

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 flanked by green trees and foliage. 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

Ethan



Bella



Mason