Computer Science

Opponent(s):

Adrián Coca Lorente

Pablo Martínez López

Respondent(s):

Erik Andreasson

Carlos José Díaz Baños

Information Visualization

---

1 A General Evaluation of the Project

This project is interesting and useful since the visualisation of the information has always been a topic that the humanity has always tried to improve. However, we think that this project has not brought anything new to this topic. The main different feature from the current work in this area would have been the 3D visualisation, which has not been achieved (or not shown in the dissertation).

2 Comments on the Project in Relation to the Dissertation

The dissertation's introduction is quite successful in explain the proposed work and its proposed features. The references to different books looking for definitions are also very good in this chapter. But, we have not found appropriate the general dissertation structure, since we think that some chapters could have been included in the background section and this structure is not good showing the actual work of the project.

2.1 Title

The title summarize what this project is about, although, perhaps it should have a subtitle saying how this approach is done.

2.2 Dissertation Layout

The general layout of the dissertation seems to be good, at first. However, when you read it, you find out that most of the chapters should be background and also that the chapters explaining the actual work are quite insufficient.

2.3 Scientific Method

We found that this have been successfully accomplished since the dissertation makes comparisons to another projects in the same field, showing the differences between them.

2.4 Argumentation and Conclusions

The argumentations of the introduction are interesting and well done. However, the argumentations in the more technical details, such as, the choose of the libraries or ide, there are several important contradictions. Therefore this makes the conclusions taken out of it unreliable.

2.5 The Abstract

The abstract gives a nice overview of what this project will be about.

2.6 Language Aspects

There are two very differentiated parts in this dissertation in terms of use of the language and also in terms of grammar and spelling.

In one part the reading goes quite smoothly, it is very well written and it is very good in transmitting what is in the writer's mind.

In the other part you can clearly see that reading is quite hard to follow. The ideas that they wanted to say are very hard to catch and they are also written with numerous grammar and spelling errors, using also, quite inappropriated language for this kind of work.

2.7 References and Sources

The sources are good for relay on them some arguments that are made in the dissertation, although some of them are not very reliable (Wikipedia sources).

The dissertation really needs to refer to more pictures and figures that guide you through the reading. We think this have an utmost importance.

There are many of the figures that are included in the dissertation which does not have any reference from the text and therefore, they are not explained.

2.8 General Comments on the Project

The general idea behind this project seems to be very useful, but, there is only one picture showing the actual work, which, we find it very insufficient and it is quite hard to figure out

what has been actually done in this project without pictures, despite, it is said what have been done. The only picture of the project does not try to show all the project's features.

3   Chapter by Chapter Evaluation of the Dissertation

3.1   Chapter 1

This chapter is very well written and it is very easy to read and to understand everything that is said in it. It explains very well all the ideas behind the project, which later on you will need to understand why several things are done. It makes a very good use of references to support their arguments.

The rest of the dissertation is also summarized in this chapter, which is a good guide to know how the dissertation is structured.

3.2   Chapter 2

This chapter continues as the chapter one did, explain the ideas needed for this project in a deeper way and relaying in references where they base their argumentation.

The first section talks about the tools used in the development of the project. We thought that the requirements should be introduced before introduce which tools they use.

When it comes to explain which libraries and language has been used, there are also some contradictions, e.g. they said that they have chosen the language Python because of the library chosen, however, all the libraries exposed are Python's libraries.

The requirements section is well explained and defined. They give you the necessary information that you need to know what the goals of their project are.

The related work states the similarities of their project with an application that they found similar to theirs.

3.3   Chapter 3

In our opinion, this chapter should be included in the background section, since, it gives an overview of the technical details needed to build their project but it does not talk about the implementation or design of their project. There are many part of this section where the language used is especially deficient, this should be changed before the final release.

3.4 Chapter 4

The GUI-module section explains briefly the structure of the program. It describes the purpose and functionality of the main classes and shows a class diagram of the program. However, the diagram does not show most of the classes explained in this chapter.

The XML-module section contains many information that we think should be in the background section. It explains in details the structure of the XML-file; nevertheless we miss a figure with an example of a final XML-file.

3.5 Chapter 5

This chapter is well structured, the requirement-result system explains briefly and clearly the work done and the results obtained in the project. However, we think it can be added some more figures of the final system showing the functionality obtained.

3.6 Chapter6

Chapter 6 shows the conclusion of the project; it also gives an idea of what to do or how to improve the final system in the future.

3.7 General Comments on the Dissertation

This dissertation could be highly improved by correcting all the grammar and spelling errors. It would be also good to add some more pictures showing the application.

4 Final Comments

The project is successful in implementing the 2D version of the required features, and some part of the 3D. However, this dissertation does not show the work done properly. We encorage to make the purporsed changes before being delivered.