## COMP1811 - Python Project Report

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** |  | | |
| **Login id** |  | | |
| **Group member names** |  |  |  |
| **Group member login IDs** |  |  |  |

# Brief statement of features you have completed

*(THIS SECTION SHOULD BE THE SAME FOR ALL GROUP MEMBERS)*

|  |  |
| --- | --- |
| 1.1 Circle the parts of the coursework you have **fully completed and are fully working**. Please be accurate. | **Part A**  A.1  A.2  A.3  A.4  A.5  A.6  **Part B**  B.1  B.2  B.3  B.4 |
| 1.2 Circle the parts of the coursework you have **partly completed or are partly working.** | **Part A**  A.1  A.2  A.3  A.4  A.5  A.6  **Part B**  B.1  B.2  B.3  B.4 |
| Briefly explain your answer if you circled any parts in 1.2 | |

# Concise List of Bugs and Weaknesses

*A concise list of bugs and/or weaknesses in your work (if you don't think there are any, then say so). Bugs that are declared in this list will lose you fewer marks than ones that you don't declare! (****100-200 word****, but word count depends heavily on the number of bugs and weaknesses identified.)*

*(THIS SECTION SHOULD BE THE SAME FOR ALL GROUP MEMBERS)*

## Bugs

*List each bug plus a brief description*

## Weaknesses

*List each weakness plus a brief description*

# Classes and OOP Features

*List all the classes used in your program and include the attributes and behaviours for each. You may use a class diagram to illustrate these classes. Your narrative for section 3.2 should describe the design decisions you made and the OOP techniques used (****200-400 words****).*

*(THIS SECTION SHOULD BE THE SAME FOR ALL GROUP MEMBERS)*

## Classes Used

## Brief Explanation of Class Design and OOP Features Used

# Code for the Classes Created

*Add the* ***code for each of the classes you have implemented yourself*** *here. If you have contributed to parts of classes, please highlight those parts in a different colour. Copy and paste relevant code - actual code please, no screenshots! Make it easy for the tutor to read. Add explanation if necessary – though your in-code comments should be clear enough. (WRITE THIS SECTION INDIVIDUALLY)*

## Class …

## Class …

## Class …

## Class …

…

# Description of the features implemented

*Describe your implementation of the required features and how well do they work. Provide some exposition of the design decisions made and indicate how the features developed by group members were integrated.   
(THIS SECTION SHOULD BE THE SAME FOR ALL GROUP MEMBERS)*

# Testing

*Describe the process you took to test your code and to make sure the program functions as required. Also, indicate the testing you’ve done after integrating code from other group members.*

*(WRITE THIS SECTION INDIVIDUALLY)*

# Annotated Screenshots Demonstrating Implementation

*Provide screenshots that demonstrate the features implemented. Give a brief description for* ***each*** *(****up to 100 words****) to explain the code in action. Make sure the screenshots make clear what you have implemented and achieved. (THIS SECTION SHOULD BE THE SAME FOR ALL GROUP MEMBERS)*

## Feature A.1 - screenshots …

## Feature A.2 - screenshots …

## Feature A.3 - screenshots …

## Feature A.4 - screenshots …

## Feature A.5 - screenshots …

## Feature A.6 - screenshots …

## Feature B.1 - screenshots …

## Feature B.2 - screenshots …

## Feature B.3 - screenshots …

## Feature B.4 - screenshots …

## …

# Evaluation

*Give a summary of your implementation and discuss what you would do if you had more time to work on the project. Answer the following questions for the reflection and write* ***350-400 words overall****. Please include an actual word count for this section. (WRITE THIS SECTION INDIVIDUALLY)*

## Evaluate how well your design and implementation meet the requirements

## Evaluate you own and your group’s performance

## What went well?

## What went less well?

## What was learnt?

## How would a similar task be completed differently?

## How could the module be improved?

# Group Pro forma

*Describe the division of work and agree percentage contributions. The pro forma must be signed by all group members and an identical copy provided in each report. If you cannot agree percentage contributions, please indicate so in the notes column and provide your reasoning.*

*(THIS SECTION SHOULD BE THE SAME FOR ALL GROUP MEMBERS)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Group Member ID** | **Tasks/Features Completed** | **%Contribution** | **Signature** | **Notes** |
| **Member 1** |  |  |  |  |
| **Member 2** |  |  |  |  |
| **Member 3** |  |  |  |  |
| **Member 4** |  |  |  |  |
|  | **Total** | 0 |  |  |

# Appendix A: Code Listing

*Provide a complete listing of all the \*.py files in your PyCharm project. Make sure your code is well commented and applies professional Python convention (refer to* [*PEP 8*](https://www.python.org/dev/peps/pep-0008/) *for details). The code listed here must match that uploaded to Moodle. Please copy and paste the actual code – no screenshots please!*

*(THIS SECTION SHOULD BE THE SAME FOR ALL GROUP MEMBERS)*