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GROUP D

This document contains information about the procedure followed during the development of the digital circuit application.

Process Report

# Choices & Decisions

First of all, our group tried to make the user interface as simple as possible while making it as functional as possible. This means that we tried to help the user to be able to create or modify the circuit by using 1-2 clicks.

## Visual

* Since our application is a bit specialized, we tried to use easily recognizable (by people in this area of expertise) images so that the user will be able to understand what they represent from the beginning.
* We used Red and Green colors for the connections to represent the Low (0 or 0V) and High (1 or 5V) logical values. The colors were chosen this way because usually such kind of software use the specific colors and this makes a user be able to start straight away without further instructions.
* Each element has different input and outputs.

## Functional

* Whenever a change in connection occurs, the values are re-calculated.
* The application contains Save/Load options as well as saving the circuit as an image file.

# Work Division

# Development Problems

During the development phase some problems occurred. In some classes there was a slight difference from the initial design as a result of the need for additional actions which could not be completed in the existing methods and had to be added as extras.

# Individual Opinions, Evaluations and Recommendations.

## Alexandros

This project made us work together as a team for most of the time. Due to some design flaws we ended up starting the implementation part later than we expected which influenced our performance a little. Such project give us a bit clearer view how large / complex programs are made, in regard to organizing and teamwork. In general I believe that we put a decent effort to following through the class even though during the creation of the design document we lost some marks because we completely forgot to explain the class diagram. Despite that personally I am happy with the way the group worked.

## Iulian

## Tomas

## Vlad