San Bernardino County Cultural Asset Mapping with VGI

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Abstract

Cultural asset mapping is an important project for the Arts Connection, a nonprofit art organization in San Bernardino County, to raise public awareness about local cultural assets and enable residents to identify new cultural assets. To address the need, this project aimed to develop a new web application to replace the existing Geomap application to allow residents to visualize, query, locate, and identify cultural assets in San Bernardino County. An ArcGIS Online web map was developed with various widgets within the integrated edition of the Web AppBuilder for ArcGIS (WABA). With the new web map application, the artists, residents, and community development practitioners can reflect on what makes their communities unique and how geospatial analysis can be leveraged to achieve broader community development goals.

System Design

The system consisted of four major components: a geodatabase, ArcGIS Online, a web application, and the client (desktop or web browser). All of these components were assembled to deliver the desired Cultural Assets Mapping Project to the audience on a web browser.

Cultural Asset Framework

- **Institution**
  - Gallery
  - Museum
- **Association**
  - Education Institution
  - Theater
- **Independent Business**
  - Art Supplies
  - Music Store
- **Outdoor Site**
  - Park
- **Historic Site**
- **Natural Site**
- **Performing and Visual Arts Groups, Individuals**
  - Symphony
  - Dance Troupe
- **Roadside Attraction**
- **Public Art**
- **Library**
- **Civic Groups**
  - Guild
- **Orchestra**
- **Council**

Existing Approach

- Lack of classifications
- Lack of functionalities

Filter & View

- Filter cultural assets based on the city and categories
- View relative information about cultural asset

Add & Modify Asset

- Add a new cultural asset
- Update existing cultural asset

Find Asset

- Identify what cultural assets are within a specified radius
- Get directions to the selected asset

Abstract

Existing Approach

Filter & View

Add & Modify Asset

Find Asset

Analytics Map

Web Application