Java Programming  
  
Report #1: Object-oriented programming  
Your project name

**Class : 18CLC2-KTPM**

|  |  |
| --- | --- |
| **Your group**: | **Full name 1 – Student ID 1**  **Full name 2 – Student ID 2**  **Full name 3 – Student ID 3** |

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# Revision History

[*Provide in this section a revision history table. A such sample table is given below*]

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| <dd/mmm/yy> | <x.x> | <details> | <name> |
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|  |  |  |  |
|  |  |  |  |

# Introduction

*[You present here:*

* *The context of the project*
* *Give the reason why you choose this topic*
* *Review existing applications / resources, which functionnalities did these systems provide*
* *Propose the requirements (including functionnal and non-functional requirements) of your proposed system, clearly explain the differences/improvements between yours and the existing application.*
* *Also define the scope of your project*
* *Also present the expected outcome of this project*

*]*

# Analysis and design

*[ Provide the class diagram to show the organization of your code to be implemented. (If possible, present a general diagram to better show the class hierarchy and then the detail of each class (with main attributes and operations). You are encouraged to draw UML class diagram with Visual Paradigm).*

*Give the package diagram to show the decomposition of your code into packages (if any). Also give a brief description for each package.*

*Give the explanation to describe each figure or each class and the reason for your program's structural design.*

*Present and give explanation for all the design patterns, algorithms you use in the project.*

*]*

# Implementation

*[ You present here the way you transfer design models mentioned above into Java code]*

# Result

*[Explain what you have achieved until now, advantages, disadvantages and planned solutions (if possible)]*

# Plan

*[Give your project plan (in detail) until the end of the project: task decomposition, ressources allocation, duration of each task, etc.]*

# References

*[Provide all the resources to use in your project, including existing codes, algorithms used, books, reports, links to consult, etc. ]*