

QuickDraw

A Smarter Guide to Housing

Problem Statement

The Housing Draw, Stanford's system for determining housing for students, asks students to submit a ranking of their preferred residences. However, information about each individual residence is sparse and superficial, making it extremely difficult for applicants to make informed decisions.

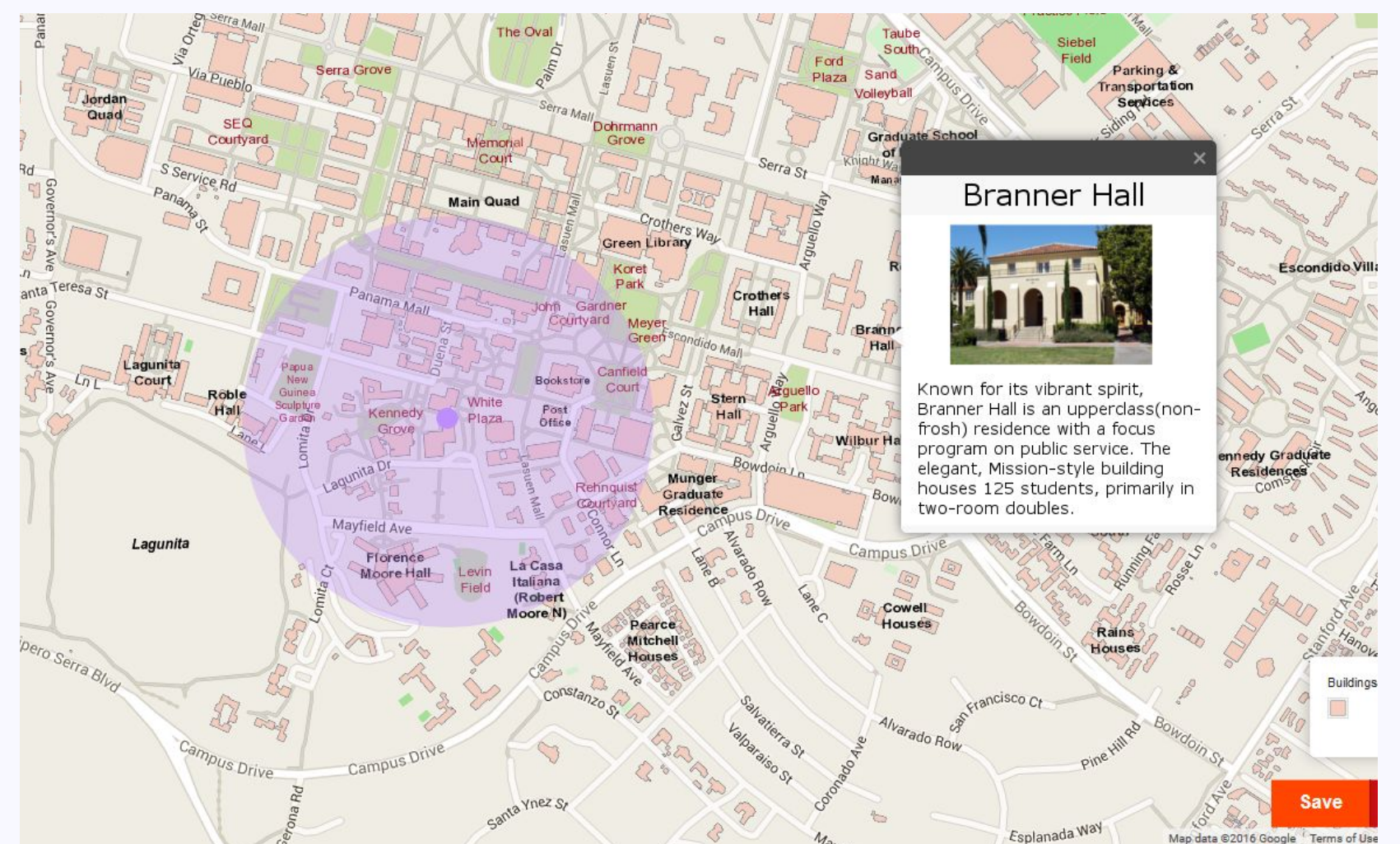


Motivation

Every house is unique. We integrate the important data about each house, giving users a better, more holistic insight. From a Data Visualization perspective, Quickdraw solves a difficult problem of incorporating many disparate data types into one easy-to-understand application.

Approach and Implementation

Quickdraw is built on the OpenProcessing visualization software. This allowed for rapid iteration and quick integration of graphics. I opted for a map-based interface, because location and distance are two of the most important factors I want to highlight. In addition, Quickdraw also includes filters in order to allow users to only view residences that interest them.



Future Implementations

In future, Quickdraw could benefit from the addition of more data points about each house. One of the major challenges during implementation was the lack of a good dataset for Stanford's residences. Next steps would include more information like past resident reviews, food options, and integration of the Google Maps API to better measure distances between residences and destinations.

