

Change Log

06/10/2019, Initial Report:

The main purpose of this report is to record a detailed proposal of the TFG. To describe what are the objectives to be achieved and the methodology to be used to achieve the project goals and the different steps to be followed in the development of the project.

This proposal therefore has required prior reflection and it includes the preliminary information on the issue to be addressed or the problem to be solved, specifying and commenting the sources of information used, a proposal of the objective of the TFG and how far it wants to go in the development of the matter, the general explanation of the methodology that will be followed to achieve the proposed objectives, the identification of the steps to be followed for the development of the proposed project, establishing one work planning to carry it out and the reference bibliography and complementary sources.

Here are listed the topics that we have considered changing to the Initial report, for the First Progress report:

Methodology: In the initial report, the presentation of the work has been developed, but in the methodology section there is a lack of how the project is going to be developed, which software development model will follow. We have decided that the project will follow a software development model based in incremental prototyping, the same methodology will be applied to the development of the project reports. Every time a new report is written, the report will be a step closer to the final report. The aim is to start with the development of the final report at early stages of the work.

Objectives: In the initial report, the objectives have been established, but the lack of context from the objectives makes it hard to understand them. For the next report, verbs should be used to express the objectives, and a context should follow each objective from the work.

10/11/2019, First Progress Report:

The main purpose of this report is to record the progress made at the development of the TFG. At the same time, it must ratify the planning made at the end of the initial phase and propose the changes to be made for a proper conclusion of the TFG in the academic period planned. This report includes the indication of the level of monitoring of the planning for the development of the TFG, the adjustments made together with justification, the indication of changes made to the objectives set the planned work methodology, both properly justified and the general explanation of the methodology that is being followed to achieve the goals.

The topics that have been changed after the initial report reunion are that the objectives from the project are now listed and put in context and there has been a thorough identification of functional and nonfunctional requirements that the project must meet. The project Structure has been changed. During the Initial report reunion, there was a discussion of the methodology which we had to take up which lead us to restructure the format of the report. Because of this, there has been a restructure of the sections from the report. In the initial report, there were five sections: Introduction, requirement analysis, methodology, planning and the references section. Currently, there are six sections:

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Introduction, objectives, methodology and planning, tools for development, and the development of phase 1 and phase 2 of the project. Since we are following an incremental prototyping software model, for every prototype/phase of the project, there is an analysis, a design, an implementation and test sections. The methodology and planning used to develop the project more detailed than the initial report, expressed in its convenient section and the development of the project is reported in this report. In addition, the development of the first two phases of the project have been reported to the project report, following the incremental prototyping methodology.

During the First progress reunion we discussed some changes to be done in the next iteration of the report. In the following list are listed the topics that we have considered changing to the progress report.

In Introduction section, the context, motivation and the overall objective of the project must be reviewed. In each phase of the project, for the analysis there must be an analysis of what are the functional and non-functional requirements.

In the Methodology and planning section, the actual state of evolution should be removed from the section and added to the conclusions section of the report. Since in this section we are expressing the planning of the project, a Gantt chart should be put in order to show the week scheduling of the project.

In the Implementation section for each phase, a flow diagram should be put to represent the flow of how does each phase work, to put the reader in context of how does the phase work.

Each image added to the report should have a written reference to put the image in context of what is representing.

There should be a Conclusions section, expressing the conclusions product from the development of the report.

In the References section, the references should be reviewed since the format it is not correct.

22/12/2019, Second Progress Report:

The main purpose of this report is to write the work carried out in this stage, as well as the conclusions that can be drawn from it. At the time of delivering this report, the work is in its final stage of development. It includes the indication of the level of monitoring of the planning planned for the development of the TFG, and of the adjustments made, together with their justification in the latter case. It includes the general explanation of the methodology that has been followed finally and the changes with respect to the proposal and it includes the initial presentation of the results, the provisional conclusions and the consulted sources of information.

The topics that have been changed after the first progress report reunion are that in the introduction section, the context, motivation and overall objective from this work has been restructured. In the objectives section of the paper, every objective from this work has been re written with correct sentence structure. Some objectives were missing the verb on the sentence. Some ideas that we thought as objectives were part of the methodology. In the methodology and planning, there has been added the Gantt chart displaying the week scheduling of the project and the actual state of evolution has been removed from this section. In the Implementation section for each phase of the project, a flow diagram has been put to represent the flow of how does each phase work, to put the reader in context of how does the phase work. Each image added to the report has a written reference to put the image in context of what is it representing. Tests have been conducted during the development of the project, in this report the results and result analysis is conducted in each phase.

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In this report there is a Conclusions section, expressing the conclusions product from the development of the report and the evolution of the work. The References have been reviewed.

During the second progress reunion we discussed some changes to be done in the next iteration of the report. In the following list are listed the topics that we have considered changing to the progress report.

State of the art or related work should be a section and should be included in the paper. Expressing tools, architecture, and concrete use case examples.

Since we already have overall concussions from the work, the abstract section should be included to the paper.

Benchmark testing should be a separate section, since not every phase will include performance testing.

Budgetary and time resource limitations should be a variable in the methodology and planning section.

The work paper should follow the correct IEEE template.

The format of how References are written should be checked

Spelling mistakes should be reviewed.

26/01/2020, Final Report:

The final report is the last iteration of the writing paper, is follows the format specified in the IEEE and includes the objectives, state of the art, methodology, results, conclusions and bibliography. There is a correct, accurate and synthetic use of language. The use of English and the structure in the writing of this report has been reviewed.