



Structured Chaos

First Lego League



Introduction

Our team is: Annie, Rachel, Sheri, Jacob, Noah, Gabe, Colleen, James, Sarah, Austin

We are the Structured Chaos Team.



All about First Lego League

First Lego League is a global robotics competition which helps students and teachers build a better future together.

The program is built around theme based challenges to engage youth ages 9-16 in research, problem solving, coding, and engineering.

The foundation of the program is our Core values which emphasize teamwork, discovery, and innovation.

Students emerge more confident, excited, and equipped with the skills they need in a changing workforce.

How it works

1. Each year there is a new theme such as water, outer space, elder care, and recycling.
2. Each team builds a robot and programs it to complete challenges, complete an Innovation Project, and demonstrate their Core Values.
3. This year's theme is the City Shaper Challenge.
4. **The Innovation Project is to identify a problem with a building or public space in your community, design a solution for it, and then share your solution with others and then refine it.**

Our Innovation Project Idea

- We met with Mike Applegarth in September who gave us a tour of Sandy City Hall and surrounding area
- He showed us your beautiful buildings and gardens... and he gave us a few challenges.
 - Patio isn't used much
 - City Hall is hard to navigate
 - Main handicapped entrance is not very welcoming
- We brainstormed ideas about making City Hall easier to navigate.
- We have some amazing ideas to show you!

Structured Chaos Solution - Part 1

Our solution to better navigate Sandy City Hall is a mix of “Tried and Tested” and “New and Innovative” ideas. We have three ideas we would like you to implement.

1. Add several new-style wall maps at strategic points around the building.
2. Add inexpensive, proven kiosks at the building entry points.
3. Upload building floor plan to google indoor maps to let smartphone users navigate the building.



Maps: We looked at some of the currently existing maps and believed they can be improved.

- Simple adjustments such as adding a “you are here” symbol would be of great benefit in the navigation of your building.
- Adding them in and around the elevator would be of use as well.
- You might want to modernize to a more friendly style.

Structured Chaos Solution - Part 2

We found a wonderful kiosk that was recently purchased and installed by the city of Waco, TX.

This is an interactive and electronic kiosk that allows your citizens to search for what they require and help them navigate to where they need to go.

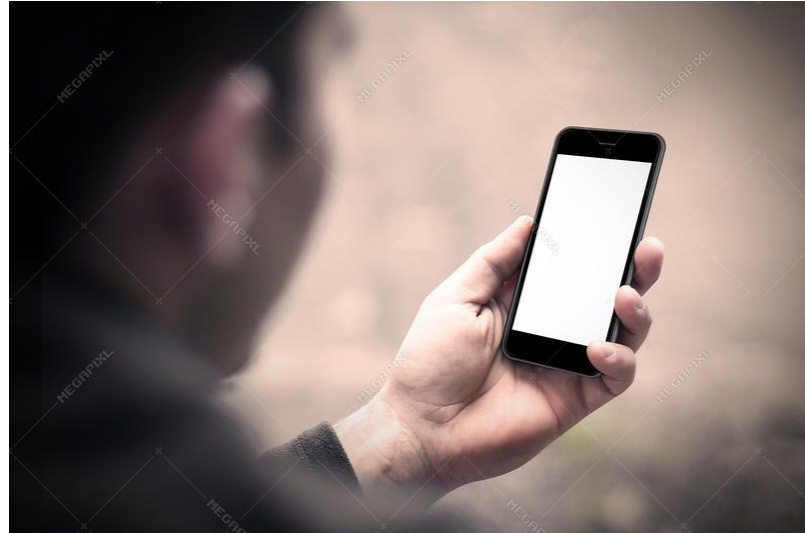


Structured Chaos Solution - Part 3

Upload building layout to google indoor maps to let smartphone users navigate the building. Being a portable map that follows them as they move around the building is very helpful and can provide what is essentially a virtual tour.

The google indoor maps:

<https://www.google.com/maps/about/partners/in-doormaps/>



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Questions?