

Ceng 491 Design Report Review Form

Project Topic: DIGSIM

Reviewer Company: StarSOFT

Company Reviewed: VOIDSIM

Grading

Item	Grade (over 10)
Clarity and linguistic quality of the report	8
Technical quality of the report	7
Revised problem definition	7
Time planning of the development	6
Design of data (database, files, syntax)	8.5
Architectural design	7.5
Design of program interfaces	9
Design of modules	8
Design constraints and considerations	5
Overall evaluation	8

Review Feedback

Project title: DIGSIM

Company reviewed: VOIDSIM

1. What do you think about the quality of this design?

Generally VoidSIM's Detailed Design Description Document is successful and but not technically detailed enough. We have some recommendations about the general overview of the document. These are listed below;

There are a lot of grammar and spell errors within the document. Spell check should be done. Moreover, there are a lot of logical errors probably because of copy/paste.

The outline of the document is not well organized. For example the software packages of the design should be placed under a general heading about design.

There is not any design pattern used for the project that is there is no software engineering approach.

The general information about the project is missing in the design. A person who is not accustomed to DIGSIM project, will not understand what will this project is about clearly and what will do the final tool will be used for. A detailed introduction part that describes the project should be added.

Use Cases and the scenarios according to the implementation details are not covered.

Traceability, which is an important software engineering approach, between the High Level Requirements and the Low Level Requirements are not mentioned within the document.

Development schedule is not detailed enough and clear, for example what are "Other Components".

2. Are there any missing user features that you think necessary?

A menu tool like Easy Access Menu should be represented for a more friendly experience to the users while inserting new circuit items.

Help Documentations and Help Functionalities are vital for a professional software

project and they should be represented in the GUI and other necessary component descriptions.

3. If you were going to implement this design, what would be the problems?

Individual function argument and return types are not mentioned and supported by diagrams. This is an important problem for implementing the software.

DIGSIM is a graphical tool for circuit editing but graphical definitions of the circuit components are not mentioned in the class designs. So this would be another implementation problem because libraries will be used and technical details for drawing capabilities of the circuit are not described.

Neither of the interactions between the classes and inside the classes is described clearly. These interactions should be represented by sequence and collaboration diagrams in order to enhance the understandability of the design.

4. What do you like most about this design?

Descriptions about the features of the project are clearly expressed. Scripting, XML support, import/export wizards are fully described and understandable.

5. What do you think about the report? Does it express the details of the design clearly and effectively?

If all functionalities and interactions between classes and packages were supported by diagrams, description texts would be more meaningful.