

SCC-PG: A Sustainable and Connected Community-Scale Food System to Empower Consumers, Farmers, and Retailers

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Introduction

FoodNet is a community-powered social network built around a community's food system. FoodNet is a lightweight web application that helps community members locate inexpensive, fresh, local produce.

FoodNet maintains a community-powered database of local stores and the availability and price of fresh produce. To make it easy for community members to keep this information fresh, all they need is a camera: FoodNet's Image recognition identifies the produce item in-frame (and soon, price too). FoodNet staff review the content for validity, and make the information available for others to consume.

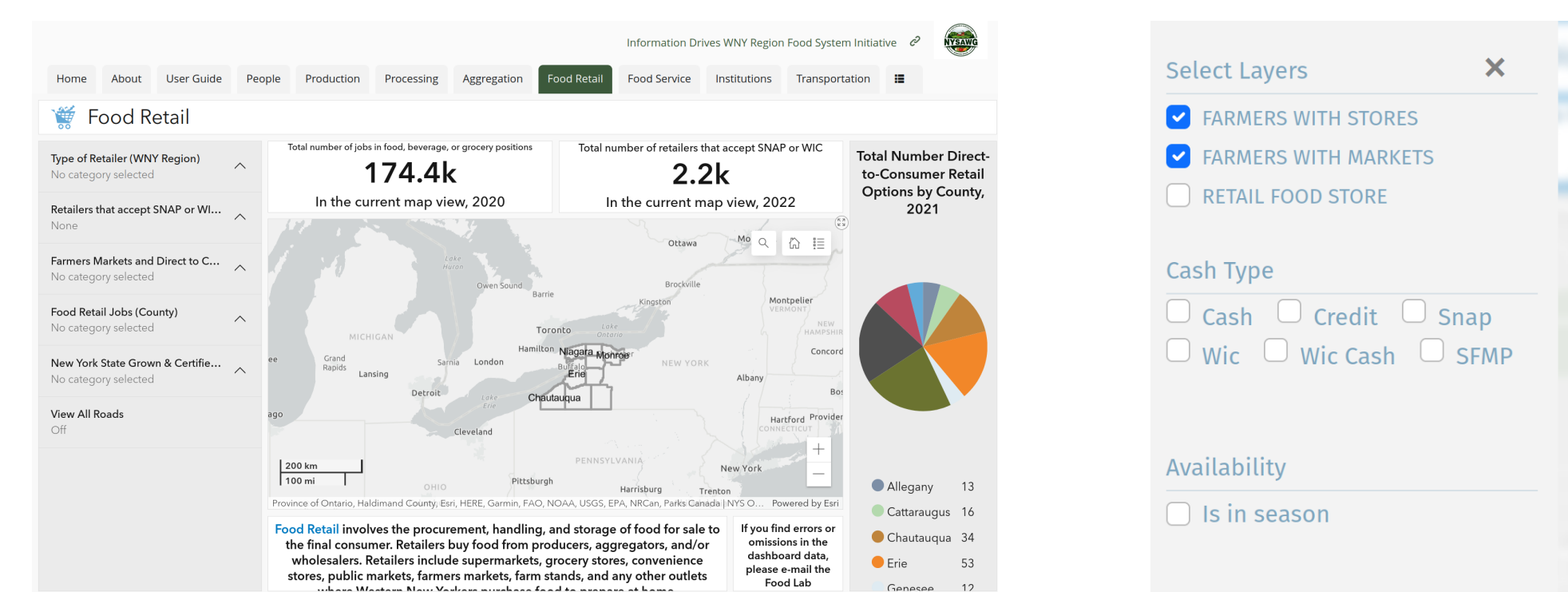
Community Partner

WNY Regional Food System Initiative

Understanding that food security has long been a major need in our community that was exacerbated by the COVID-19 crisis, a community-focused, regionally-coordinated planning initiative was launched in Western New York. The WNY Regional Food System initiative, to be known now as Food Future WNY, includes over one hundred partners representing the entire spectrum of the food system in our region including nine counties (Allegany, Cattaraugus, Chautauqua, Erie, Genesee, Niagara, Monroe, Orleans and Wyoming).

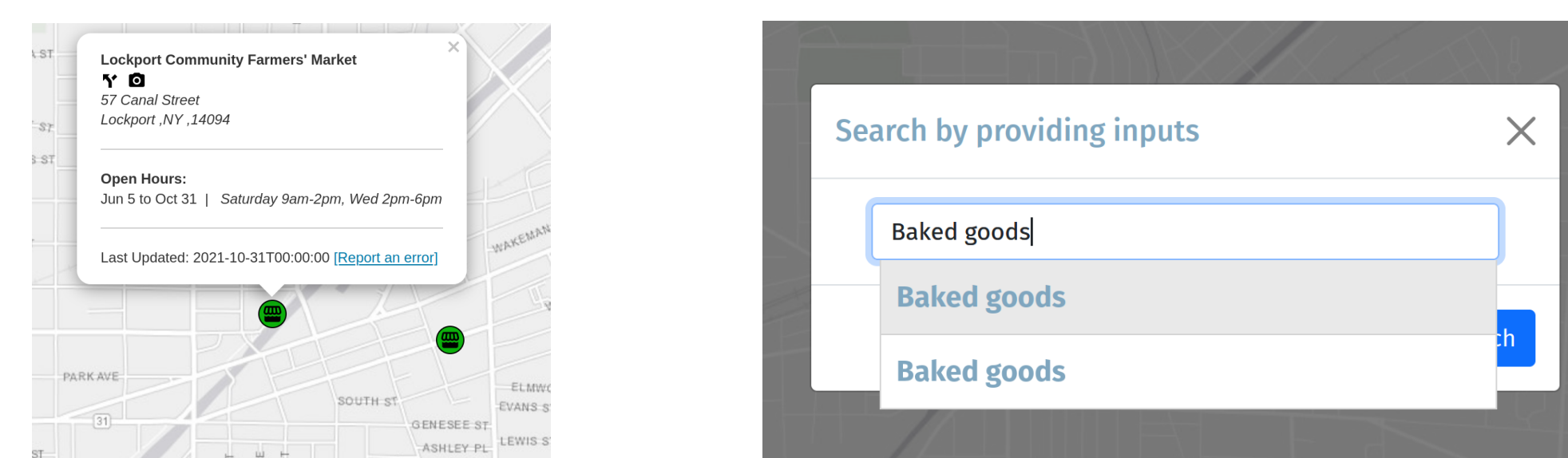


Mapping Food Resources



Datasets generated for the WNY Regional Food Systems Initiative seed FoodNet's map

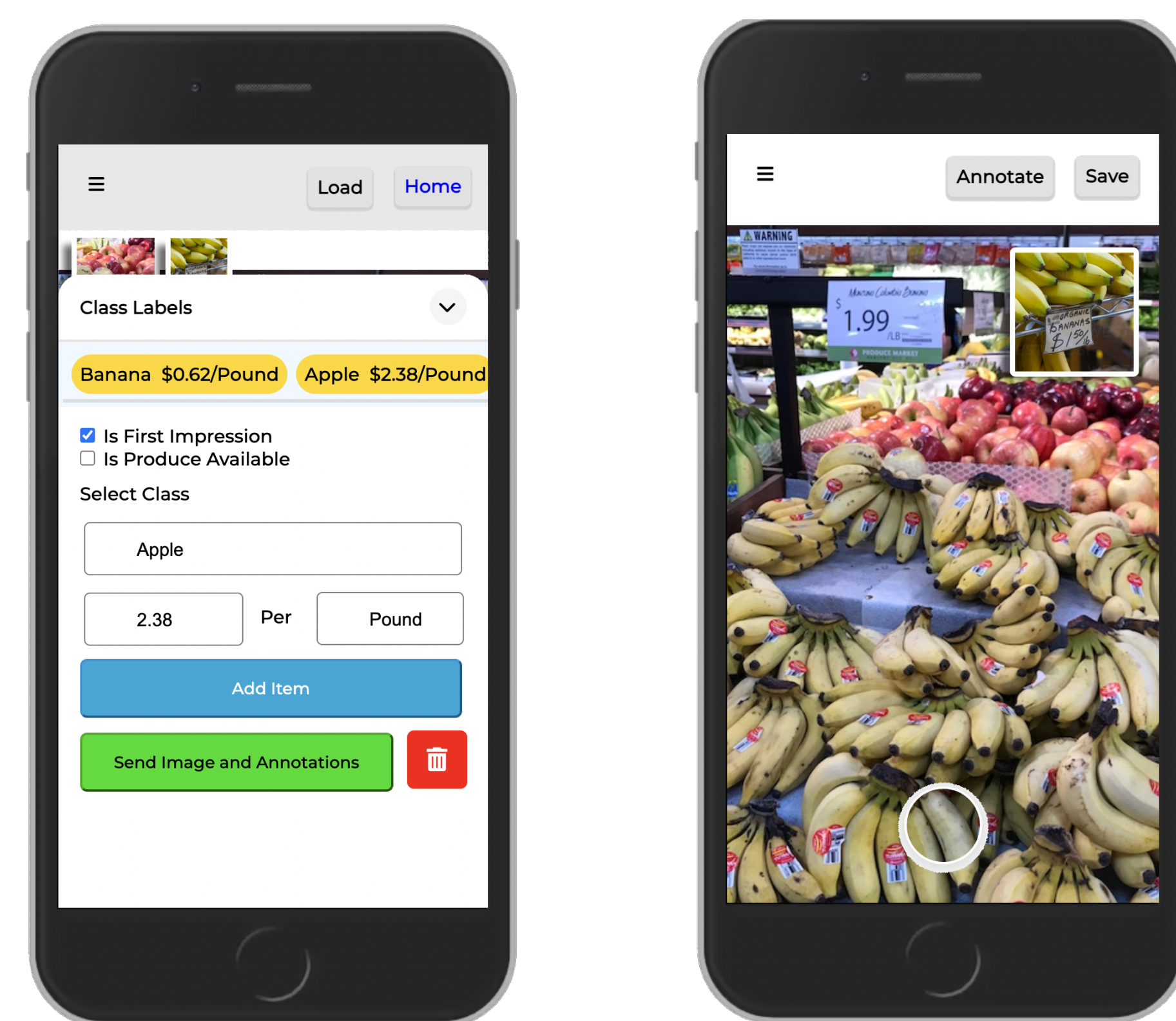
FoodNet Users can filter (e.g., by payment types)



Users see food resources with details and directions

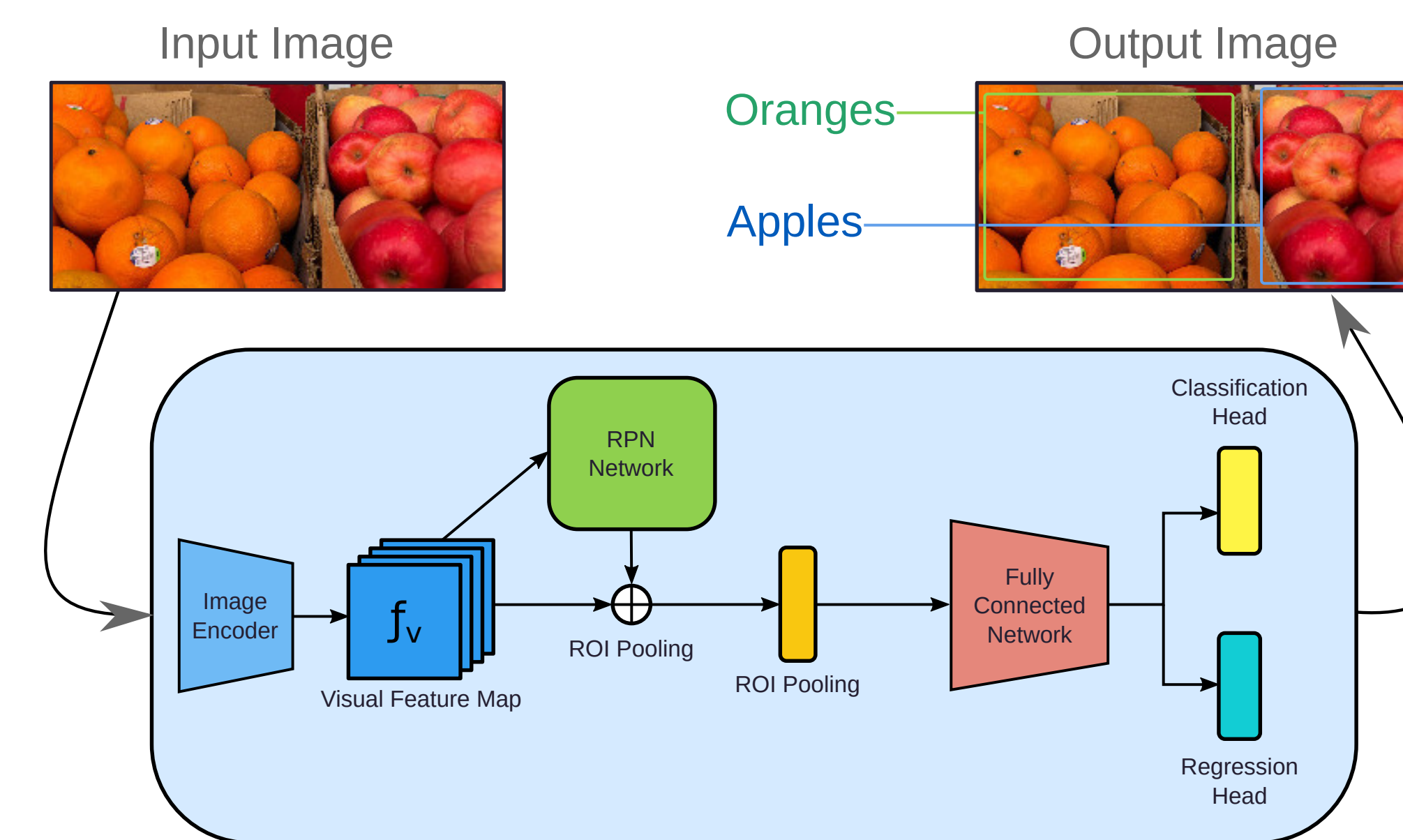
Users can filter food resources based on the availability of specific food items

Community Feedback

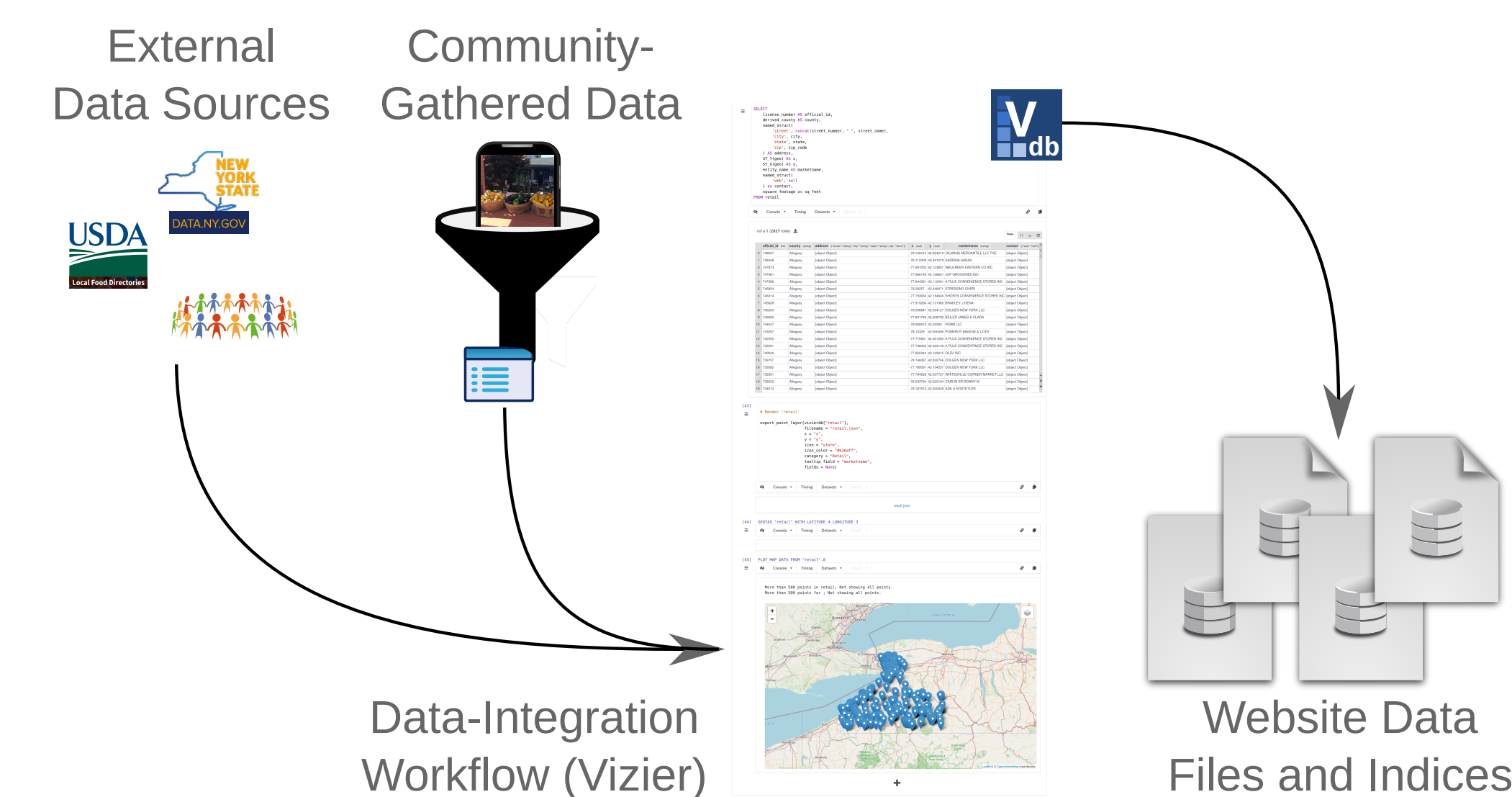


Community members help keep FoodNet's data fresh by taking pictures of produce stands. FoodNet automatically recognizes produce types in the image. FoodNet members have a chance to correct or add produce types that FoodNet's image recognition pipeline misses.

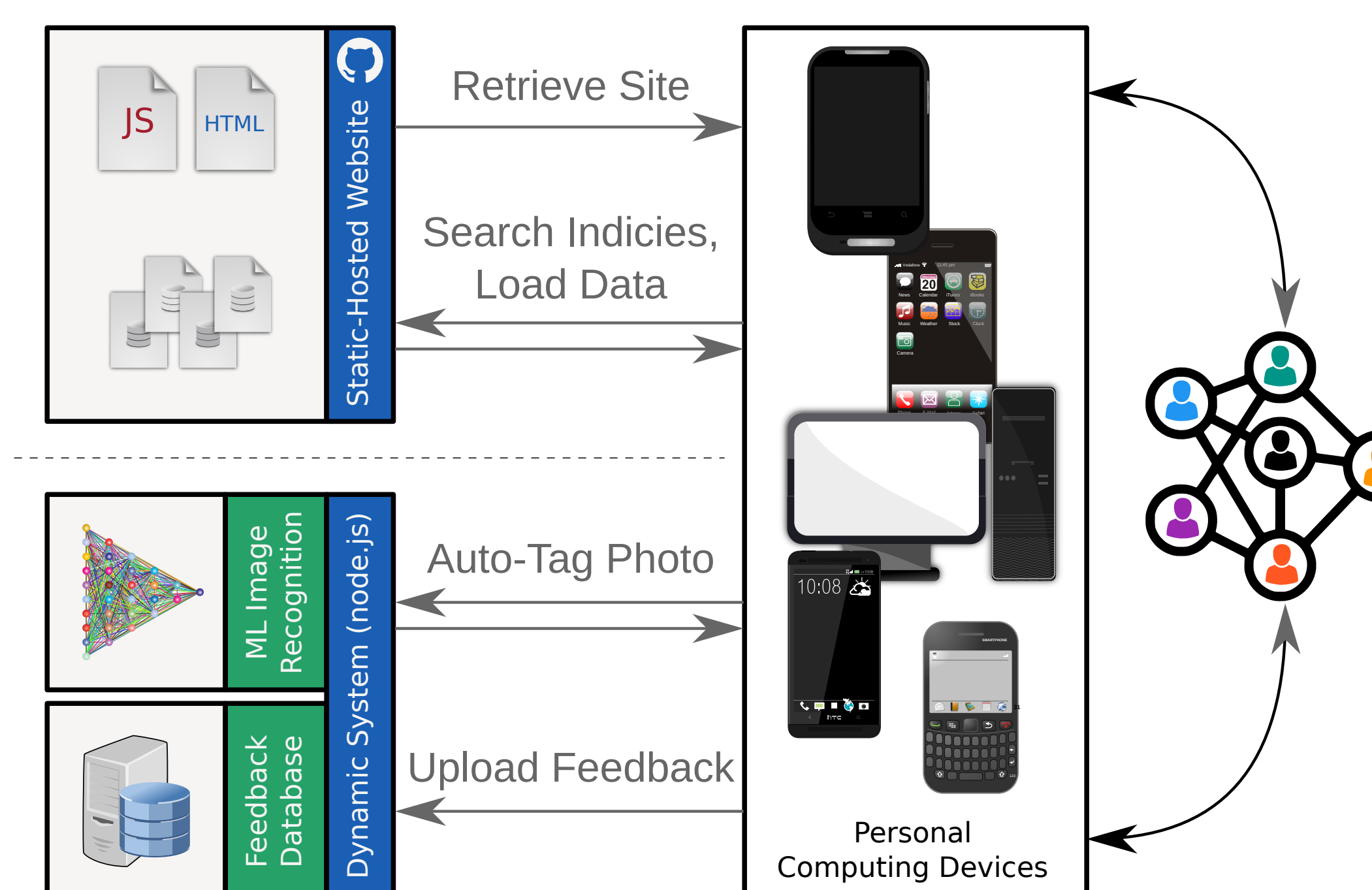
Image Recognition



Data Processing



Web Application



Demo Examples



Try it out yourself!

