



Your food allergy helper!

BY

YSA TAN

ALEX BAKER

RAUL VEGA





- **What problem does your app focus on?**
- Researchers estimate that up to 15 million Americans have food allergies [1].
- Food allergies affects 1 in every 13 children and hospital admissions for severe reactions in children have risen seven-fold over the past decade [2].
- The economic cost of children's food allergies is nearly \$25 billion per year.
- **How does your app solve this problem at a high-level?**
- Provide customers a fast and easy way to obtain allergen information of ingredients found in products sold at food stores.
- Aids user by including food additives (food coloring, etc.).

[1] <https://www.foodallergy.org/facts-and-stats>

[2] the European Academy of Allergy and Clinical Immunology (EAACI).





- **What steps did you take to build the app?**
- Used <http://developer.foodessentials.com/API> which contains allergen details of specific food products.
- Used https://developer.walmartlabs.com/docs/read/Search_API which contains food product details.
- Used *mobile-responsive layout* and *orientation change* function for use in ios device.

What features you'd like to add in an update to your app.

- Include user specific profile (warnings provided for users based on their profile).
- Make profile available to doctors and school personnel (teachers/nurses).
- Provide allergen warning icons instead of allergen names (additives, etc.) as a search result.
- UPC bar code reader in phone.

