# UNIVERSIDAD DE LAS FUERZAS ARMADAS – ESPE

• OBJECT ORIENTED PROGRAMMING – CLASS 3248 **Group #4 – SDC** >> Adrian Páez, Alex Paguay, Brayan Patiño, Santiago Risoño <<

PHYSIOMATIC – WALKTHROUGH #1

In the first document that was made, where we described what our project was going to be about, to whom it was directed and what it required, we found the following corrections:

-The functionality of the project was corrected, since at first it was focused only on the creation of appointments, which could be viewed in order in a calendar, in addition, to be able to see the medical history of the patients who were attended and generate a report annual income, however, we did not see the latter as relevant for a professional in this area, so we changed this function by creating an invoice.

-Also, the wording of the same document was improved a bit, in order to make it easier to understand the functionality of our project.

In IEEE 830, we found the following errors that we could correct: -We improve the quality of writing, in the sense that the objectives of the software are understood by the reader.

-We identify, in a better way, our actors and use cases in our UML diagram, so that it is more easily understood.

-The functional and non-functional requirements were better identified, to order and describe them better than they were, since, at first, we were a bit lost in this part of the documentation.

-We omitted and added functions that we were not clear about, because they were doubts that were raised at that time, but when programming, we made sure of what was going on and not in our documentation.

# CLASS DIAGRAM : Update V3.0

While we were checking the Class Diagram on its latest 2.0 version, we detected some errors that were necessary to be fixed.

Those errors are detailed in this page…

1. Physiotherapist Class had some in congruent methods, such as inputPrice(), logIn(), or logOut(), and we finally decided that those methods were not useful.

2. Also there when we deleted the methods, in Physiotherapist class wasn’t any reason to leave user name and password attributes.

3. Added nameOfPatient attribute in Appointment Class.

4. Deleted Price Class as soon as we realized it was unnecessary.

5. Moved some data from Patient to ClinicalHistory.

6. Fixed errors in some specification of methods in Physiotherapist Class.

7. Added deleteClinicalHistory method to Physiotherapist class.

8. Removed getPatientInformation method from Physiotherapist class.

9. Fixed some errors in syntax of generateBill method from Physiotherapist class.

10. Fixed some errors in diagnostic ArrayList from ClinicalHistory class.

We don’t have already finished the code walkthrough because of some personal troubles from some teammates. Sorry..

SDC Team.