

UNIVERSIDAD DE LAS FUERZAS ARMADAS – ESPE

– OBJECT ORIENTED PROGRAMMING –

CLASS 3248

Group #4 - SDC

Adrián Páez, Alex Paguay, Daniel Patiño, Santiago Risueño, Yulliana Román

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

TODO:

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. Add nameOfPatient attribute in Appointment Class.
2. Delete Price Class as soon as we realized it was unnecessary.
3. Move some data from Patient to ClinicalHistory.
4. Fixe errors in some specification of methods in Physiotherapist Class.
5. Add deleteClinicalHistory method to Physiotherapist class.
6. Remove getPatientInformation method from Physiotherapist class.
7. Fix some errors in syntax of generateBill method from Physiotherapist class.
8. Fix some errors in diagnostic ArrayList from ClinicalHistory class.

TO FIX IN THE CODE...

- In the code, some errors in quality were find, such as some variables incorrectly named. (physiotepaist).
- Incongruences with some phrases in capital letters and some words with lowercase letters.
- Errors in FileManager library that were preventing system to retrieve information.
- Errors with JSON library that were preventing the program to create a *.json* file with the information.