




Air Quality Visualization and Alert System

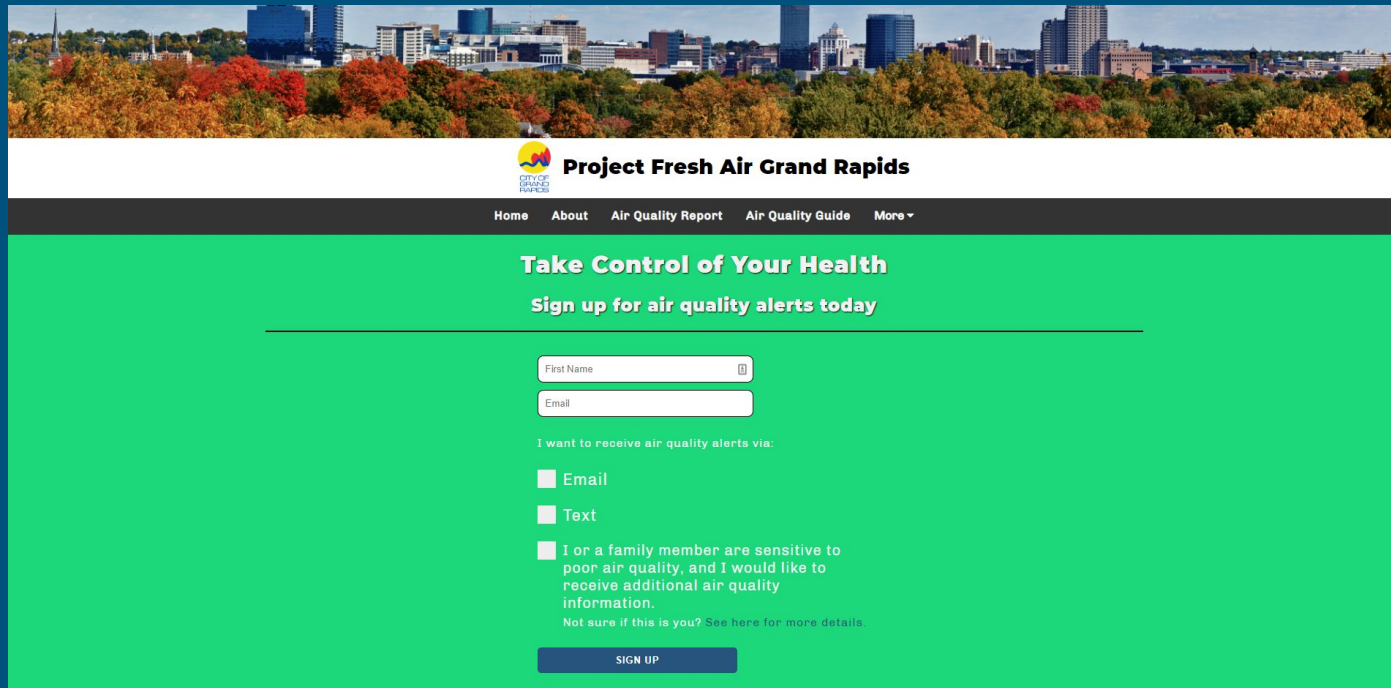


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Goal

- Inform citizens about the importance of air quality
- Create a system to alert citizens to poor air quality in the area
- Have an open source platform to download data on air quality



The screenshot displays the 'Project Fresh Air Grand Rapids' website. At the top is a banner image of a city skyline behind autumn trees. Below this is a white header with the project logo and name. A dark navigation bar contains links: Home, About, Air Quality Report, Air Quality Guide, and More. The main content area has a green background with the heading 'Take Control of Your Health' and the subheading 'Sign up for air quality alerts today'. The sign-up form includes input fields for 'First Name' and 'Email', a section for selecting alert preferences (Email, Text, or both), and a 'SIGN UP' button.

Project Fresh Air Grand Rapids

Home About Air Quality Report Air Quality Guide More ▾

Take Control of Your Health

Sign up for air quality alerts today

First Name

Email

I want to receive air quality alerts via:

☐ Email

☐ Text

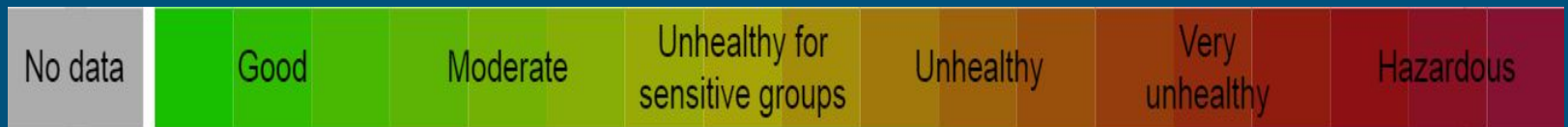
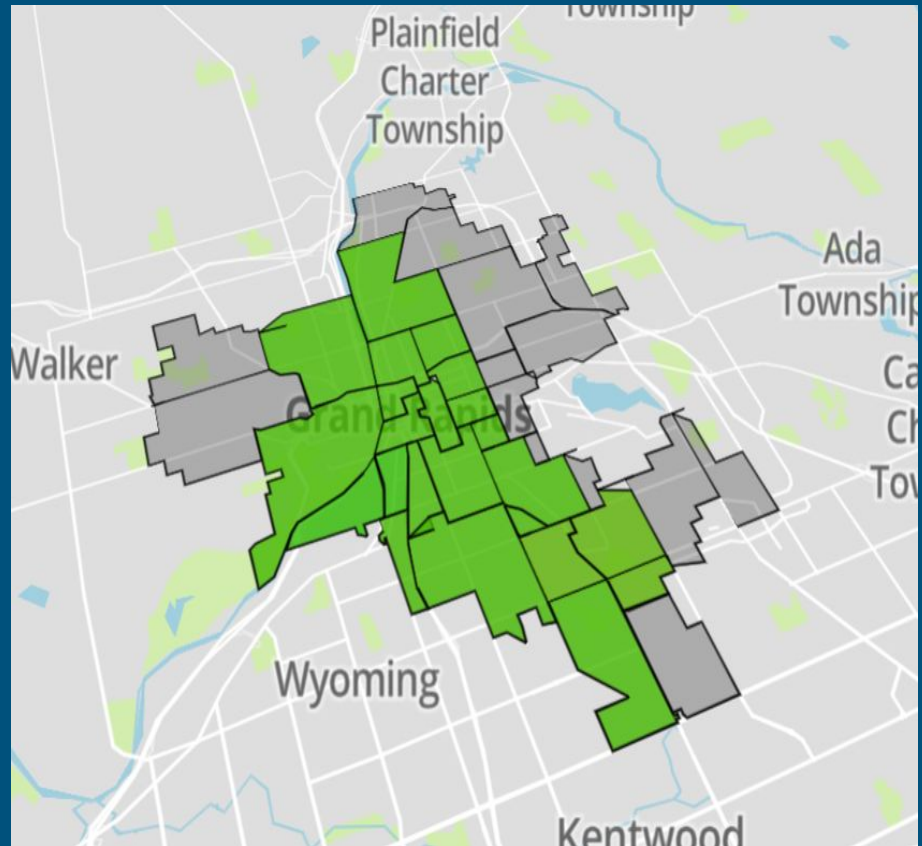
☐ I or a family member are sensitive to poor air quality, and I would like to receive additional air quality information.

Not sure if this is you? See here for more details.

SIGN UP

Solution

- Web App
 - Django and Python
- Data Management
 - Noise Reduction Techniques
- Data Visualization
 - Plotly and Python
- Alert System
 - Email and Text Alerts Scripts



Special Acknowledgements

- Seamless IoT
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