Student Class Test Plan

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Version History:

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| --- | --- | --- | --- |
| Version | Date | Author(s) | Change Description |
| 1.0 | 17/06/2020 | Jack Church | Creatiion and finalisation. |

# Introduction and Objectives

Testing is to take place to verify operators and methods in specific classes have been sucessfully overloaded or overriden.

# Scope

## In Scope

* Setup of Visual Studio 2017.
* Creation of Unit Test code.
* Creation of test plan.
* Creation of a desk check.

## Out of Scope

* Installation of Windows.
* Accurment of hardware.
* Testing of other classes no mentioned in the Intoduction.
* Advise on how to resolve errors.

# Test Strategy

Testing will take place by the unit testing method for the required operators and methods in the required classes.

# Functions To Be Tested

Test the below classes have had the below operators and methods overloaded or overriden correctly.

Classes:

1. Person
2. Student (base is Person)
3. Course

Operators and Methods:

1. Overloaded == and != operators.
2. Overriden Equals() and GetHashCode() methods.

# Resources and Responsibilities

* 1 Product owner who owns the project.
* 1 Lead Tester to setup, conduct the testing and report finding back to the Product owner.

# Deliverables

|  |  |  |
| --- | --- | --- |
| Deliverable | Responsibility | Completion Date |
| Develop Test cases | Lead Tester | 17/06/2020 |
| Execute Tests | Lead Tester | 17/06/2020 |
| Document and communicate results | Lead Tester | 17/06/2020 |

# Dependencies

* The Lead Tester has knowdge of C# and .NET programming.
* The Lead Tester has no prior commiments, personal or business reasons for not being able to perform the tests.

# Risks

* The risk of one tester not being available to test on the day can be mitigated by requesting the second tester on standby.
* The tests to be performed can be done in one day by one tester.

# Documentation

The following documenttation will be available at the end of the test phase:

* Test Plan (this document).
* Desk Check.

# Approvals

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| Product Onwer Signature |  | Printed Name |  | Date |
|  |  |  |  |  |
| Lead Tester Signature |  | Printed Name |  | Date |
|  |  |  |  |  |
| Witness Signature |  | Printed Name |  | Date |