

Humboldt County GIS Archive

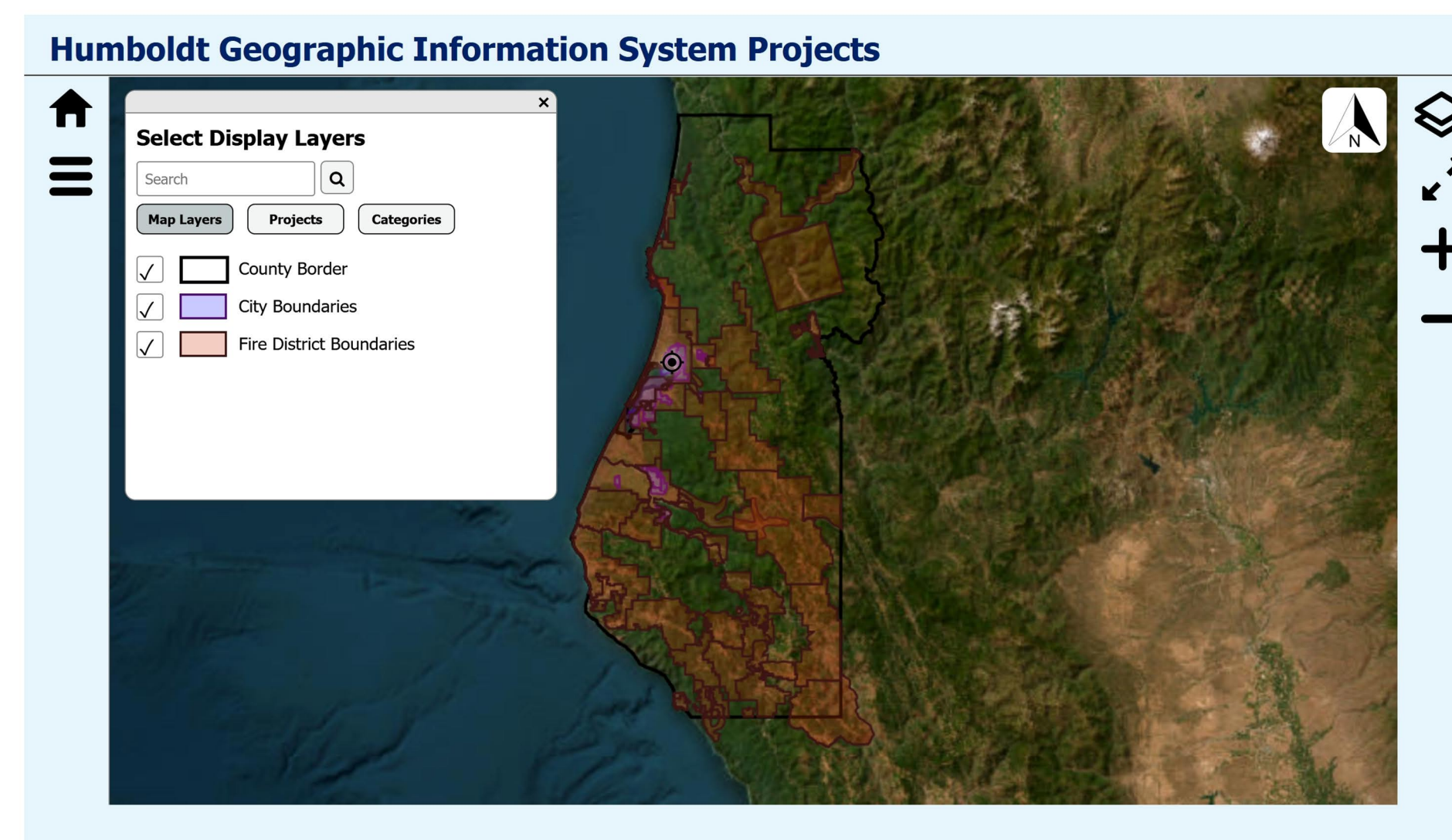
Concept:

GIS (Geographic Information Systems) are tools used to measure, store, and analyze geographic data for a variety of purposes. Many students and faculty at Cal Poly Humboldt utilize GIS in their work, so the school has a large collection of useful GIS files sitting around in a pile. Most of these files focus on Cal Poly Humboldt, Arcata, or Humboldt County as a whole.

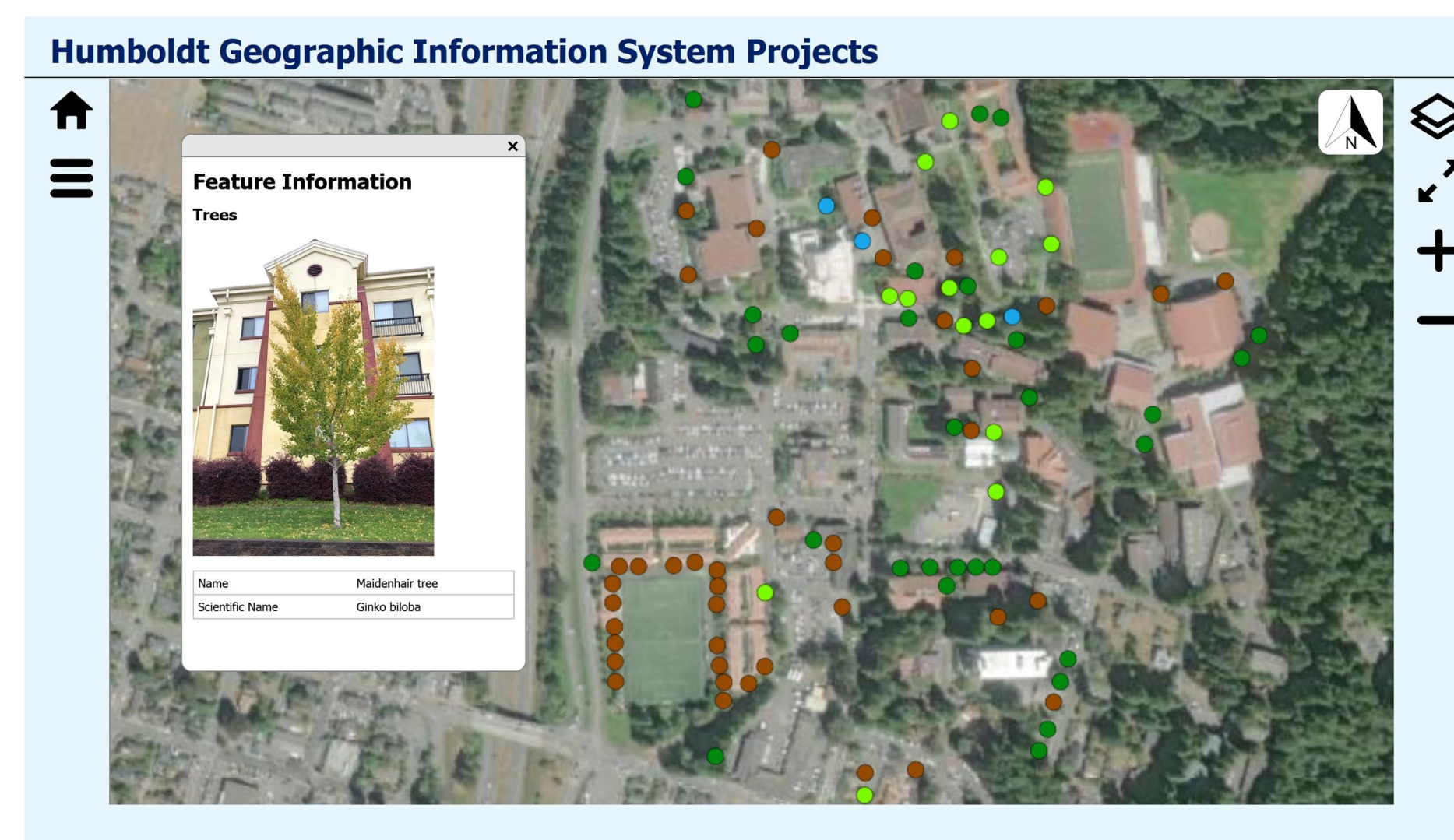
This project seeks to create a repository where students and faculty can easily access GIS files for their own use. It will also include a map of Humboldt County that displays GIS information local to our area.

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Cal Poly
Humboldt.



Humboldt County, displaying county borders, fire districts, and city limits.



Cal Poly Humboldt and a GIS project which shows types of plants around campus.

Technologies:

This project is created using a number of pre-existing code libraries and applications designed for working with GIS data, which were created and are maintained by Dr. James Graham.

This includes the Python library SpaPy, the Javascript library CanvasMaps, and the desktop application BlueSpray.

Files are processed with Python, stored in a SQL server, and accessed using HTML and Javascript.

