





Chews New Foods

Developers: McKenna Childs, Shuling Lin, Venkatraman Varatharajan

Advisor: Mrs. Angela Taricco

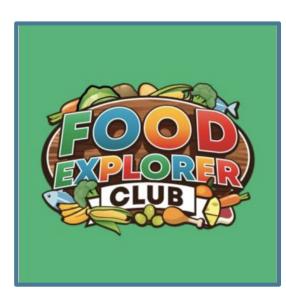
Who are we and why should you use our app?

We are team Chews Your Food and we have created the *Chews New Foods* app!

It is an app designed to..

- Help people find new foods to eat
- Give meal prep options
- Give picky eaters of all ages a place to grow and try new things without judgement

Competitors





Food Explorer Club and Picky-What's for Dinner?

Function

Our app uses..

- Single value decomposition and matrices
- Data given to the app by the user

To...

- Compare ingredients with other ingredients
- Suggest new ingredients
- Adjust user's preferences as they try more!

User Interface



Algorithms and Technologies









Android Studio, Firebase, Github, and Java

App Architecture Preferences stored in app through shared preferences Information runs through single value decomposition (SVD) program Likes SVD gives an ingredient User sets application preferences User is presented with ingredient on display User tries ingredient, submits if they liked or disliked

Extensions

- Add a feature that allows the user to like or dislike the ingredient options they're given using a swipe left or right style
- Present ingredients as well as recipes to the user
- Allow the user to edit their preferences lists as their palette expands
- Display an image alongside the ingredient or recipe