

# Charlotte Towers Light Projects

## Team 14

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### Project Description:

The scheduling system used by Charlotte Center City Partners to manage city lighting is presently impeded by the technology it uses to coordinate the organization of the lighting of the skyline. Currently, the system relies upon an Excel spreadsheet to manage information about requests, stakeholders, and current building statuses. This spreadsheet is managed by one person, who also has other roles to fulfill. It also relies upon email to disperse the excel spreadsheet to any of the companies and properties that will be participating in the lighting for their approval. This does not allow for other companies to see who else is participating. Companies are using email with the system coordinator to enquire about what other companies might be participating in any specific lighting events. It is a concern that this system is inefficient and massively time consuming.

We plan to address this problem by creating a web application that accomplishes the same tasks as the old spreadsheet system, but with greater efficiency, increased automation, and quality of life improvements. What were once emails and tables will become dynamic forms and illustrative diagrams which will ultimately enhance the efficiency and ease of use of the system, saving all involved parties time and money.

### Stakeholders:

**Charlotte Center City Partners** - The main benefactors, the system aims to make their jobs easier and more efficient. Their role is to receive and screen lighting requests before they make it to property managers, and in the new system this process will be streamlined and simplified.

**Property Managers** - The system will make their process of handling lighting requests more convenient and quicker. Their role is to accept or decline lighting change requests, which will be improved in the new site.

**Charlotte Businesses** - Building occupants will have a much easier way to request, accept, and view upcoming lighting events. It will be more efficient for them to view what dates are already taken, saving both the business and the city partners time with declining requests due to conflict issues.

**Denizens of Charlotte (as well as tourists)** - Anyone witnessing the impressive Charlotte skyline will be impacted to a certain degree, whether they are local or visiting

from elsewhere. There is an emotional weight associated with the lights, both aesthetically and in regards to the causes which inspire them. In this sense, they are stakeholders in this project as well.