

ONLINE SELF-SERVICE ELEVATOR SYSTEM

CAPSTONE II

CURRENT SYSTEM

This system allows any person to report a perceived problem with an elevator in the website where they can fill out said report and receive a unique confirmation number. Records of all reports will be kept and analyzed with a data analysis report that allows for statistical visualization of the data.

PROBLEM

Elevator accidents are not all that uncommon, with 21 total fatal accidents just last year (2021). Because there is an overwhelming amount of elevator systems in the county, it is crucial that anyone can quickly report a problem. Every second counts and any report could save a life.

DESIGN

The design was made as simple and intuitive as possible. The user can easily enter the information of the report and receive a confirmation number in a separate page while the report contains several filters and visual aids such as a map.

REQUIREMENTS

Users should be able to easily make a report. A notification will be received when a new report is filed which can be easily accessed and understood in an administration page.

SUMMARY

Any user with an internet connection can access the website and create a report of an elevator incident or malfunction, which will be given a unique identifier and be visible to those in charge in a created data analysis report.

REFERENCES

Centers for Disease Control and Prevention. (2022, March 18). *Deaths and injuries involving elevators or escalators (revised)*.
<https://www.cdc.gov/niosh/nioshtic-2/20039852.html>

United States department of Labor. Fatality Inspection Data
<https://www.osha.gov/fatalities>

