

Hi-Fi Prototype v1

Mandarin Trainer!

Team 7

Shiny Yu and Eric Bennett



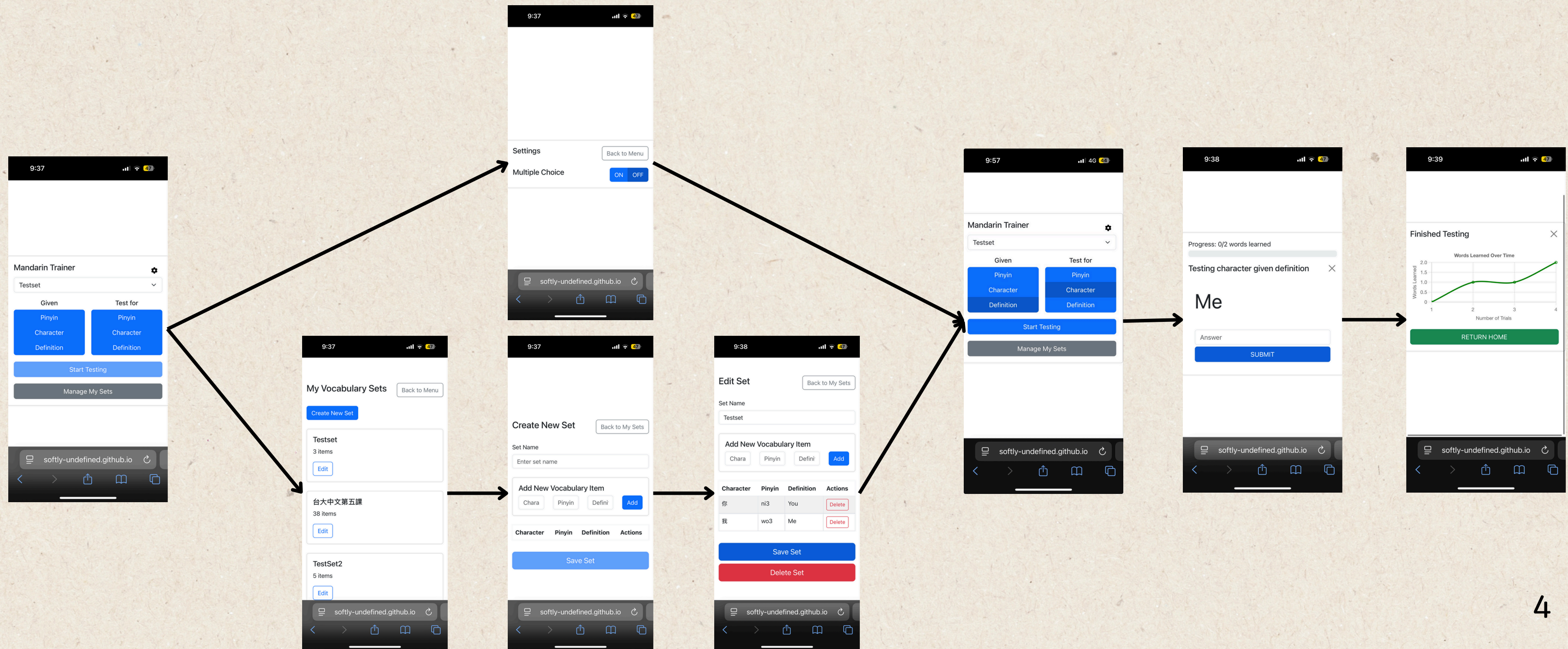
Value Proposition and Solution

- Vocab learning platform that fits the complexity of Chinese language learning
- While a variety of vocab tools exist on the market today, nothing quite integrates the complexity of learning Chinese while keeping both customizability ease of use. We propose a tool which fills this void, providing beginner to advanced Chinese learners with a tool to fit the way they learn perfectly.

The background of the slide features a close-up, top-down view of several white dominoes scattered on a light-colored wooden surface. The dominoes are oriented in various directions, showing different faces with black numbers. The numbers visible include 1, 2, 3, 4, 5, and 6. The lighting is soft, creating subtle shadows and highlighting the texture of the wood and the smooth surface of the dominoes.

Revised Design

Revised Design



Revised Design

Mandarin Trainer BETA

select a set ▼

Review Set

Given Test for

Pinyin Pinyin

Character Character

Definition Definition

GO!

9:37

Mandarin Trainer

Testset ▼

Given Test for

Pinyin Pinyin

Character Character

Definition Definition

Start Testing

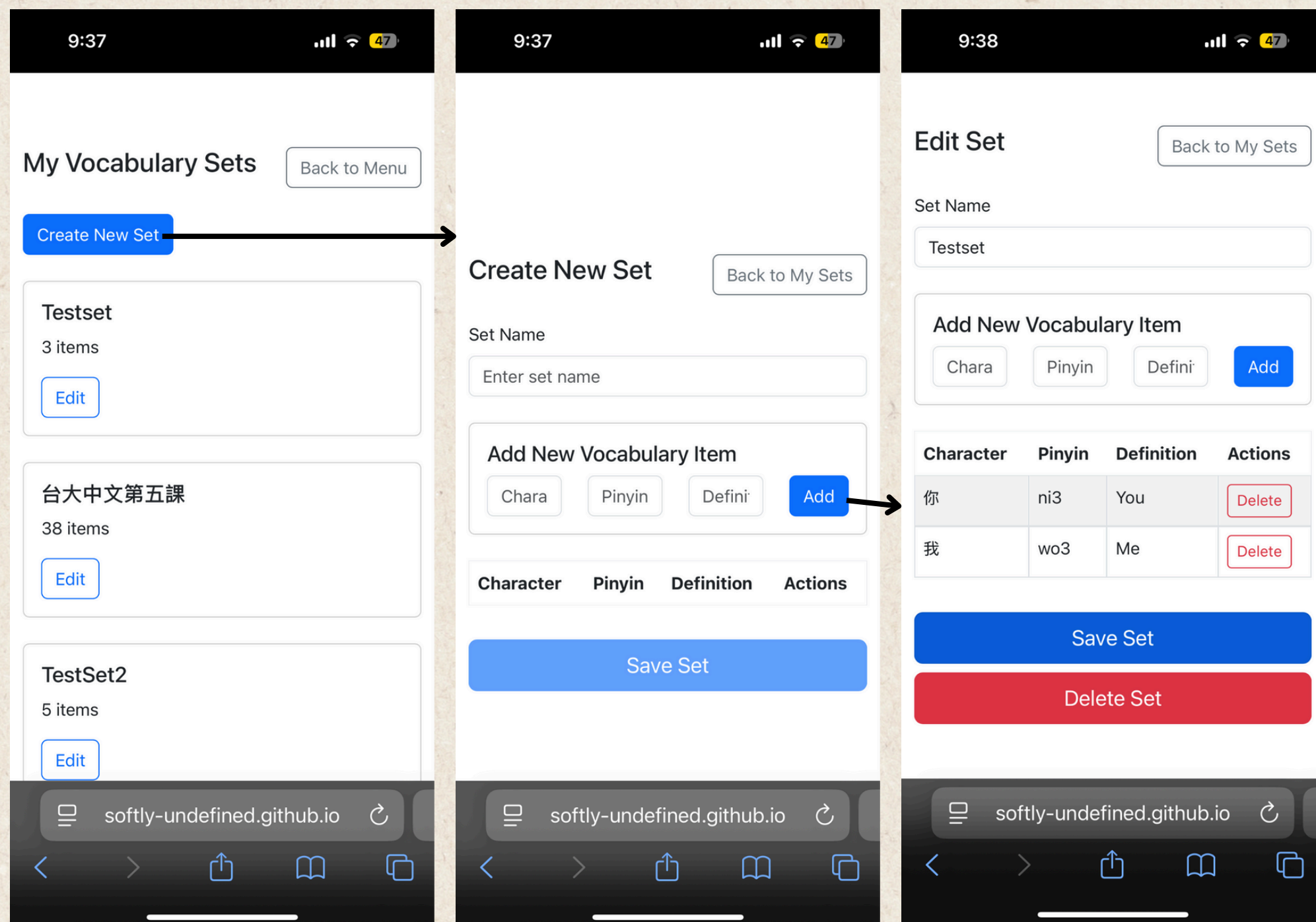
Manage My Sets

softly-undefined.github.io

Home Page

- Based off of the original prototype version
- Added "Manage My Sets"
 - "Select a set" dropdown dynamically pulls from currently created sets
- Google Firebase Backend
- React.js web-based

Revised Design



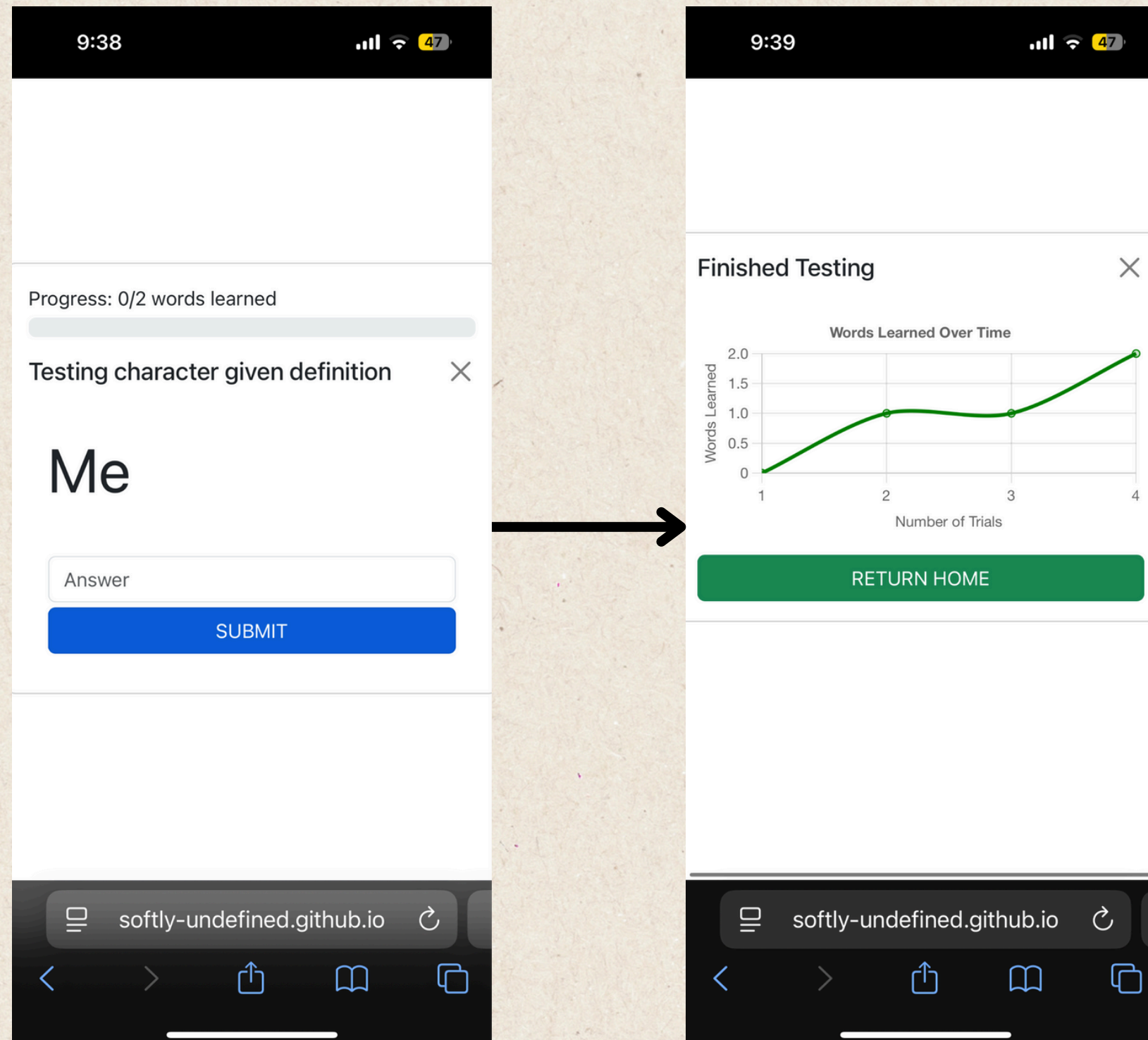
Set Editing

- Individualized per user
- Adding/Removing sets/vocabulary

Future additions/plans:

- Ability to search sets
- auto-fill PINYIN/definition
- Ability to 'sort' sets

Revised Design



Testing Zone

- Added progress bar to track learning progress

Training Graph

- Shows the speed of learning
 - Potential for improvement

Prototype Implementation Status

Tools used:

- ChatGPT
- CursorAI
 - Extremely useful for implementing Firebase!

Building off an existing prototype was extremely useful!



Unimplemented Features/Plans

Big Changes Needed

- Revamp of the UI/UX Design / Addition of Dark Mode
- Removal of the current home screen/replacement with a new home
- Addition of Autocomplete/Search to access vocab sets from other users

Small/More Immediate Changes Needed

- One particular error where you make a vocab set with less than 4 words and then turn on multiple choice and begin testing and it breaks everything
- Ability to logout of a Google account within the app and sign in to a new one
- Some errors with the new pages concerning window size using on mobile



Demo Video



Demo Video

Simple Task

Create a vocab set entitled ExampleSet, create 5 terms, and return to the home screen.

Moderate Task

Create a vocab set entitled ExampleSet, create 5 terms, and return to the home screen.

Complex Task

Change the setting to multiple choice mode, choose the vocab set ExampleSet, review the vocab set, select a method of testing, and complete the testing until reaching completion.



<https://drive.google.com/file/d/1OpVuB1FoqEa0Iv9yi0csaWokWy5EU6r2/view?usp=sharing>



Thank You