MIT APP INVENTOR

MENULENS

Clem Yue

SUMMER APPATHON

OVERVIEW

- **App Name:** MenuLens: Multilingual Delights in Pictures
- **App Description:** An app that helps you to know what dishes on the menu looks like, which also supports multiple different languages on menus.
- **Track:** Youth Individual
- **Category:** Creativity

THEME

We've all encountered the problem of visiting a restaurant with a menu in a foreign language, leaving us unsure of what to order. However, in Japan, it's common to find lifesize models of the dishes on display at most restaurants. To tackle this menu language barrier, I came up with an idea to make an app that showcases pictures of the food items on the menu.

INSTRUCTIONS

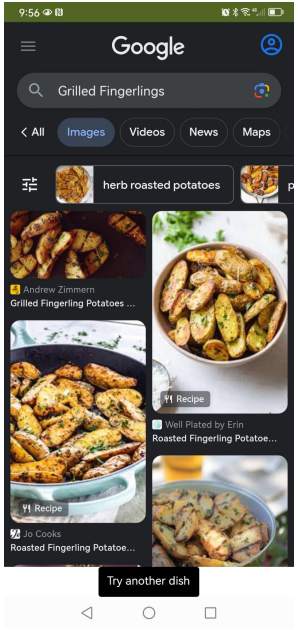
Step 1: Open the app

Step 2: Click “Take Picture”

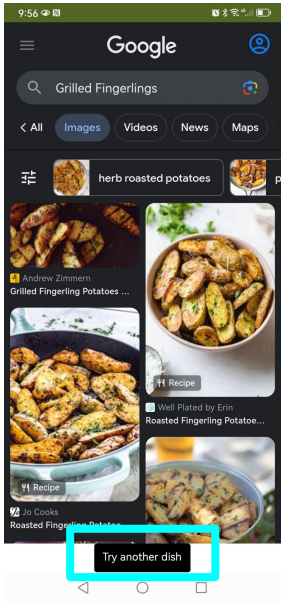
Step 3: Draw around the dishes name

INSTRUCTIONS

Step 4: Click Select Area or Click Clear Lines to redraw



Step 5: Last but not least the pictures of the unknown dish



Step 6: Click “Try Another Dish” to start over

LIMITATIONS

After taking the picture if the name of the dish is too close to the edge then it may be cropped off.

ACKNOWLEDGEMENTS

- Cong Yue: Main Coach of the team
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APPENDIX

This app was designed around the concept of utilizing APIs and various extensions to bring my ideas to reality. Initially, I anticipated a lengthy and grueling process of searching for the perfect API or extension, as well as figuring out how to make everything work together. However, with the help of MIT App Inventor and its intuitive block coding style, I found it easy to code with. After receiving some guidance from my dad, I successfully programmed everything within just a week.