

Students Discover the Personal and Environmental Impacts of Food Choices

Food Hero Calculator

Fun and Informative: A Nutritional App for Middle School Students to Understand Their Food Choices



Figure 1: Food Hero Calculator Home Page

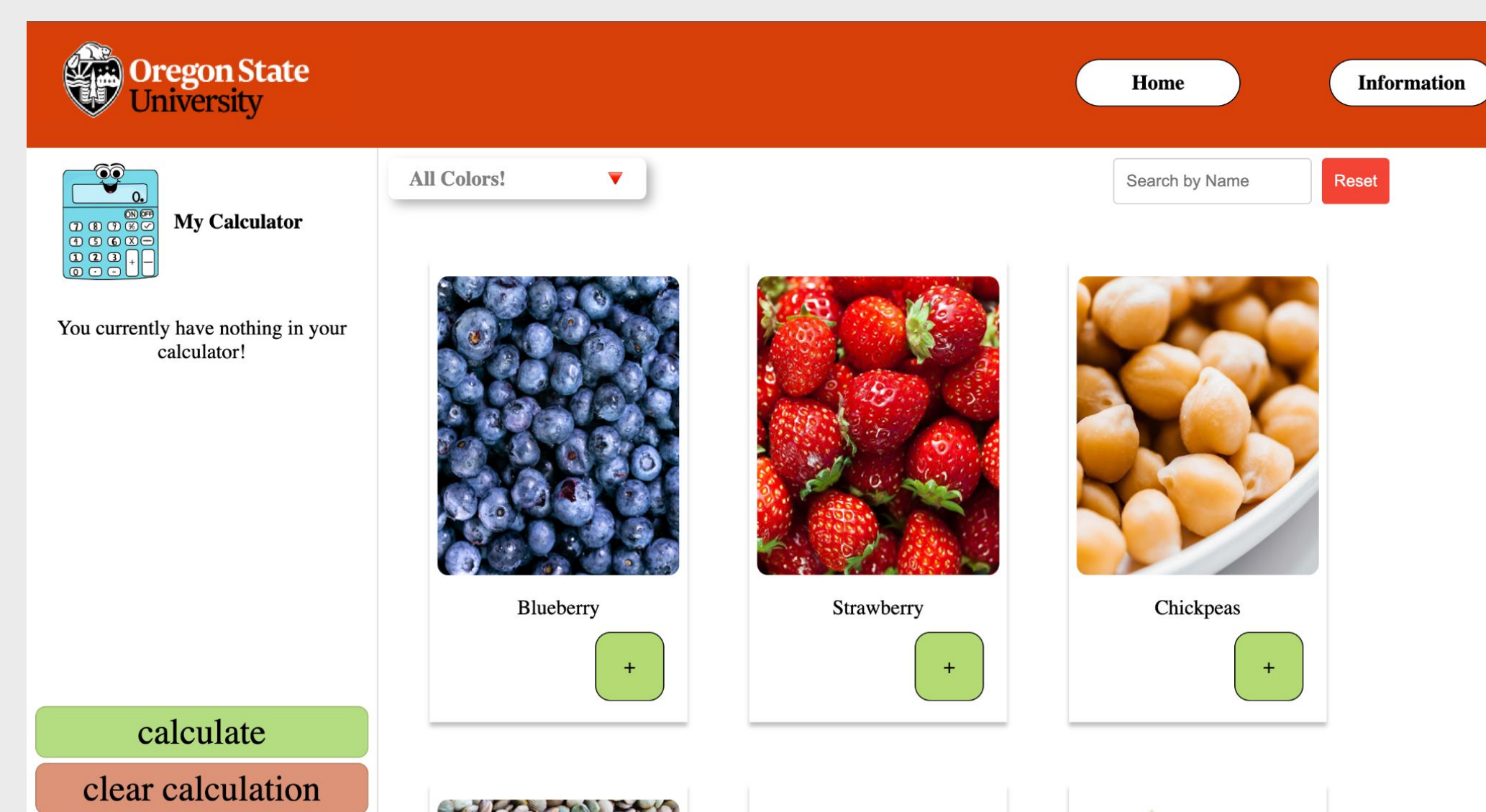


Figure 2: Initial Calculator Main Food Page

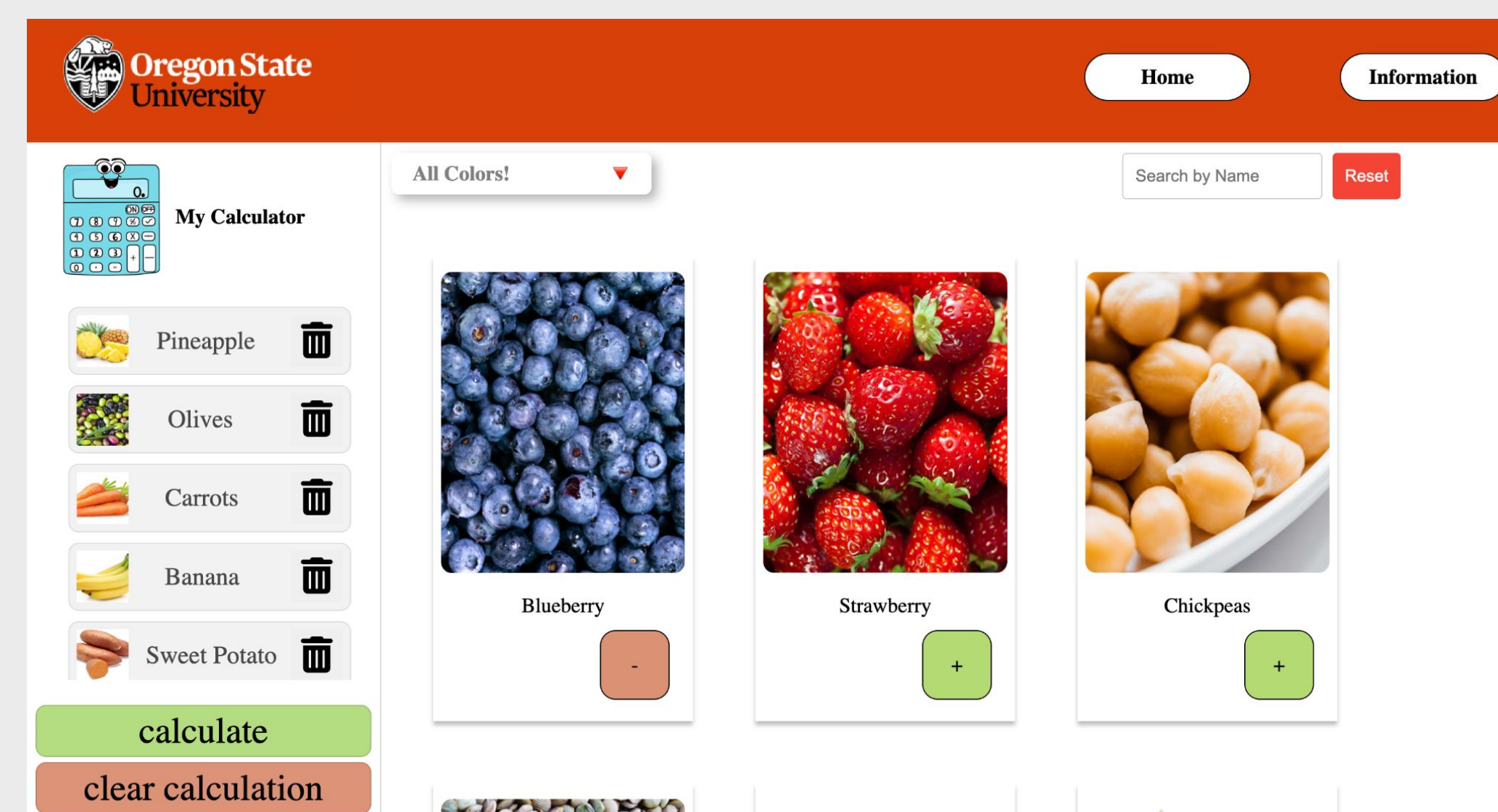


Figure 3: Food Selections from Main Food Page

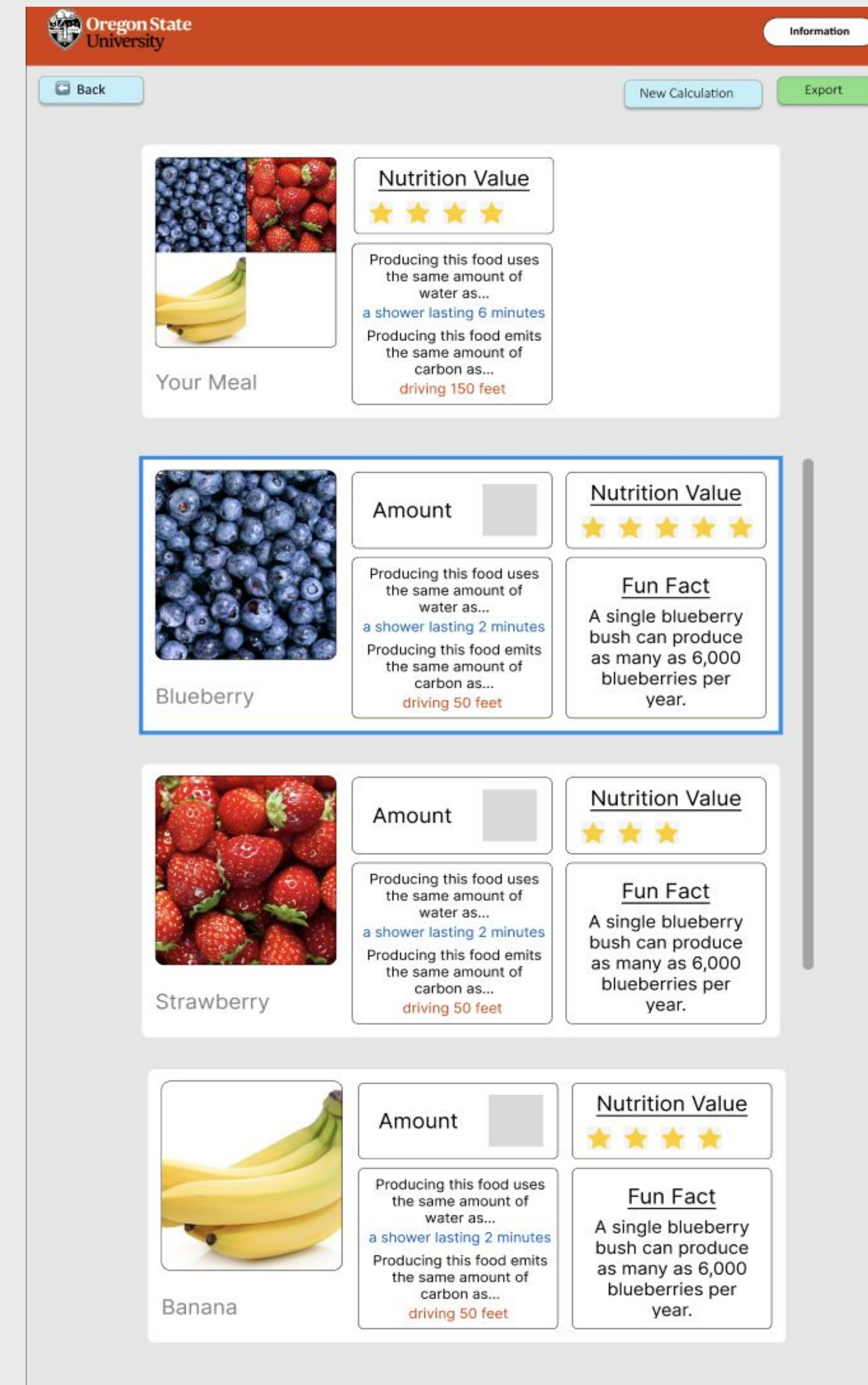


Figure 4: Results Page Prototype

Collaborative Innovation with Conscientious Development

The team dedicated considerable effort to crafting an app that educates in an empowering manner. It's designed to inspire children to make informed food choices by highlighting positive actions they can take to help the environment, rather than instilling fear about the potential negative impacts of their decisions.

ACKNOWLEDGEMENTS

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Community Engagement and Education: From Feedback to Field Implementation

- Our team engineered a web application with a JavaScript-based Next.js front end, paired with a PostgreSQL Supabase database backend for dynamic data retrieval.
- We worked to tailor the app to resonate with our primary audience of 4th and 5th-grade students.
- The app features an intuitive selection of food items, which can be analyzed for their water and carbon footprints, as well as nutritional scores.
- Additionally we incorporated a user-friendly interface for serving size customization.