XXII TwentySecond Annual engineering · design expo2015

# Tower Illuminati

University of Idaho
College of Engineering


Team Members:
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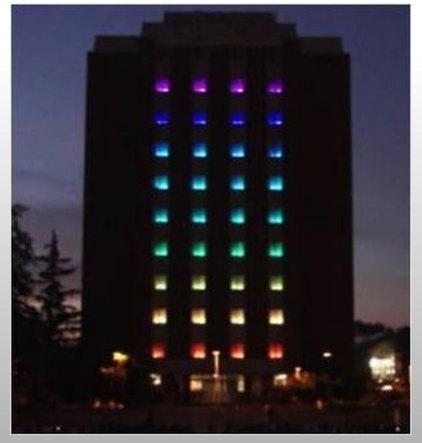
Client: Dr. Bob Rinker
Advisor: Bruce Bolden


## What was our task?

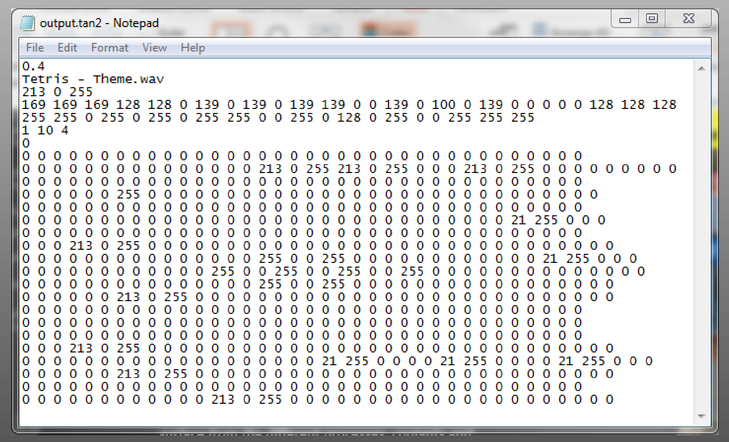
The task of the group is to come up with a suitable replacement for the current tower light animation software. The current software is very clunky and takes a long time to create an animation. Also Dr. Rinker wanted the program written in C++, which is the primary computing language of UI CS department.



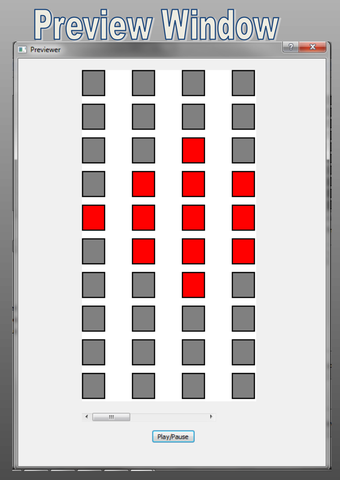
## New Features:

- Re-written in C++
- Staging Area
- New .tan2 file format
- Arrow Keys
- Improved Sorting
- Separate Preview Window
- Integrated Audio

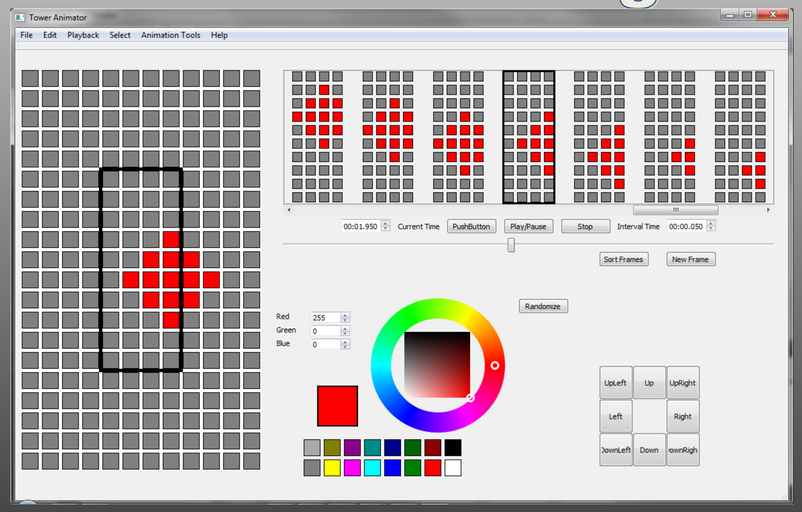
## New File Output .tan2 (tower animation)




## Preview Window



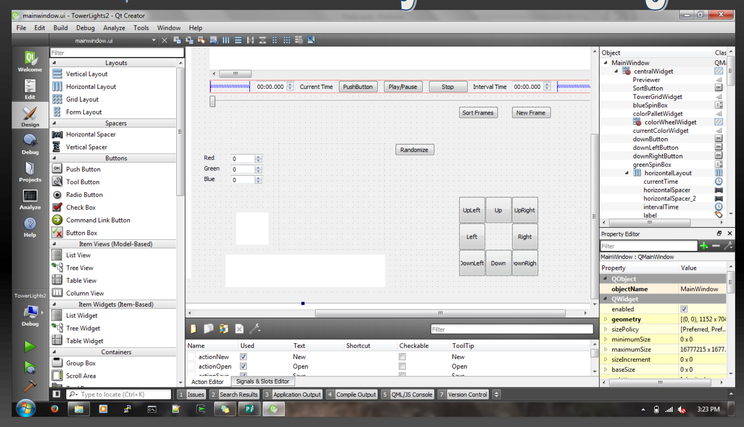
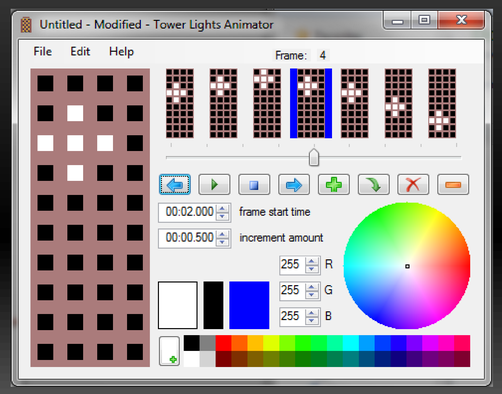

## Final GUI Design




## How did we do this?

First we decided to create a new program written in C++ using the Qt GUI libraries and Qt's development environment Qt Creator. Next we added features that allowed a creator the ability to create shows faster. We also added the ability to load projects created on old animation software.

## Qt Creator easy GUI editing



## Old GUI