Requiem Registry

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Introduction

- ➔ A real problem
  - ◆ Mallory's Cemetery record keeping system
    - Paper spreadsheets of persons' names and plots
    - Redundant copies
    - Names added manually
- ➔ Our solution
  - ◆ A digital database for the dead with additional features
    - Accessible via the web
    - Public page for searching the dead
    - Can be used for multiple cemeteries

User

➔ Controlling privileges
- ◆ Two types of users

➔ Administrator user
- ◆ Login via Google account
- ◆ Access to writing privileges

➔ General user
- ◆ No login
- ◆ Read only access

Main Page

→ The website's home page
   ◆ Show selected cemetery's info
      ● Name
      ● Description
      ● Address
→ Cemetery drop-down menu
   ◆ Selection will update cemetery info shown
→ Deceased search bar
   ◆ Successful search will bring up a page for that specific person.

Administrator Page

→ Admin Page with the following sub pages:
- ◆ Cemetery Page
  - ● Add, edit, delete cemeteries
- ◆ Person Page
  - ● Add, edit, delete people to database
- ◆ Plot Page
  - ● A list view of plots.
- ◆ Map Page
  - ● Google Maps API to allow points to be set on plots

Cemetery Page

➔ The page for managing Requiem Registry's cemeteries
➔ Functions
  ◆ Add cemetery
  ◆ Update cemetery
  ◆ Remove cemetery
➔ Each cemetery as a name, description, capacity, and address

Person Page

➔ Contains a person's information
  ◆ Name
  ◆ Date of birth
  ◆ Date of death
  ◆ Plot number
➔ Utilized by both types of users
  ◆ Admin can edit person information
  ◆ Users can only view the person information

First Name: Jane

Last Name: Doe

Birth date: 12/5/1950

Death Date: 2/2/2024

354 × 529

First Name

Value

Last Name

Value

Birth date

Value

Death Date

Value

Submit

354 × 529

Plot Page

➔ This will be a list of the plots.
➔ The list will show a brief description of the person that is associated to the plot if applicable.

Map Page

➔ Adding plots
   ◆ Button to add plots to map. The admin will click where they would like the plot to be and that point on the map will now be associated to a new plot.
   ◆ The plot number will be auto generated by the database.
➔ Clicking on a plot to connect people to plots
   ◆ Once a plot is added to the map, the plot can be connected to a person.
   ◆ The plot will give the user a pop up window
   ◆ The window will allow the user to select a person to add to plot.
   ◆ If the plot already has a person associated with it, the user can remove the person, or replace the person with someone else.

Interesting Risky Difficult Requirements

➔ Maps Plot Markers (Interesting & Difficult)
  ◆ Visualize plot locations on the map
  ◆ Add new plots to map with point & click feature
  ◆ Unfamiliarity with Google Maps API
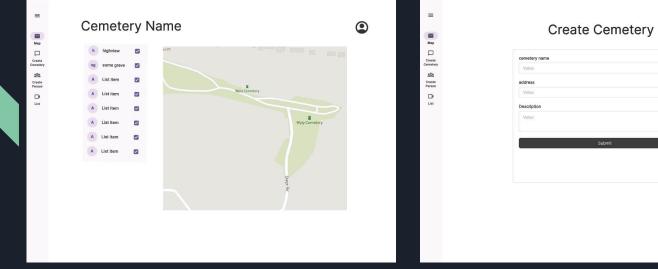
Interesting Risky Difficult Requirements

➔ Editing Database info (Difficult & Risky)
- ◆ Making sure to accurately implement CRUD.
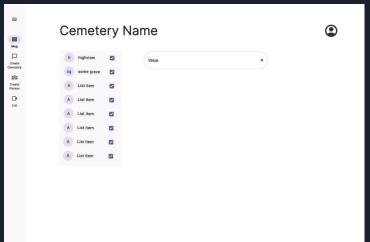- ◆ Editing data will introduce concern with making sure updates reach database correctly.

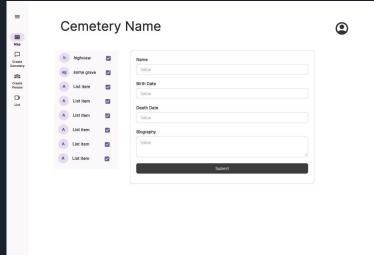# Interesting Risky Difficult Requirements

➔ Mobile Compatibility (Difficult)
- ◆ Resizing components
- ◆ Keeping efficiency possible

Tech Stack

Front-end & Back-end	Next.js	Web Framework
Hosting & Development	Vercel	Hosting Platform
Database	PostgreSQL	Relational Database

Screen 1 (top-left): Cemetery Name

Map
Create Cemetery
Create Person
List

Cemetery Name

h highview
sg some grave
A List item
A List item
A List item
A List item
A List item
A List item

Wyly Cemetery
Wyly Cemetery

Screen 2 (top-right): Create Cemetery

Map
Create Cemetery
Create Person
List

Create Cemetery

cemetery name
Value

address
Value

Description
Value

Submit

Screen 3 (bottom-left): Cemetery Name

Map
Create Cemetery
Create Person
List

Cemetery Name

h highview
sg some grave
A List item
A List item
A List item
A List item
A List item
A List item

Value ✕

Screen 4 (bottom-right): Cemetery Name

Map
Create Cemetery
Create Person
List

Cemetery Name

h highview
sg some grave
A List item
A List item
A List item
A List item
A List item
A List item

Name
Value

Birth Date
Value

Death Date
Value

Biography
Value

Submit