

WEB TECH. PROJECT PRESENTATION

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PROBLEM STATEMENT

CityPulse – Smart City Information Dashboard

DESCRIPTION

CityPulse is a modern, user-friendly dashboard designed to present important city information in one place. It allows citizens to explore real-time updates such as weather, alerts, traffic, and public facilities through an interactive interface. Built entirely with HTML, CSS, and JavaScript, focuses on providing a smooth, responsive, and visually clear experience. Its goal is to make civic information easily accessible, engaging, and simple to understand for everyone.

WHY WE NEED CITYPULSE ?

CityPulse helps citizens quickly access important city information—like weather updates, alerts, traffic conditions, and nearby facilities—in one place. It makes city data easy to understand through an interactive dashboard, helping people stay informed, make better decisions, and stay safe. This app improves civic awareness and engagement.

PAGE 1: HOME DASHBOARD

The Home Dashboard shows key city information at a glance, such as weather, air quality, and traffic updates. It uses dynamic cards and real-time data simulation to help users quickly understand the current conditions in the city.

PAGE 2: CITY ALERTS & NEWS

This page displays important city updates like weather warnings, traffic alerts, and public notices. Users can filter and browse alerts easily through a clean and interactive layout.

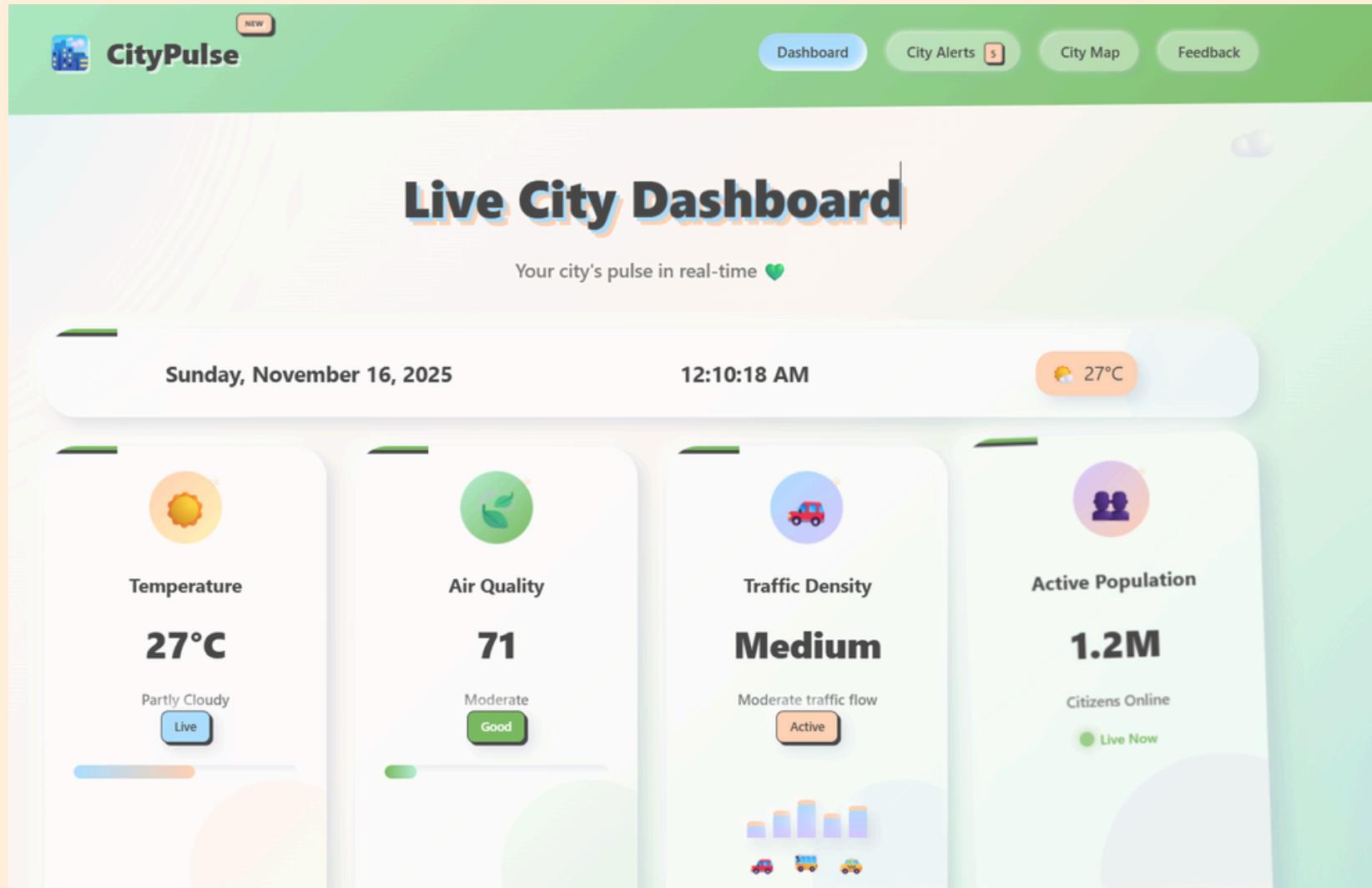
PAGE 3: INTERACTIVE CITY MAP

This page features a clickable city map where users can explore different areas like parks, hospitals, and public facilities. Each zone shows useful information through pop-ups, making city navigation simple and interactive.

PAGE 4: FEEDBACK & CITIZEN CONNECT

This page allows users to share their feedback, report issues, or contact the city team through a simple form. It includes input validation and shows a custom confirmation message when the form is submitted.

UI



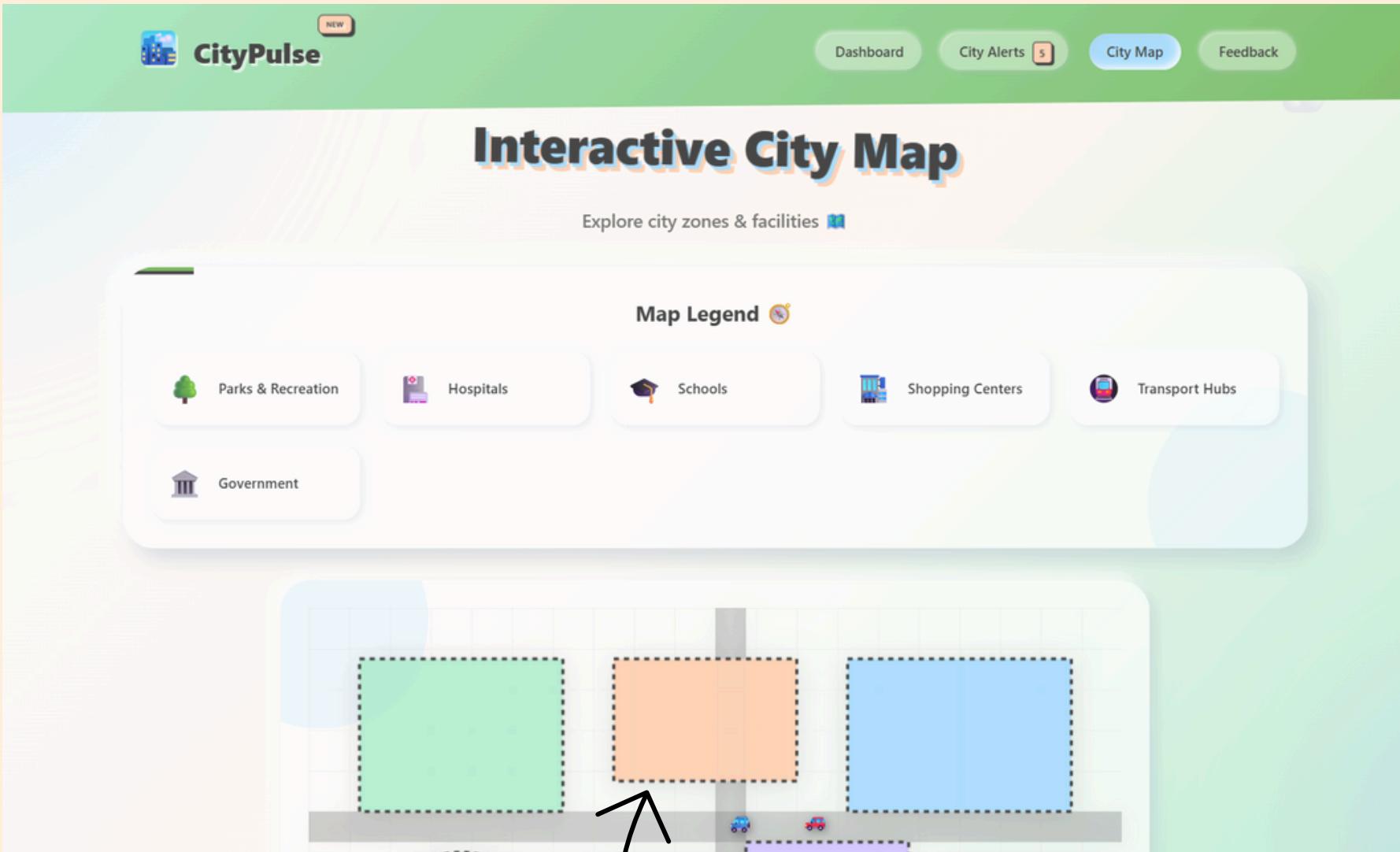
All filters

The figure shows the 'City Alerts & News' section. At the top, it says 'Stay informed about civic updates' and features a 'Sort by:' dropdown set to 'Newest First'. Below this, a heading 'All filters' is circled with a black arrow pointing down to a row of five filter buttons: All (highlighted in green), Traffic, Health, Weather, and Public.

Four alert cards are displayed, each with a priority level, date, and location:

- Heavy Traffic on Main Street:** High Priority, Nov 15, 2025, 09:30 AM. Location: Main Street, Downtown.
- Free Health Checkup Camp:** Medium Priority, Nov 15, 2025, 08:00 AM. Location: Community Center, Zone A.
- Rainfall Expected This Evening:** Medium Priority, Nov 15, 2025, 07:15 AM. Location: Citywide.
- Water Supply Maintenance:** High Priority, Nov 14, 2025, 08:00 PM. Location: Zone C Residential Area.

Each alert card includes a 'Learn More' button at the bottom right.



Clickable zones

The screenshot shows the CityPulse platform's feedback and citizen connect feature. At the top, there's a navigation bar with tabs for Dashboard, City Alerts (5 notifications), City Map, and Feedback (the active tab). Below the navigation is a title "Feedback & Citizen Connect" and a subtitle "Let's talk! Share your thoughts". The page is divided into two sections: "We Value Your Voice" on the left and "Submit Your Feedback" on the right. The "We Value Your Voice" section includes a message about the importance of feedback and an "Email Us" button with the contact email "contact@citypulse.gov". The "Submit Your Feedback" section contains fields for "Full Name" (with placeholder "Enter your full name"), "Email Address" (with placeholder "your.email@example.com"), and "Category" (with a dropdown menu). A hand-drawn circle highlights the "Feedback" tab in the navigation bar, with an arrow pointing from it down to the "Submit Your Feedback" section.

Contact/Feedback

THANK
YOU