




Imagined San Francisco

Interactive web application for viewing curated maps and associated content

Center for Spatial and Textual Analysis (CESTA) – Stanford University
4/2017 – 8/2017

-  Project Management
-  Web Design
-  Web Development

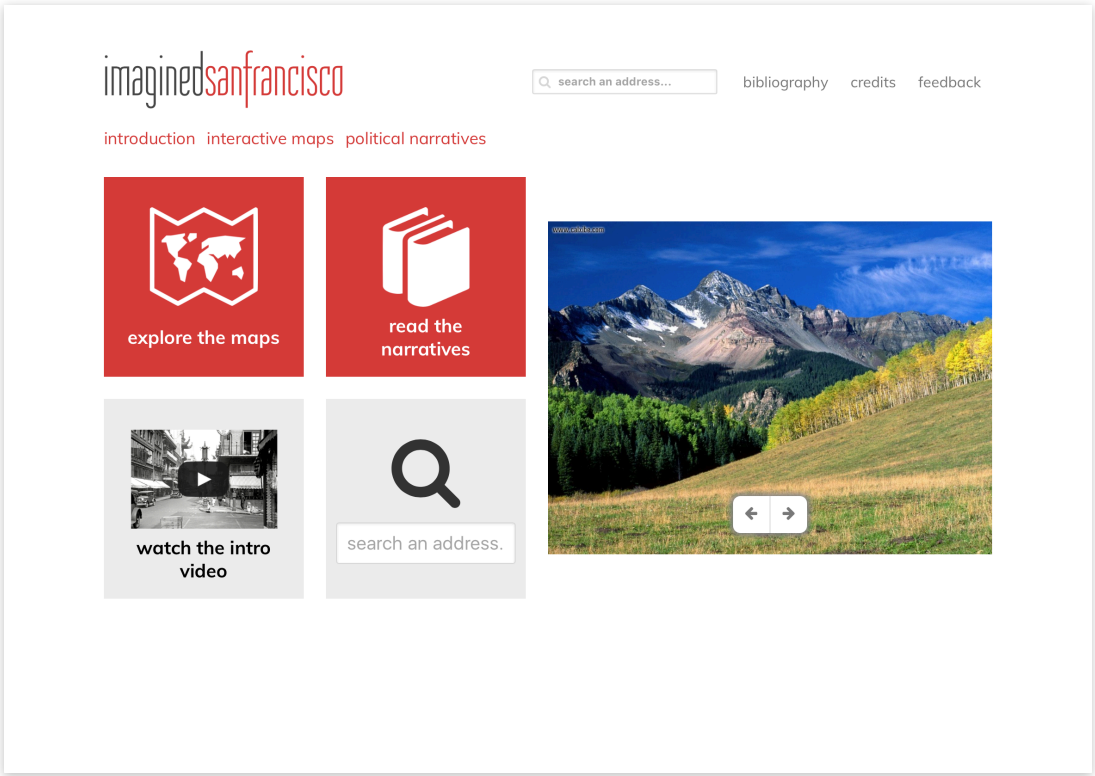
The design of the application was based on previous design work (including logos, color schemes and layouts) by Terence; I expanded the existing material to a full branding kit and mockups for each page defined in our content hierarchy.

We created a web application that renders different collections of superimposed raster map layers, vector map layers and vector feature sets with view controls, along with offering access to written pieces about the map content. Vector features are interactive, revealing associated information when selected, and the application allows the user to see their current location on the map. Authors can embed dynamic maps with specific layer configurations in the written pieces.

The back-end is a WordPress installation running a custom theme, with all content easily managed by a non-technical administrator from the WordPress CMS admin panel.

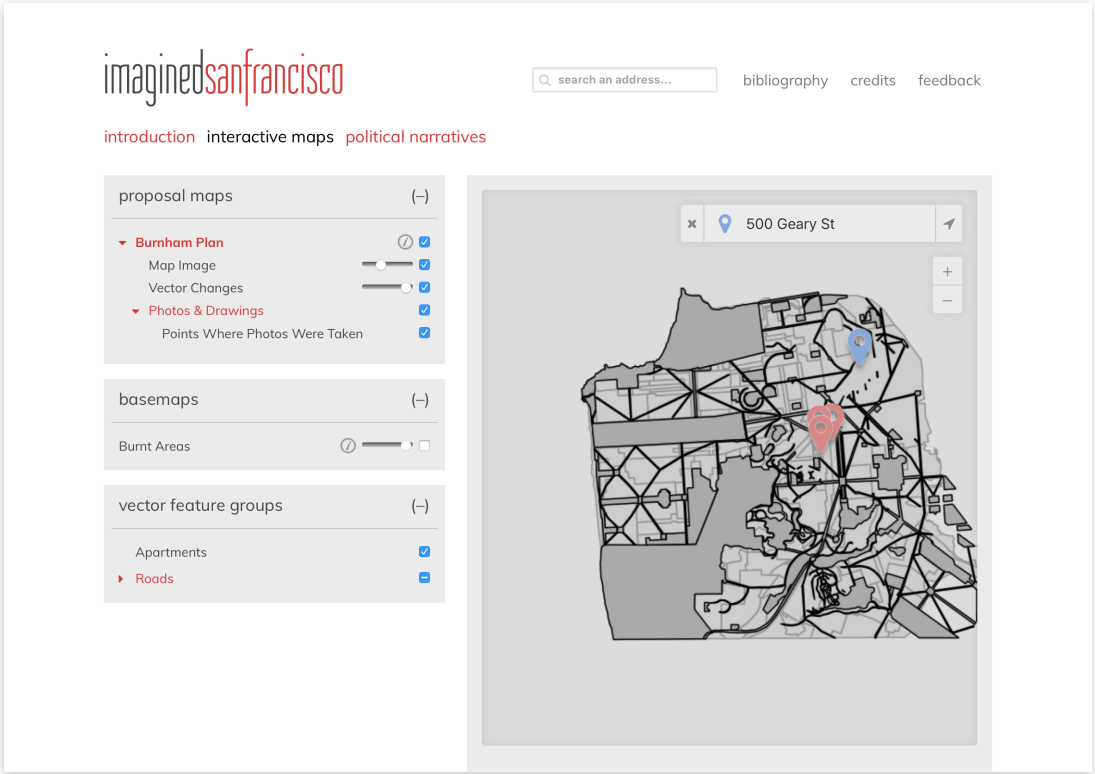
The front-end main map view and author-embedded maps are Vue.js/Vuex instances that handle user interaction and render selected layers and feature sets to a Leaflet map according to user-set parameters. They retrieve content from the CMS via REST requests. Other pages are rendered from static WordPress templates.

Repository: <https://github.com/codyml/imaginedsf>



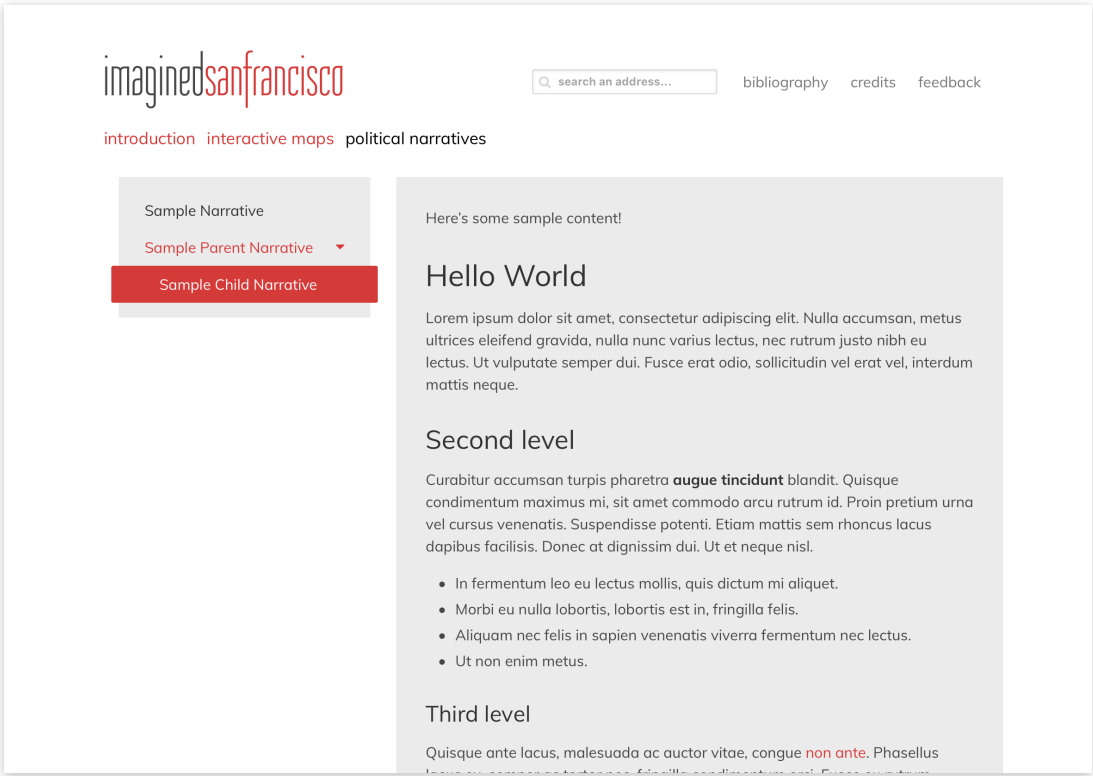
Homepage

Visitors are presented with several ways to engage with the content.



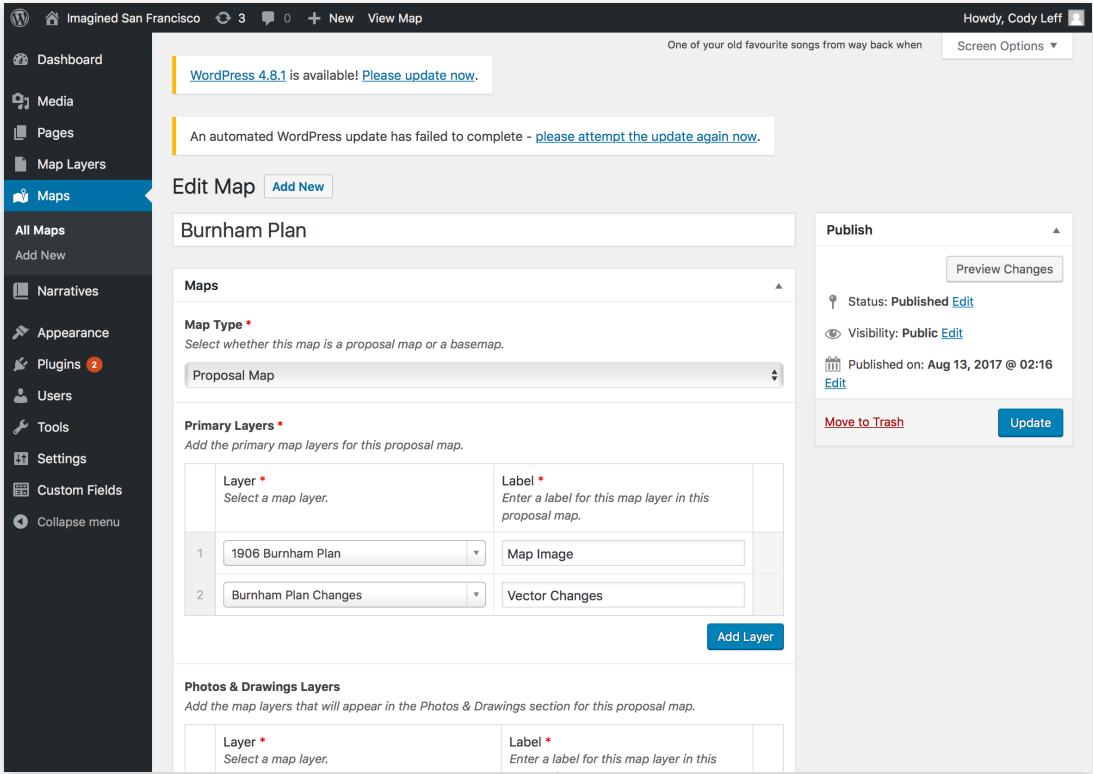
Interactive Maps

The web application allows a user to control the visibility and opacity for different raster and vector map layers, basemaps, and vector features. The user can also view their current location or an address of their choosing on the map.



Narrative

Written narratives can include embedded maps.



Custom WordPress CMS Administration

Administrators can easily modify site content using the WordPress administration panel.