WEB APP BUILDER FOR DATA EDITING & BICYCLE INFRASTRUCTURE PLANNING

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BUILDING GIS DATA CREATION/EDITING APPS FOR PEOPLE WITHOUT TRADITIONAL GIS BACKGROUND

- Goal is to make applications as simple & user friendly as possible while providing high functionality.

- Applications should provide users with a 'guiding hand' to help accomplish workflows.

- Removing excess

- Create framework for the data and applications, let the user do the rest.

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- Real-world projects can be well represented in GIS. But as an app creator I often have little insight into the status of those projects, or specifically what needs to be tracked within the data.

- Important to work closely with the user to identify needs.

- Build application based on needs.

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COMPONENTS OF A GIS DATA EDITING APPLICATION

The Data

- How is the data to be used?

- Working with the user to build a carefully curated data schema.

- Data type: how to best represent the data the user will be working with.

- If necessary, giving users privileges to create their own feature services.

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COMPONENTS OF A GIS DATA EDITING APPLICATION

The Web Map

- What data to include within the web map?
    - Editable data that the user manages/modifies
    - Non-editable data that serves as a reference to help users accomplish their workflows.

- How to best present the data?
    - Symbology
    - Pop-ups
    - Arcade can be used to control these

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COMPONENTS OF A GIS DATA EDITING APPLICATION

The Web App Builder Application

- How does user interact with the data? What is the intended purpose of the application?

- Hiding excess.

- Include tools to help users manage and explore data.
  - Search bar
  - Filter
  - Editor
  - Smart Editor
  - Batch Editor
  - Basemap Gallery
  - Measurement Tool
  - Bookmark Tool

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BENEFITS OF PUTTING GIS DATA CREATION IN THE HANDS OF THE USERS

- Can replace antiquated ways of managing data.

- Users often have more intimate knowledge of the data/projects.

- Can easily propagate data to other applications.

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