SOFTWARE ENGINEERING PROJECT REFLECTIVE DOCUMENT

2020/2021 ACADEMIC YEAR

NAMES: Jorge Blanco Rey, Ángel Casanova Bienzobas, Rodrigo Juez Hernández, Pablo Soëtard García

WORKING GROUP: 2391   TEAM No.: 2

Date: 8/3/2021

Deliverable / Milestone: Practical Assignment 1

Submission date: 10/3/2021

Practical assignment content and procedure:

- Practical assignment procedure:

Firstly, we made a meeting with all the team members in order to share the work and also, we decided the scope of the work that we shall cover that day, then each one started doing their tasks. Finally, we made a very fast meeting to see the problems that we had developing the work and if some of us had problems with a specific part, we all could help him to finish that part in order to have it ready for the next day.

- Strengths of the practical assignment procedure:

In this procedure we have used an implementation where all the members of the team have been in contact everyday during the practice, so we all know what our partners were doing and if they need help with some issue, we could help them and save time.

- Possible improvements of the practical assignment procedure:

We think that of the practical assignment procedure that we have followed is quite good since it exploits the teamwork advantages and highlights the importance of the analysis phase against the coding one.

Identified problems:

At first, we have to reckon about an efficient way to share the work, because it is not easy to share a software project in equal chunks, but at the end we find a balance.

Learning / Acquired knowledge:

We have learned how to analyse a client proposal for a software project and to write a technical document from the information gathered from it. Some of the things that we have

learned are gather requirements from a client´s project proposal, and classify them, analyse those requirements to model a preliminary GUI. We also learned how to perform a competitive analysis in order to see how the current available solutions of the market are and improve upon them.

Reflections on future practical assignments:

We think that we have had a good workflow during this practice and that the amount of work that each of the individuals that compose this group has been equitable, hence we do not think that we should change how we will face future practical assignments.

Observations:

We this practical assignment we have observed that if we make a strong analysis, we are going to save a lot of time in the coding phase, because we already know what we need to do and how to do it, moreover we have a general idea of the whole project that will help us to understand what we are told to program.

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WORKING GROUP: 2391   TEAM No.: 2

Date: 21/04/2021

Deliverable / Milestone: Practical Assignment 2

Submission date: 23/04/2021

Practical assignment content and procedure:

- Practical assignment procedure:

Firstly, we needed to introduce the asked changes on the existing subsystems and create the new one, Statistics Management, that is, extract the new requirements. Then, we revise the requirements of Assignment 1 and divide all functional ones in input, process and output. Once we did this, we started with the Unadjusted Function Points for each subsystem and the complexity factor, to obtain the TDI of the whole system.

Then, we distributed the different subsystems in one of the three increments and calculate the percentages of each one depending on the working days. With this information we started with the MS Project. Once finished with the MS Project we just needed to comment the results obtained on the Project Plan Document.

- Strengths of the practical assignment procedure:

With this procedure we have learned how to perform a Project Plan that will be very useful in case need to repeat the process on our professional life. Also, with this procedure, we have been able to be constantly in contact all the team members and having meetings with the teacher when needed.

- Possible improvements of the practical assignment procedure:

It would have been useful to get a deeper explanation of how to use the MS Project, since we have got a lot of problems when using this new tool, because it was the first time for us.

Identified problems:

We had some problems when we tried to define if the databases that we were using were internal or external because we hesitated if Moodle is an external application or if it could be considered internal also since our login is integrated in its page.

Learning / Acquired knowledge:

We have learnt a new objective methodology for estimation the cost and the effort necessary in order to develop an entire project, this methodology is based on estimating the function points of each requirement. Also, we have understood the importance of having good organization with your team because a small halt in time could produce a chain effect on the whole developing team and ends up with a delay in the delivery.

Reflections on future practical assignments:

In the future project that we will develop, we are going to create a Grantt diagram for organizing our work and leverage the performance in time that we can have with our teammates, that is, we would share the work in such a wat that no one is waiting to the others.

Observations:

This assignment has been a real challenge for us due to this has been our first facing with a "real" formal document regarding a software project. Having to do this work leads us to reckon that software engineering is much more than coding. Indeed, the real milestone is to organize the employees that are going to transform the project into the code.

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- Practical assignment procedure:

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Date:

Summary of strengths of the SEPRO practical assignments:

Summary of possible improvements of the SEPRO practical assignments:

Comments on the evolution and progression of the SEPRO practical assignments:

Summary of problems identified during the term of the SEPRO practical assignments:

Learning / Acquired knowledge / Developed skills during the term of the SEPRO practical assignments:

Importance and applicability of portfolio production for your future profession:

Observations:

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