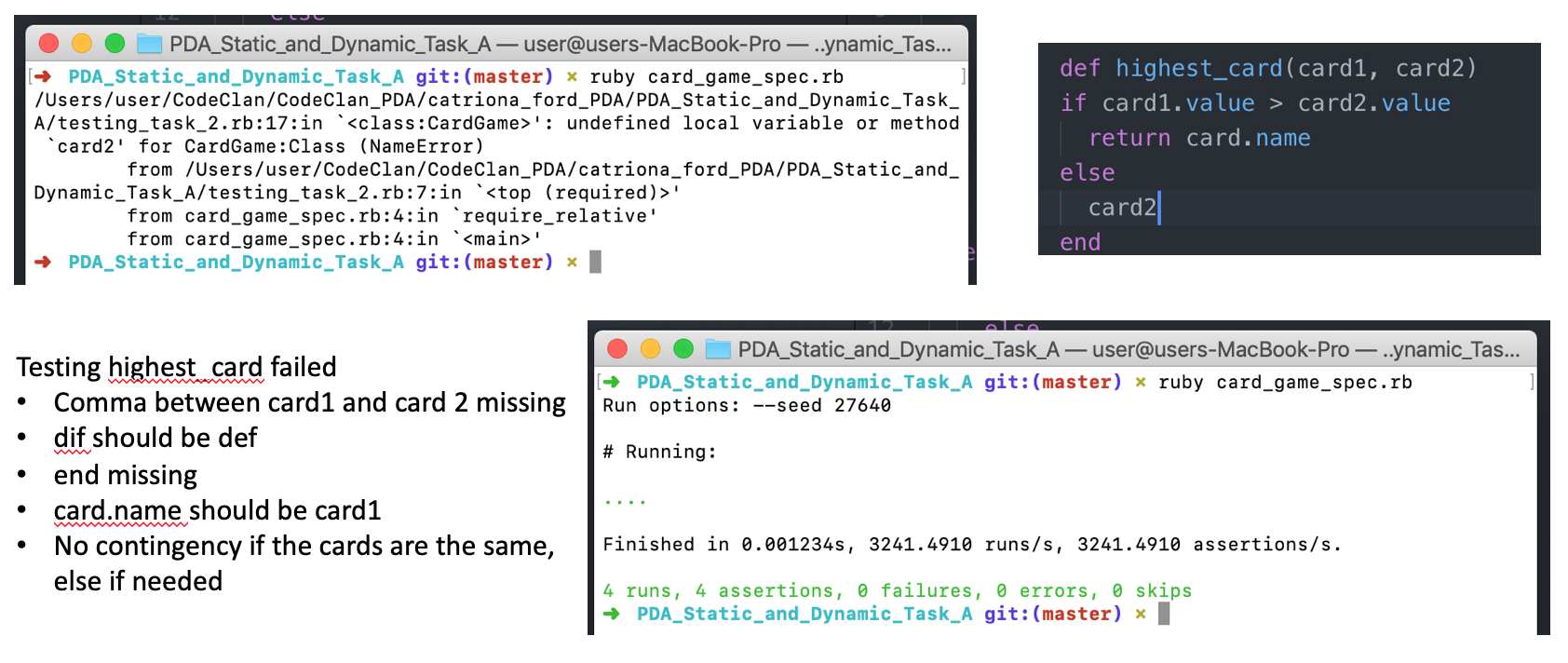
Testing Set-up Failing

****

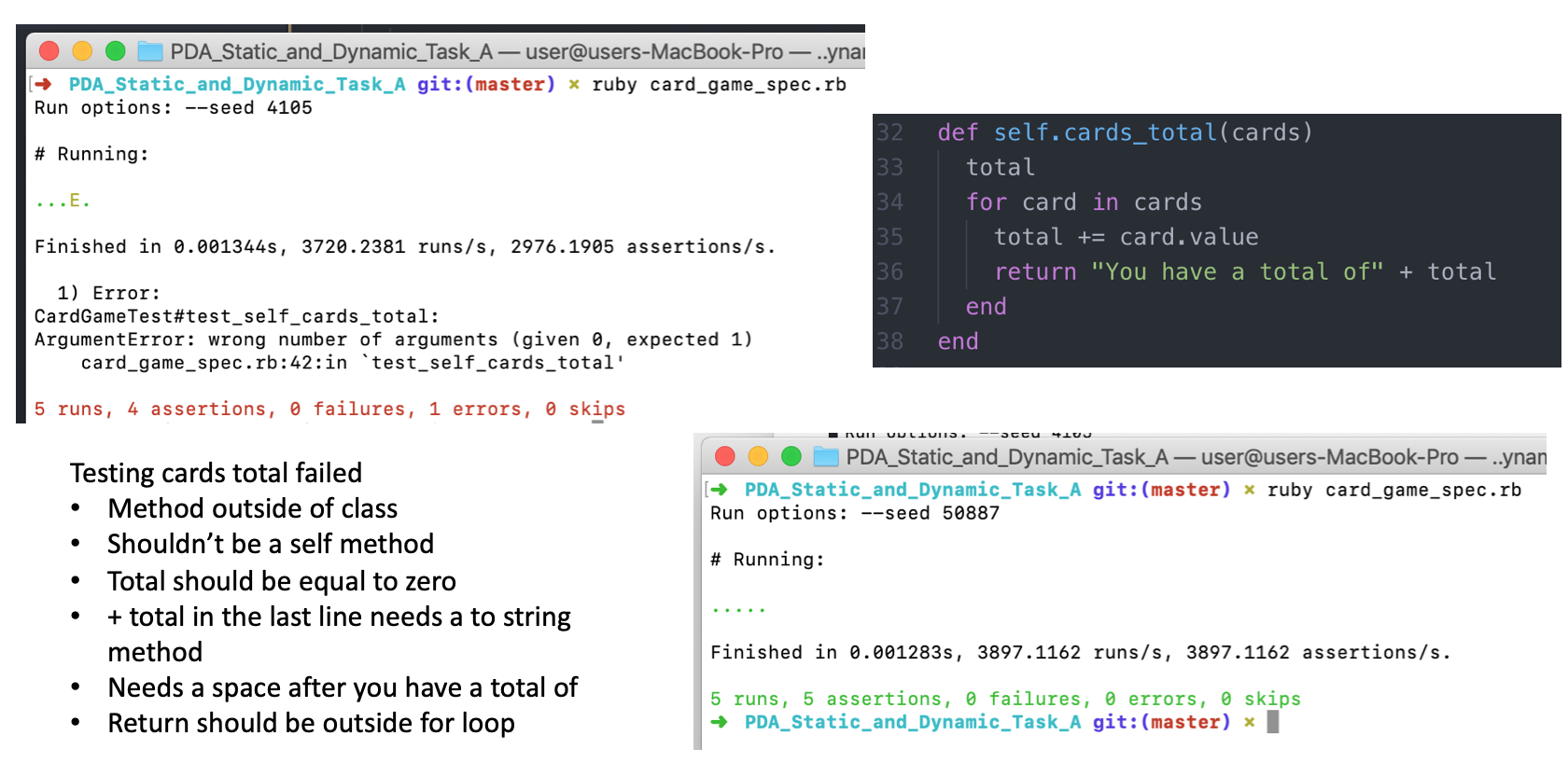
Test set-up failing

****

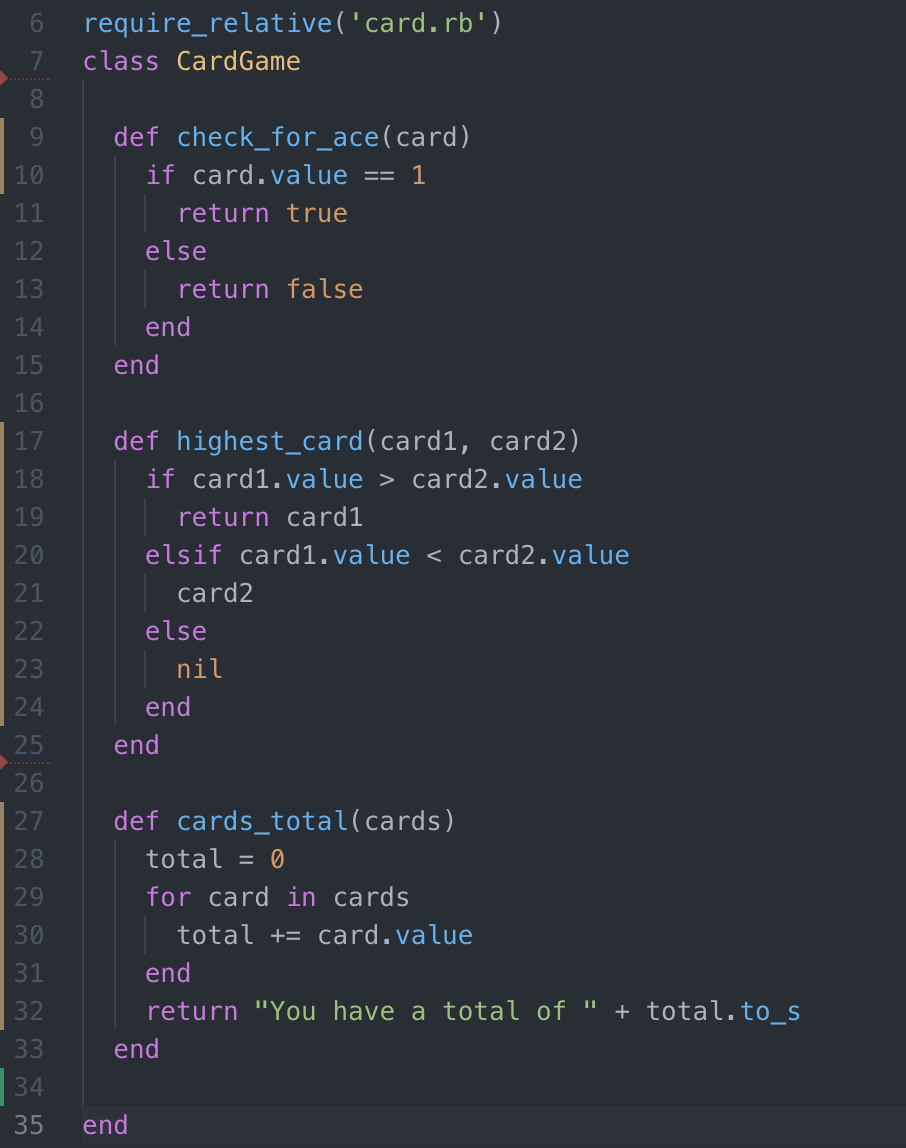
Tests for check\_for\_ace method failing then passing

****

Tests for highest\_card method failing then passing

****

Tests for cards\_total method failing then passing

****

**Description here**

**Week 9**

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

**Paste Screenshot here**

**Description here**

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

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**Description here**

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

**Paste Screenshot here**

**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.4 | Write an acceptance criteria and test plan. | |
|  |  |  | |

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**Description here**

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

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.8 | Produce two object diagrams. | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| P | P.17 | Produce a bug tracking report | |
|  |  | **Description:** | |

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**Description here**

**Week 12**

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

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**Description here**

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

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**Description here**

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

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| 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. | |
|  |  | **Description:** | |

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**Description here**

| Unit | Ref | Evidence |  |
| --- | --- | --- | --- |
| 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. | |
|  |  | **Description:** | |

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**Description here**