# Informatics 1: Object Oriented Programming

## Assignment 2 - Report

**<ENTER YOUR UUN>**
**<ENTER THE DATE OF SUBMISSION>**

## Basic

<TODO: Very short section intro e.g. "This section does X and Y">

List of desired program features:
- <TODO: Describe feature 1>
- <TODO: Describe feature 2>
- ...

Program specification:
<TODO>

Additional requirements
<TODO>

## Intermediate

<TODO: Very short section intro e.g. "This section does X and Y">

| Program functionality | | |
|---|---|---|
| Requirement | Issue | Proposed solution |
| The program should be able to print out the total cost of the shopping basket | Instead of printing the total cost, it prints out the number of items in the basket | The error occurs on line 123 in SomeClass, where you ... |
| | | |

| Code quality | | | |
|---|---|---|---|
| Code affected | Issue | Proposed solution | Explanation/justification |
| Method "foo" of SomeClass | Robustness: Program crashes when ... | Test for and catch invalid input by ... | The program will no longer crash and the user receives an informative error message. |
| Line 123 in SomeClass | | | |

**Note: If you want to refer to code by line number, you must use the line numbers in the provided code. These may change if you e.g. add comments to the code to help your own understanding!**

| Code documentation | | | |
|---|---|---|---|
| Code affected | Issue | Proposed solution | Explanation/justification |
| The whole of SomeClass | Code is not commented at all | At the very least, methods A, B and C need an explanation of the parameters they take. | Explaining how to call your methods properly makes it easier for others to use your code and reduces error. |
| | | | |

## Advanced

<TODO: Very short section intro e.g. "This section does X and Y">

Method "m1":
Proposed method name: somethingMoreDescriptive
Description of what it does: <TODO>
Description of how it works: <TODO>

Method "m2":
...

Question 1: What kind of data structure is this and what would be a better class name?
<TODO>

Question 2: What are the advantages and disadvantages of the chosen data representation?
<TODO>

Question 3: Is there any justification for writing code like this (why/why not)?
<TODO>