

A photograph of a railroad crossing at dusk or dawn. In the foreground, two large, circular flashing red lights are mounted on a metal pole. The lights are illuminated, and their red glow is visible. In the background, a train is approaching the crossing, its headlights shining brightly. The train consists of several locomotives and freight cars. The crossing is set against a backdrop of trees and a hazy sky. The overall scene is dimly lit, with the primary light sources being the crossing lights and the train's headlights.

InterFact: Railroad Crossing Information System

InterFact Client & Information:



Mr. Kyle Johnson

CIO for the Muncie office
of Emergency
Management



Works with Emergency Operations
/ First Responders overseeing GIS
mapping data, web applications, &
other services for the Delaware
Country Emergency Management
Agency



Interfact is a software system that
uses physical cameras at railway
intersections in Muncie to map
open and blocked roads for first
responders.

Interfact Iteration 1 Demo!



Mid-Iteration Mentor Feedback:

- Feedback:
 - “Solid. Great 1st iteration”
 - Recommended error catching features
 - Confirmed API functionality
- Changes Made:
 - Added error catching methods to our second iteration plans



Client Feedback

- Feedback:
 - “Great work!”
 - Transition to admin dashboard for 2nd iteration.
- Changes Made:
 - Began outlining admin dashboard for interfact system backend.



1st Iteration Features

- Interfact System API:
 - Our API overlays geoJSON data onto a map, displaying railroad intersections and their current open or blocked status.



Planned Iteration 2 Features:

- Admin Dashboard
 - + Add & remove cameras
 - + Request current pictures from intersections
 - + Data & statistical view of intersection data
- Error catching features for API



Retrospection:

- What does each team member think about this iteration? / lessons learned
- Properties of quality software sacrificed for functional software?
- Plan to approach iteration 2?



Favorite “Not-Dogs”



Tanner



Brooke



Bella



Mason