

Mobile Application for Beef Cut Classification

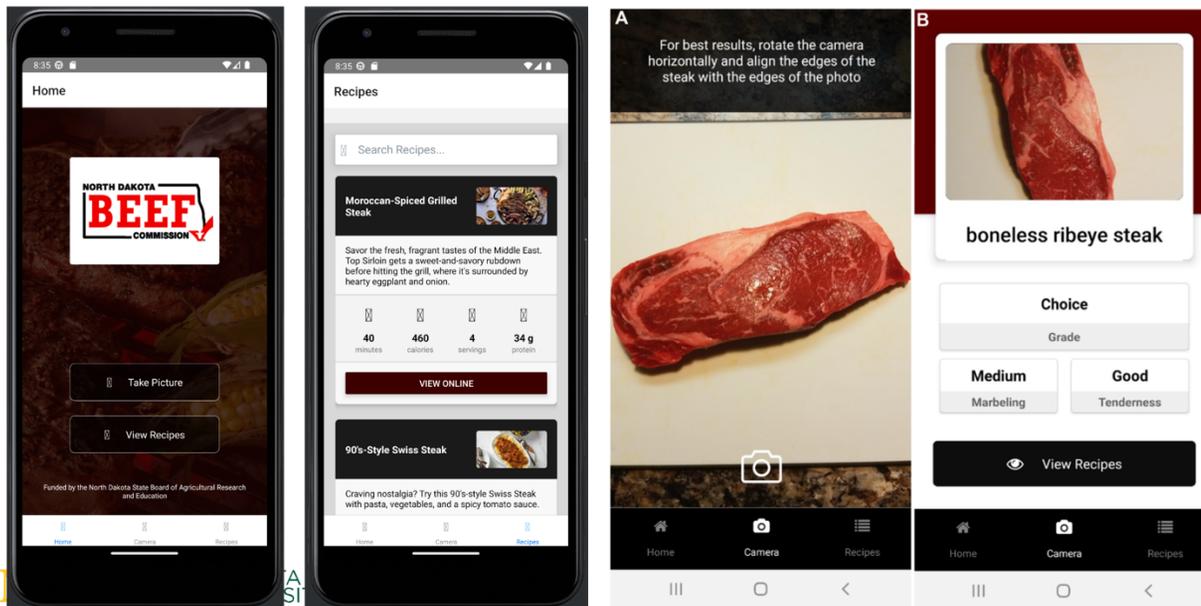
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Background

- The average consumer relies on accurate labeling for information about beef cut source, nutrition, and quality
- Mass produced beef products are often mislabeled

Objective

- Develop a machine-learning based mobile app that identifies beef quality to improve consumer knowledge when purchasing beef products



Features

- Home screen with easy navigation to other pages
- Allows user to use camera to capture the subject of classification
- Analysis of cut's category, grade, marbling, and tenderness
- Presentation of preparation information of various cuts

Limitations

- Necessary to test accuracy on physical device as app relies on quality of photos by user

Future works

- Continue to update compatibility with new Android/iOS versions
- Change app icon on Android and IOS