So You're Dead... Now What?

THE CEMETERY APP

What happens to you when you die?

- (physically speaking, that is)
 - Interment: burial process
 - (not to be confused with a student Internment/Internship)
 - Right of Interment
 - Who owns the burial plot
- Now the cemetery caretaker needs to figure out
 - Where to put you
 - Are you allowed to be put there
 - How to keep track of where they put you

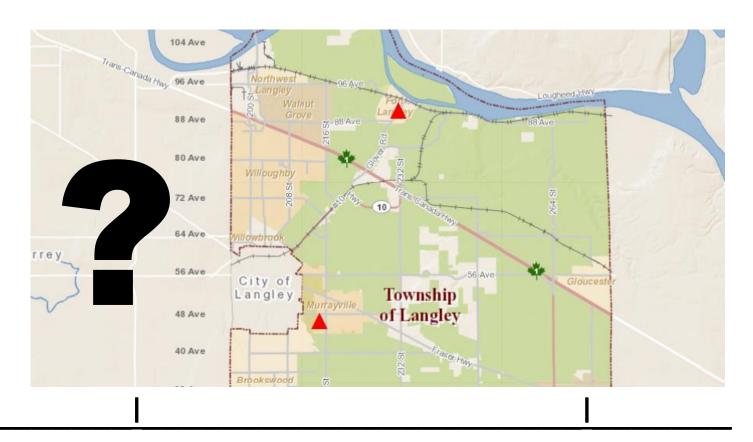
The Cemetery App

- 1. WHY did we build it?
- 2. WHAT did we build?
- 3. HOW did we build it?

Why Did We Build It?

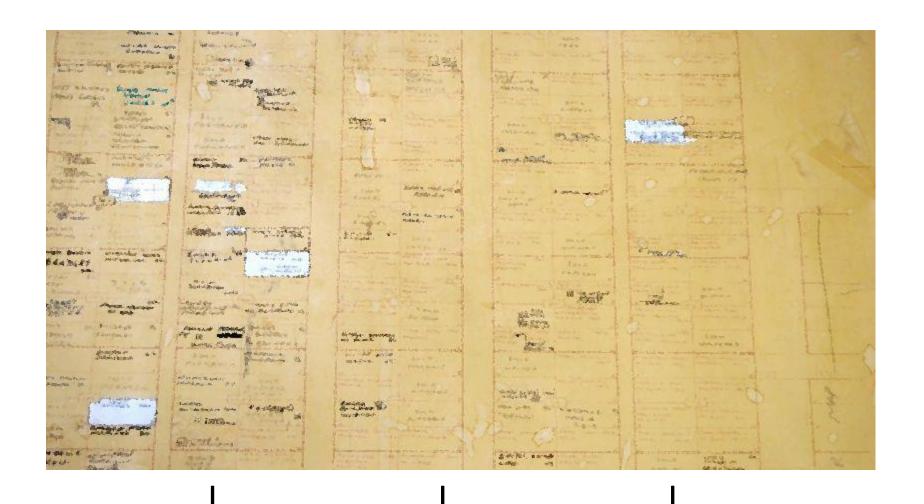
- 1. Current system cumbersome and error prone
- 2. Historical data integrity issues still unaddressed
- 3. Wanted a GIS enabled solution since location is critical
- 4. Didn't identify a product on the market at the time with good, open GIS integration

Timeline

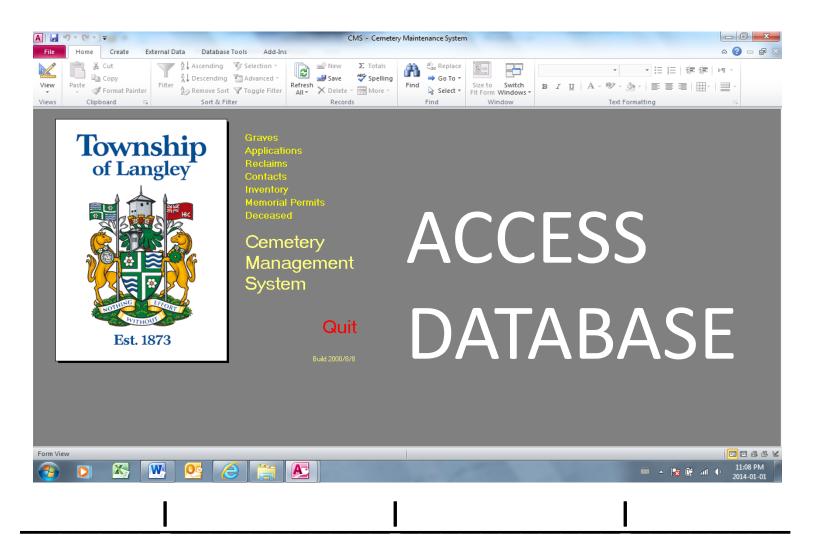


1881/1891

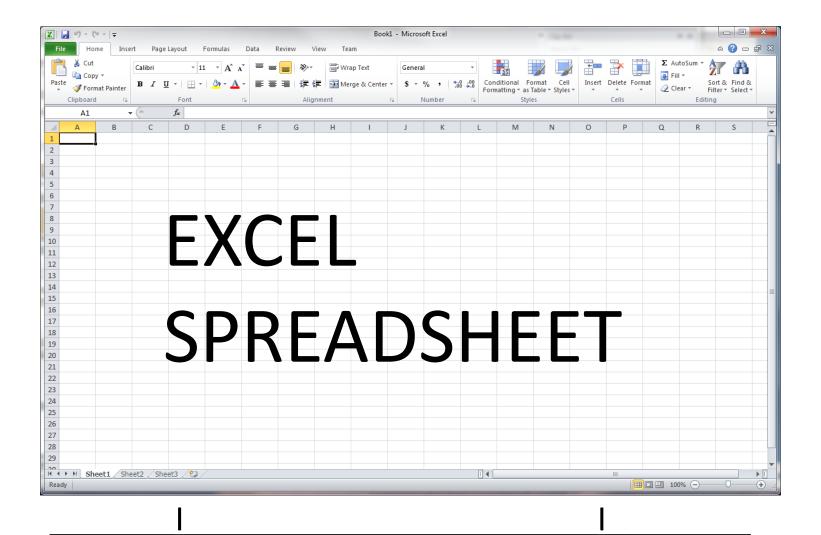
1950



1950 1975 ~2000



~2000 2005 2009



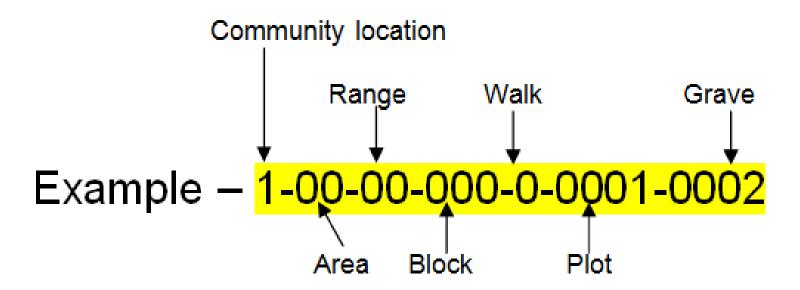
2009

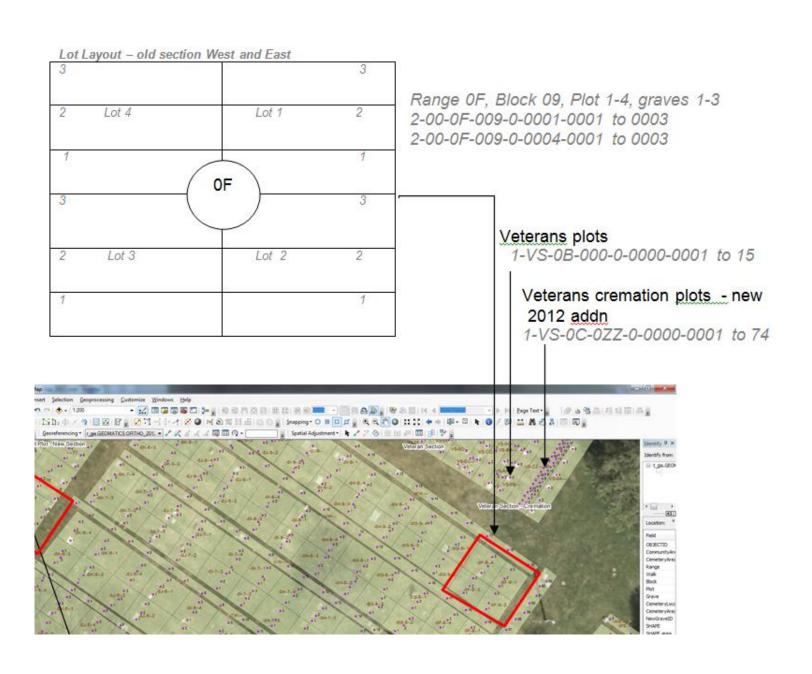
Present

Historical Data Issues

- Paper maps (ONLY source of location data!!)
 & records becoming old and damaged
- 2. Map data and records disjointed
- 3. Space at cemeteries becoming more of a premium subdivisions/ashes/niche walls
- 4. No automated error checking
- 5. Grave Marker # Issues

Grave Marker # Issues





Data Cleanup – Julie and Krista

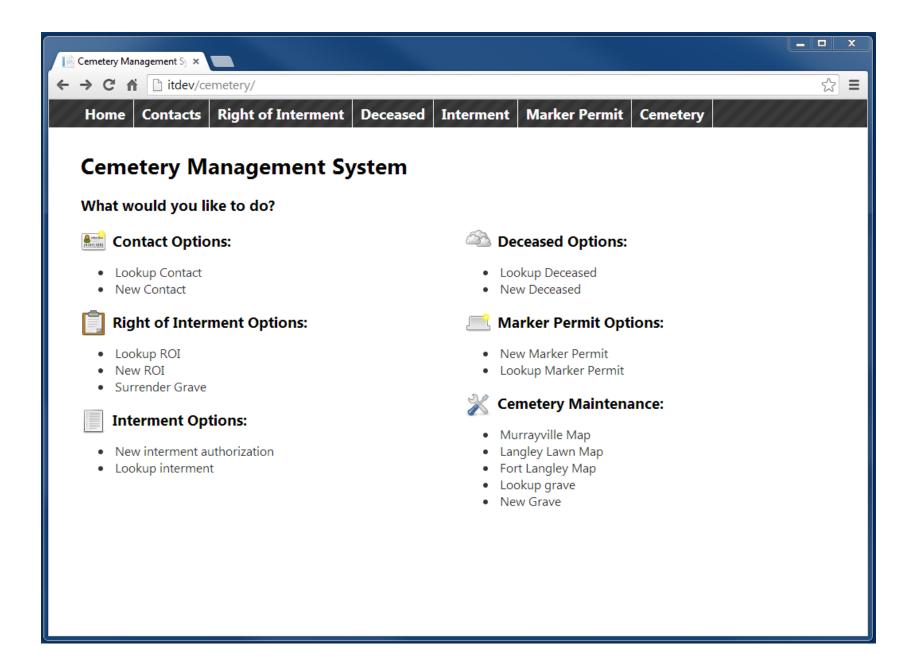
- 1. Photographs taken of Record Books
- 2. Wall maps photographed
- Point fc created of grave markers visible on orthophotos
- 4. GPS points of some grave markers with names collected for georeferencing
 - Julie and Krista RULES
- 5. Photographed wall maps georeferenced
- 6. Wall map info transferred to point fc

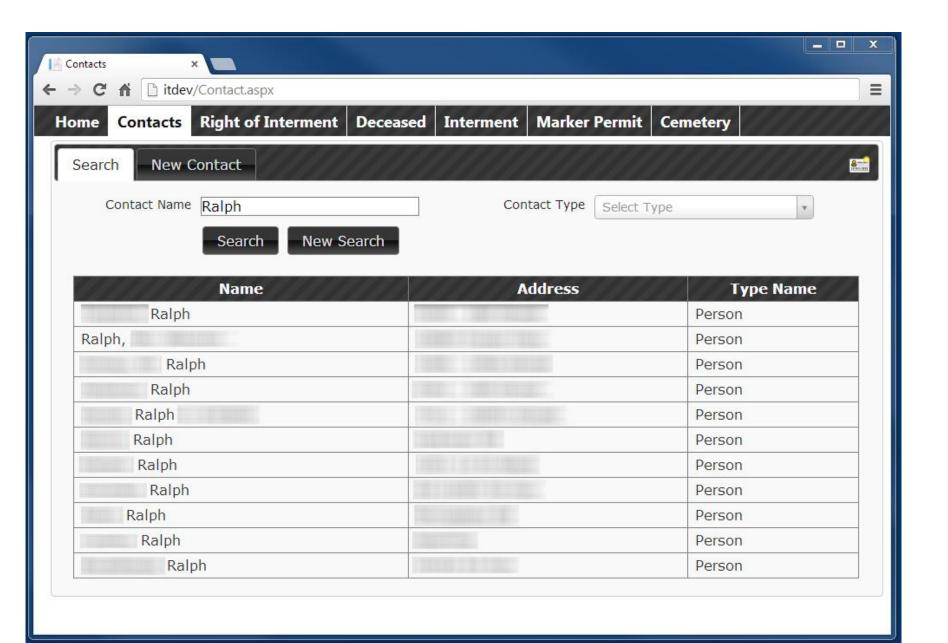
Data Cleanup (continued)

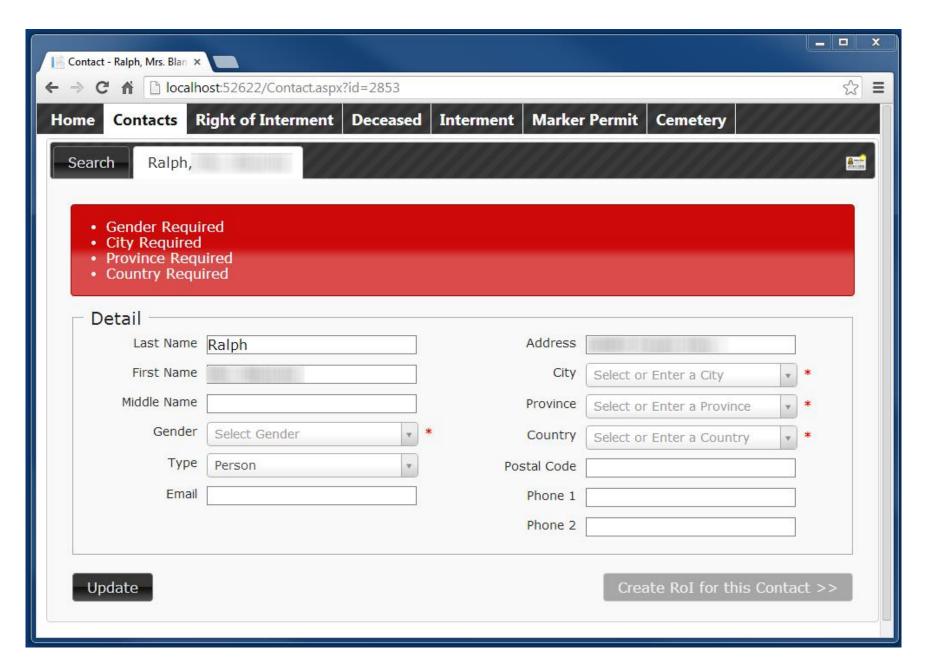
- 7. Access/Excel data cleaned up and added to point fc (Grave Marker #, DeceasedPersonID, Etc.)
- 8. Created new GraveIndex number for unique identifier (Grave Marker # too complex but still maintained due to significance to Caretakers)

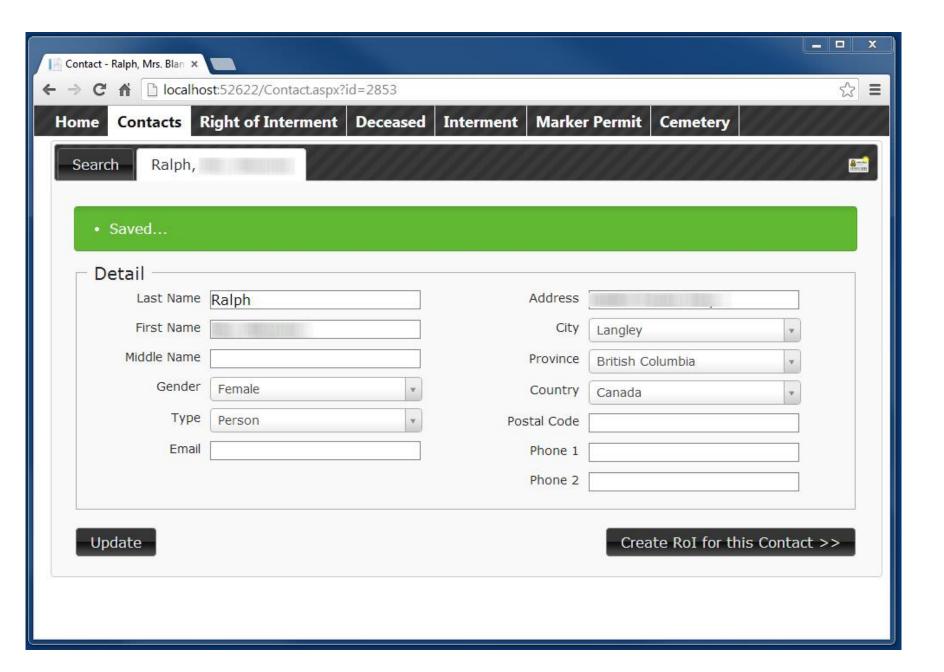
Shane –

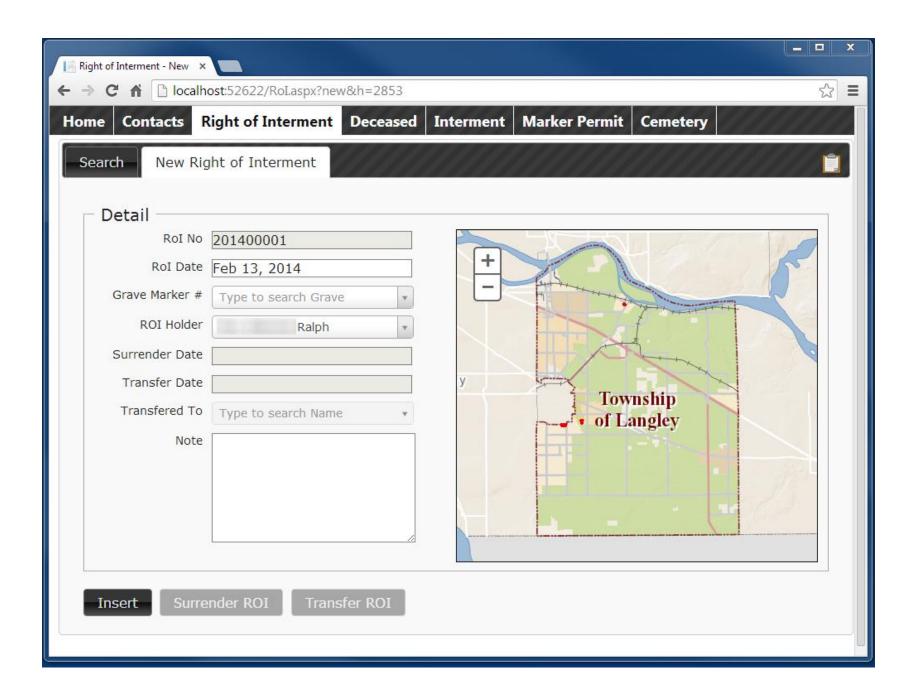
What Did We Build?

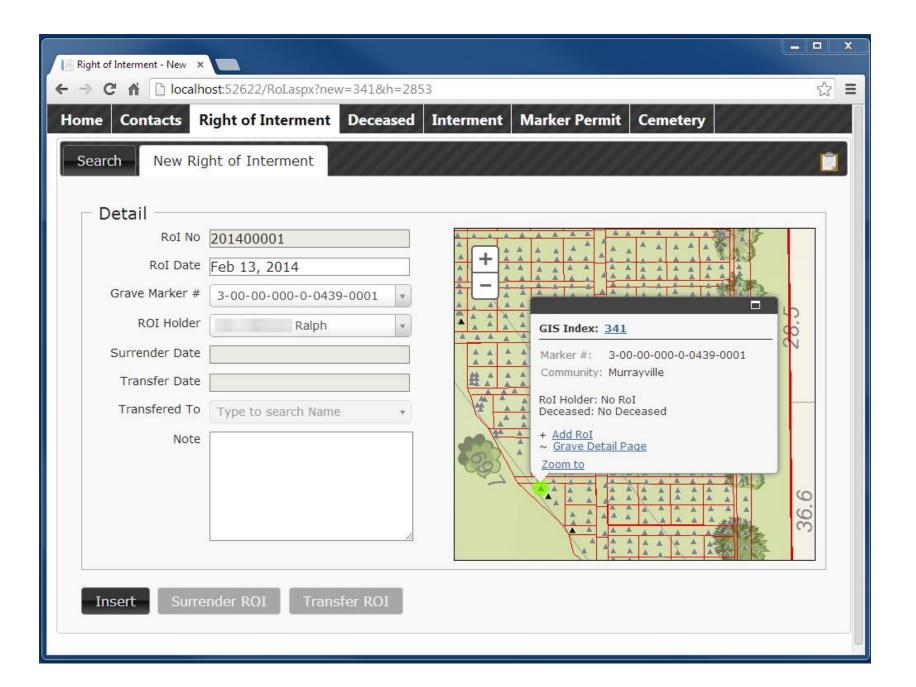


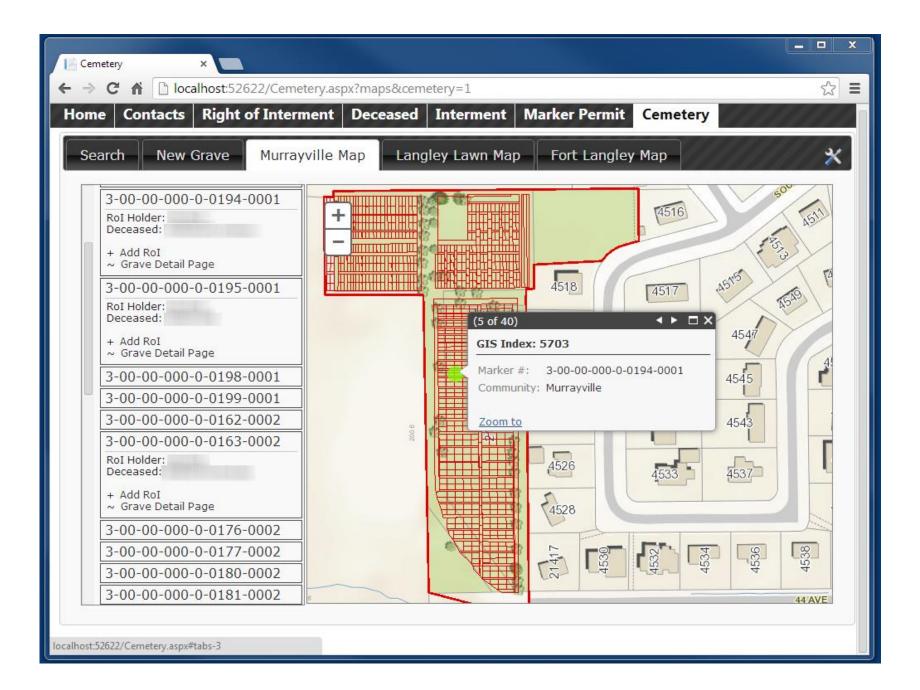












How Did We Build It?

Application Requirements

Web based application

The usual C.R.U.D
 (Create, Read, Update, and Delete)

GIS map integration

Web

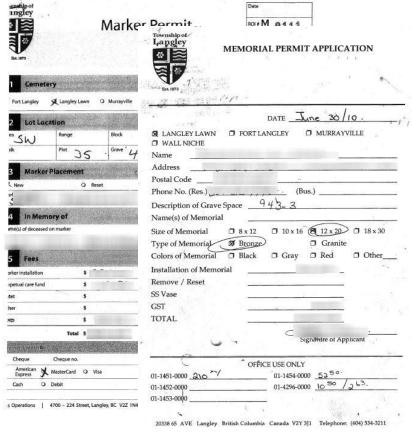
- Accessibility
 - Mobile devices in the field

- Manageability
 - No client software other than browser

- Ease of use
 - Leverage familiar web interfaces

CRUD

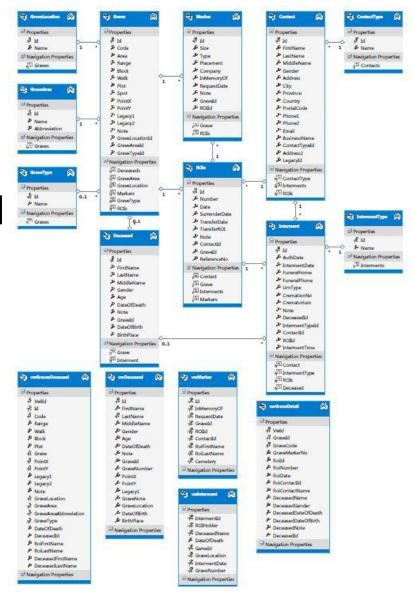
Review paper forms





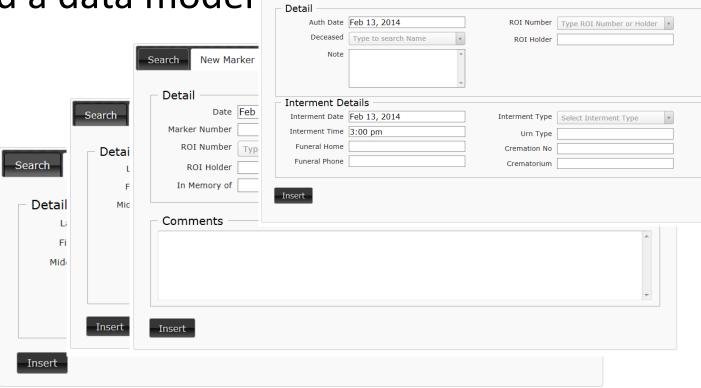
CRUD

- Review paper forms
- Created a data model



CRUD

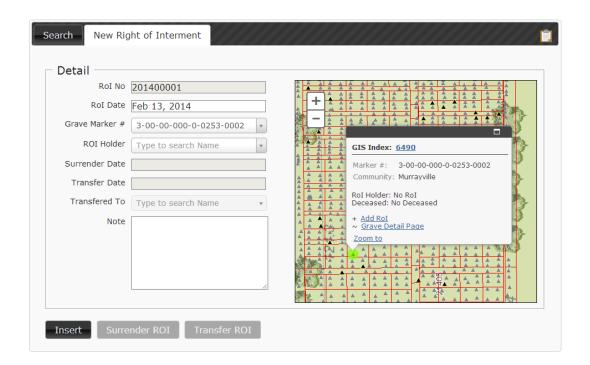
- Review paper forms
- Created a data model
- Code
- Test
- Code
- Test
- Code
- Test



New Interment

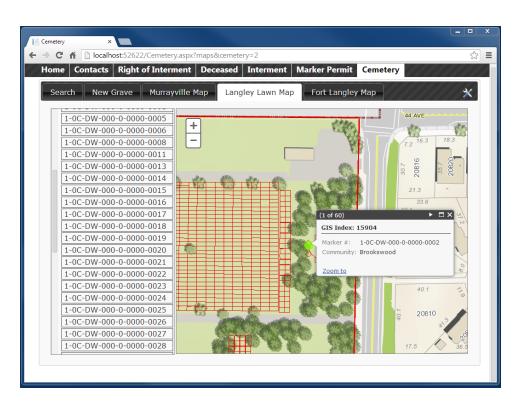
Search

GIS



- Pick grave on map when entering Right of Interment
- View grave on map when reviewing existing Interments

GIS



 Browse maps by cemetery

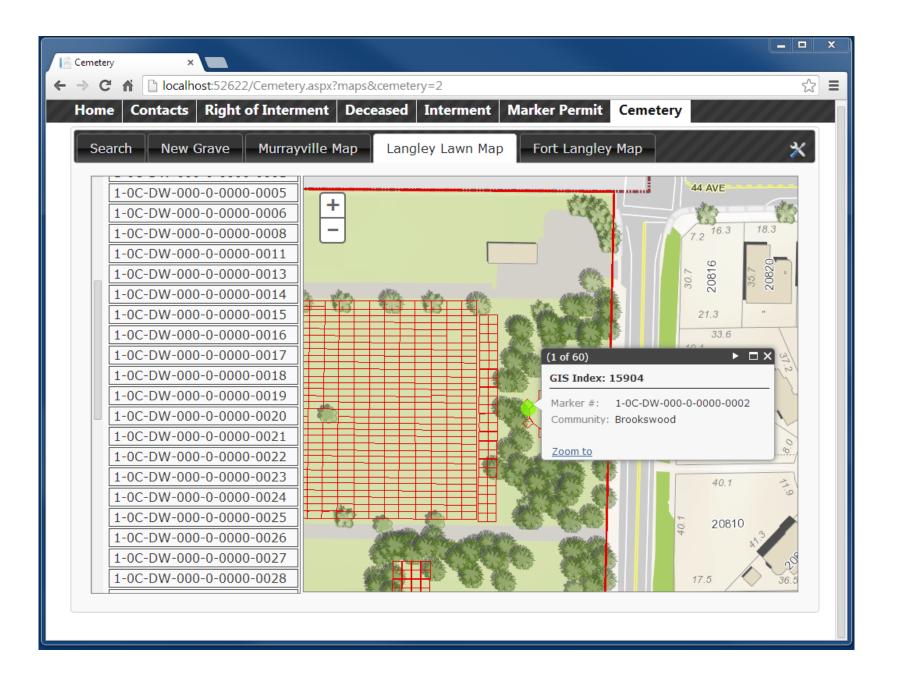
View grave details

 Link back to data entry pages

Technologies

- SQL
- HTML
- JavaScript
- REST
- ASP.NET & C#
- RIP





Questions?