

Food Managing Application for People with Diabetes

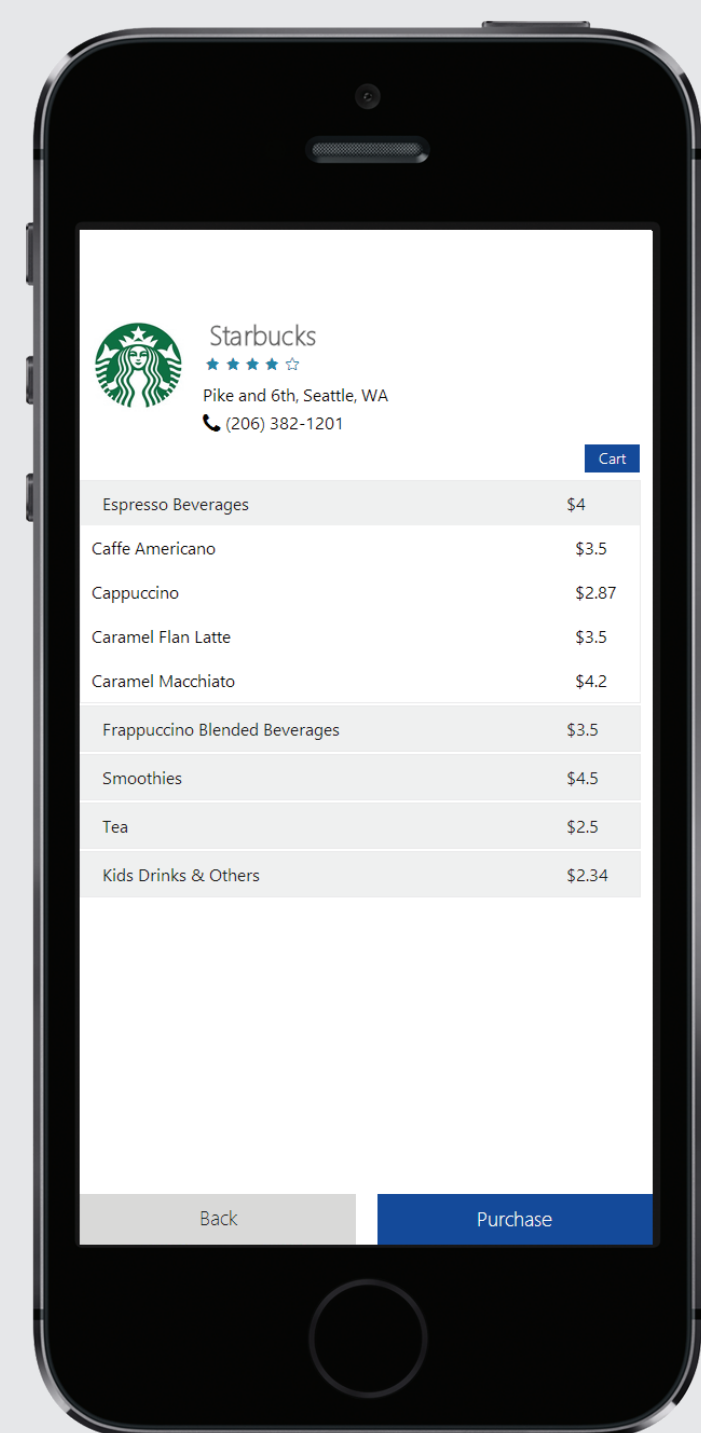
Background Information

Nearly 26 million Americans suffer from diabetes. Poorly controlled diabetes exacerbates other serious health complications. People with diabetes need to meticulously monitor their blood sugar and limit their calorie and carbohydrate intake.

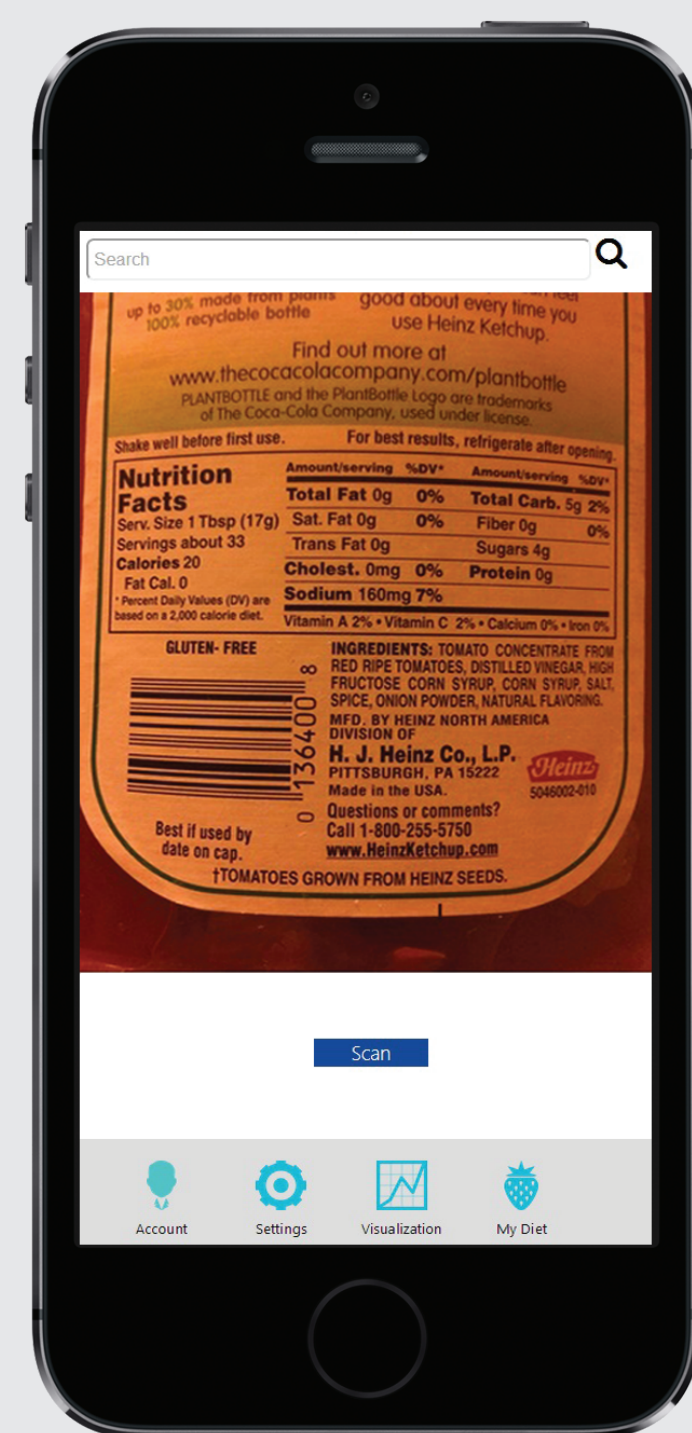
Solution

A web application that provides healthy food recommendations as well as tracks blood glucose levels, calorie intake, and carbohydrate consumption.

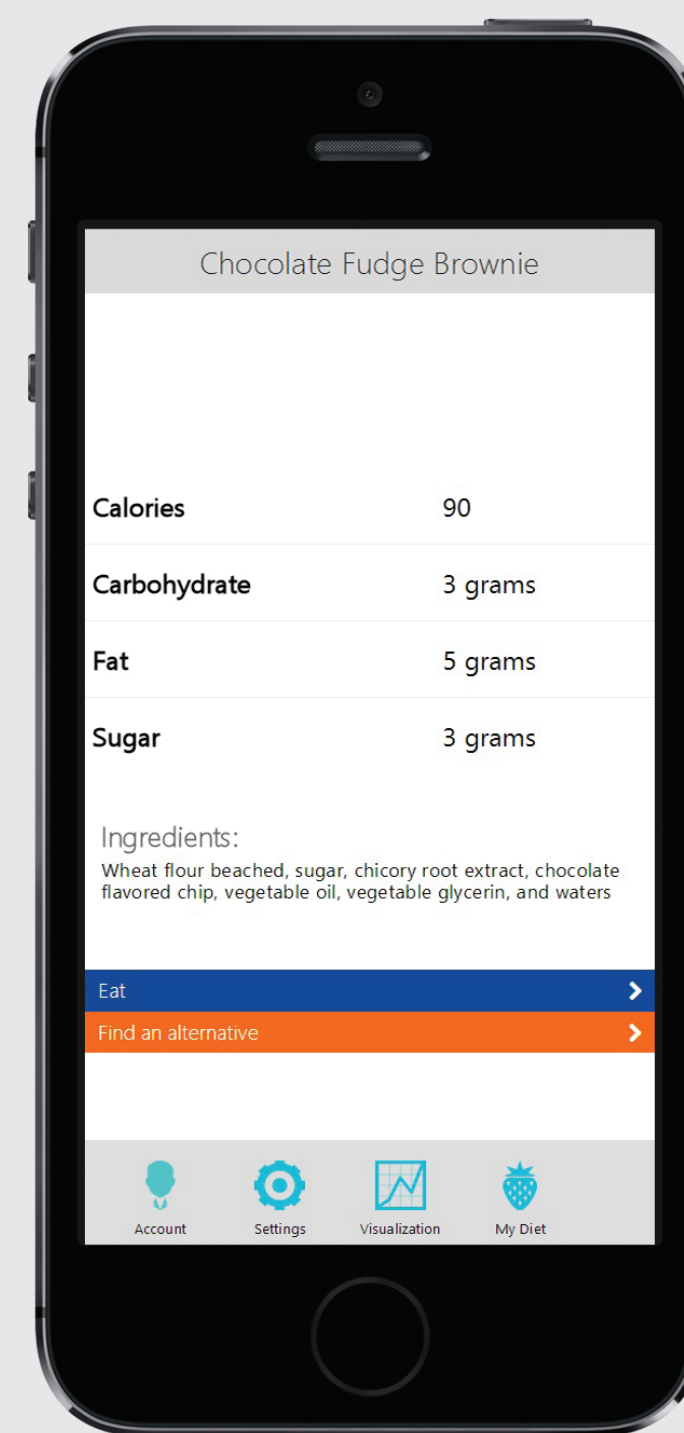
Screenshots



Menu customized to user dietary needs



Food barcode scan option



Nutrition facts show only relevant information

Problem

Diabetic patients face daily challenges in planning meals, eating out, or navigating restaurant choices and menu offerings that best fit their strict dietary needs. Trying new food requires a lot of effort and often this information is not always readily available.

Process

- Conducted extensive medical research through literature review and interviews with medical professionals
- Created wireframes and tested paper prototypes
- Built web prototypes and conducted user testing
- Implemented changes

Audience

The user groups are people with pre-Diabetes, Type-1 Diabetes and Type-2 Diabetes. The age range for this group is from 25 - 40 years old.

Features

- Recommends healthy food choices
- Provides data visualization of blood sugar, calorie intake, and carbohydrate consumption.
- Customizable to fit individual needs

Acknowledgements

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