PRACTICAL ASSIGNMENT - MARKING REPORT

1. PERSONAL DATA

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Group number :** | | | | |
| No | Name | ID | Programme | Total Marks |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |

1. SUBMISSION STATUS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No soft copy/ Upload wrong file(s) | Late submission of softcopy | No hardcopy | Late submission of hardcopy | No issue |
|  |  |  |  |  |

1. COMPILATION AND RUNNING

|  |  |  |
| --- | --- | --- |
| Does not compile/Bytecode & batch file do not work | Compile but no output/ wrong output/ run-time error | Compile and produce output |
|  |  |  |

1. PRESENTATION OF SOURCE CODES(3%)
2. Indent Style (1.5%) Poor Inconsistent Good
3. Identifier names (1.5%) Poor choice Meaningful Meaningful and good naming convention
4. PROGRAM COMPONENT (57% + 3%)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Program Components | Missing/ Does not work | Major errors | Minor errors | Not robust | No issue/ Excellent design | Max marks | Marks obtained |
| Framework Design (Use of interfaces and abstract classes) |  |  |  |  |  | 10 |  |
| Classes for storing objects (data structures/containers) |  |  |  |  |  | 12 |  |
| Bin Packing Algorithms (at least 2) |  |  |  |  |  | 16 |  |
| Test program (main program, set of bins and set of objects) |  |  |  |  |  | 14 |  |
| Exception and error handling |  |  |  |  |  | 5 |  |
| Presentation of source codes |  |  |  |  |  | 3 |  |
|  |  |  |  |  | Total | 60 |  |

1. REPORT AND OTHER COMPONENT (40%)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Components | Missing | Poor | Average | Good | Excellent | Max marks | Marks obtained |
| The proposed solution and design (data structures and algorithms) |  |  |  |  |  | 8 |  |
| Discussion (efficiency and complexities) |  |  |  |  |  | 12 |  |
| Flowchart |  |  |  |  |  | 5 |  |
| UML Diagram |  |  |  |  |  | 5 |  |
| Sample input and test cases |  |  |  |  |  | 5 |  |
| Screenshots |  |  |  |  |  | 5 |  |
|  |  |  |  |  | Total | 40 |  |

Contents

[1.0 Proposed Solution 3](#_Toc196687336)

[2.0 Discussion and Complexity analysis 4](#_Toc196687337)

[3.0 Flowchart of Bin Packing Algorithms 5](#_Toc196687338)

[4.0 UML Diagram of Java Program 6](#_Toc196687339)

[5.0 Sample of input data and test cases 7](#_Toc196687340)

[6.0 Sample output(s) 8](#_Toc196687341)

[7.0 Print Out of Java Program 9](#_Toc196687342)

# 1.0 Proposed Solution

# 2.0 Discussion and Complexity analysis

# 3.0 Flowchart of Bin Packing Algorithms

# 4.0 UML Diagram of Java Program

# 5.0 Sample of input data and test cases

# 6.0 Sample output(s)

# 7.0 Print Out of Java Program