



UNIVERSIDAD DE LAS FUERZAS ARMADAS – ESPE
DEPARTAMENTO DE CIENCIAS DE LA COMPUTACIÓN
OBJECT ORIENTED PROGRAMMING

Group: #03

Group to inspect: #06

a. Class Diagram 6:45 - 7:00

i.class names are nouns in singular and UpperCamelCase

in the view package there is an attribute all in capital letters, it is not lowerCamelCase, there is no return type, likewise in the MainWindow class, it is not with lowerCamelCase, in the controller package, a method is not with lowerCamelCase, it does not have return type either

in the model package, there are attributes that are in plural.

In the useful package, the ec.edu.espe.utils should be added.

The only erroneous thing would be in the generalPayRoll, since it does not exist methods

-1

ii.dependencies are related to methods

there are not enough methods in the model package,

the employee has no methods or parameters,

there is not a good dependency between the calculator of the utils package, to the model package in generalPayRoll.

As well as there is not a good dependency between the calculator of the utils package to the model constants package.

-1

iii.association are related to attributes and multiplicity constraints, verb

If there are associations in expense in the model package

the association of the overtimehours is correct with the income, as well as the income with the individualPayroll.

The only erroneous thing would be in the generatePayRoll, since it does not exist methods

iv.aggregations or compositions have multiplicity constraint.

No comments, we visualize them well

v.classes are in the use case as nouns or in the IEEE 830 doc

There are some attributes in the IEEE 830 document, which do not exist in the class diagram, automatic, that the system must have an automatic update, there is also no data backup and recovery.

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7/10

Class Diagrams definition paragraph

The definition paragraph does complete with some classes of the class diagrams.

The requirements paragraph is more than in the class diagrams.

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9/10

Use case to Class Diagrams

There is only one connection to an author, which would be the payroll Supervisor with the review and Approve payment roles, since there is not something significant in the class diagrams.

Also, there is no Update System Parameters, since in the class diagrams there is one that is for employees but according to the use case it should be for the whole system.

There is not also the generate financial reports.

8/10

Evidence:

The screenshot shows a Google Meet session with four participants: Jerson Llumiquinga M. (Presentar), ZAITH ALEJAN..., HEIDY SOLAN..., and Andres Lainez. The main window displays a class diagram with classes like 'Empleado' and 'EmpleadoBanco'. A Word document titled 'Documento1 - Word' is open, showing a list of requirements. The requirements are:

- a. Class Diagram 6:45 - 7:00
- i class names are nouns in singular and UpperCamelCase
- en el paquete view hay un atributo todo en mayuscula, no es UpperCamelCase, asi mismo en la clase MainWindow, no esta con UpperCamelCase, en el paquete controller, un método no esta con loew
- ii dependencies are related to methods
- iii. association are related to attributes and multiplicity constraints, verb
- iv. aggregations or compositions have multiplicity constraint.
- v. classes are in the use case as nouns or in the IEEE 830 doc

The Word document also shows a status bar with 'Página 1 de 1', '86 palabras', and a zoom level of '100%'.