

Hi-Fi Prototype v1

Mandarin Trainer!

Team 7

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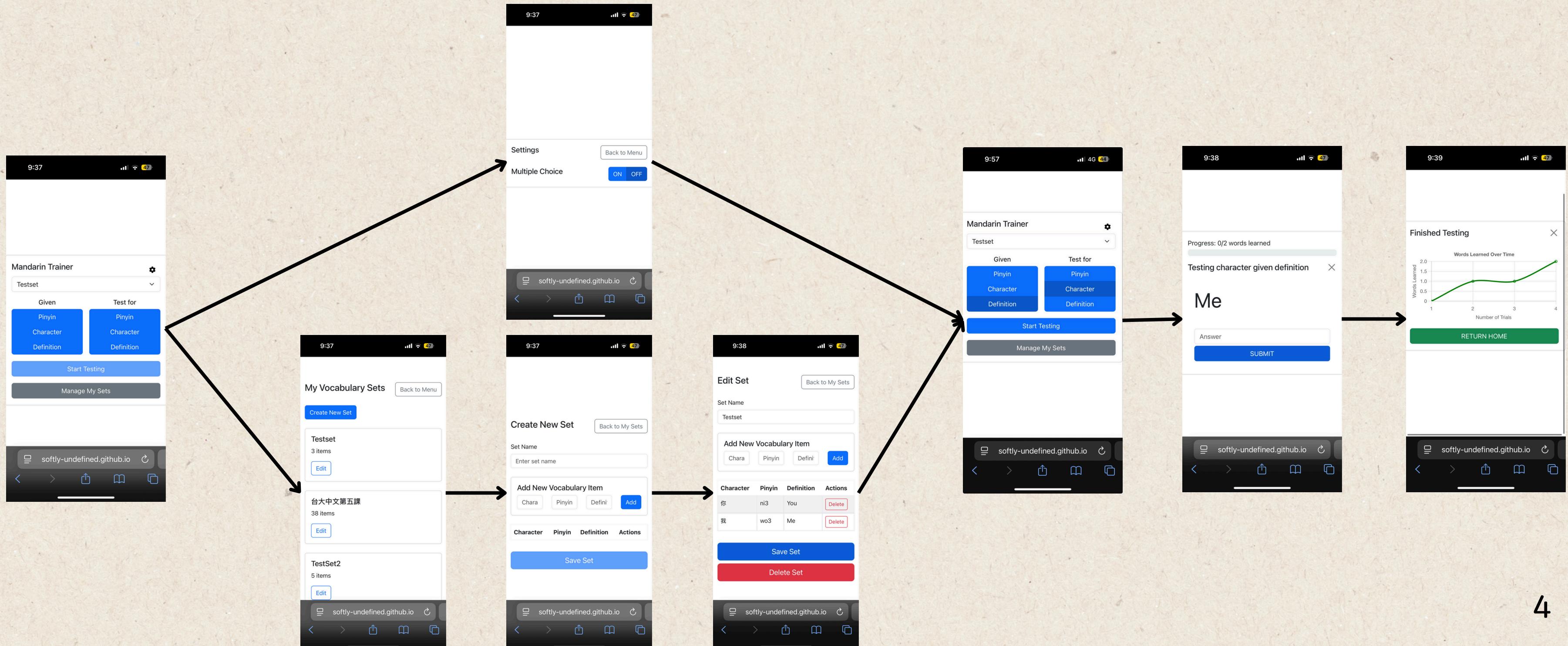


Value Proposition and Solution

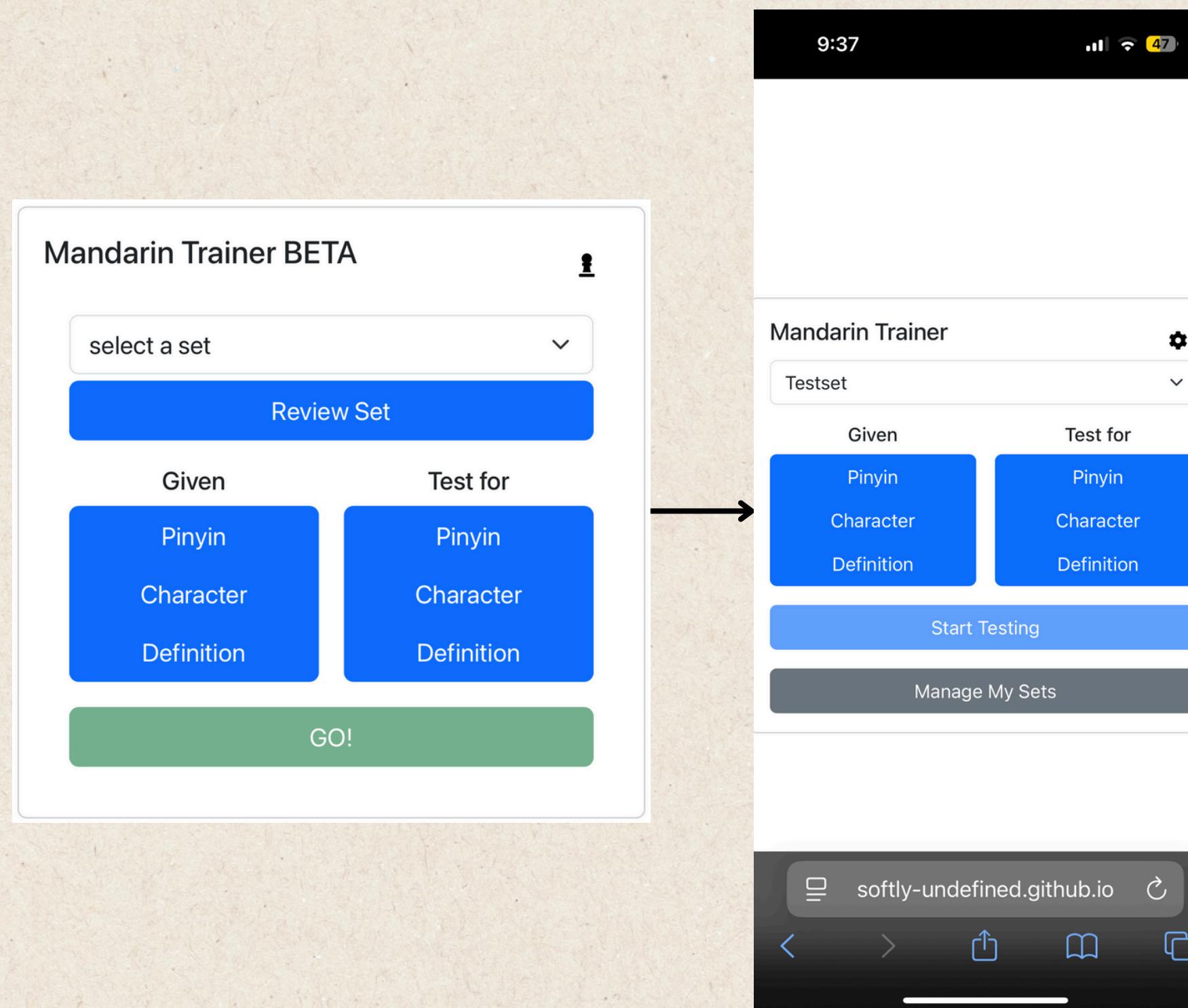
- Vocab learning platform that fits the complexity of Chinese language learning
- While a variety of vocab tools exist on the market today, nothing quite integrates the complexity of learning Chinese while keeping both customizability ease of use. We propose a tool which fills this void, providing beginner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

Revised Design

Revised Design



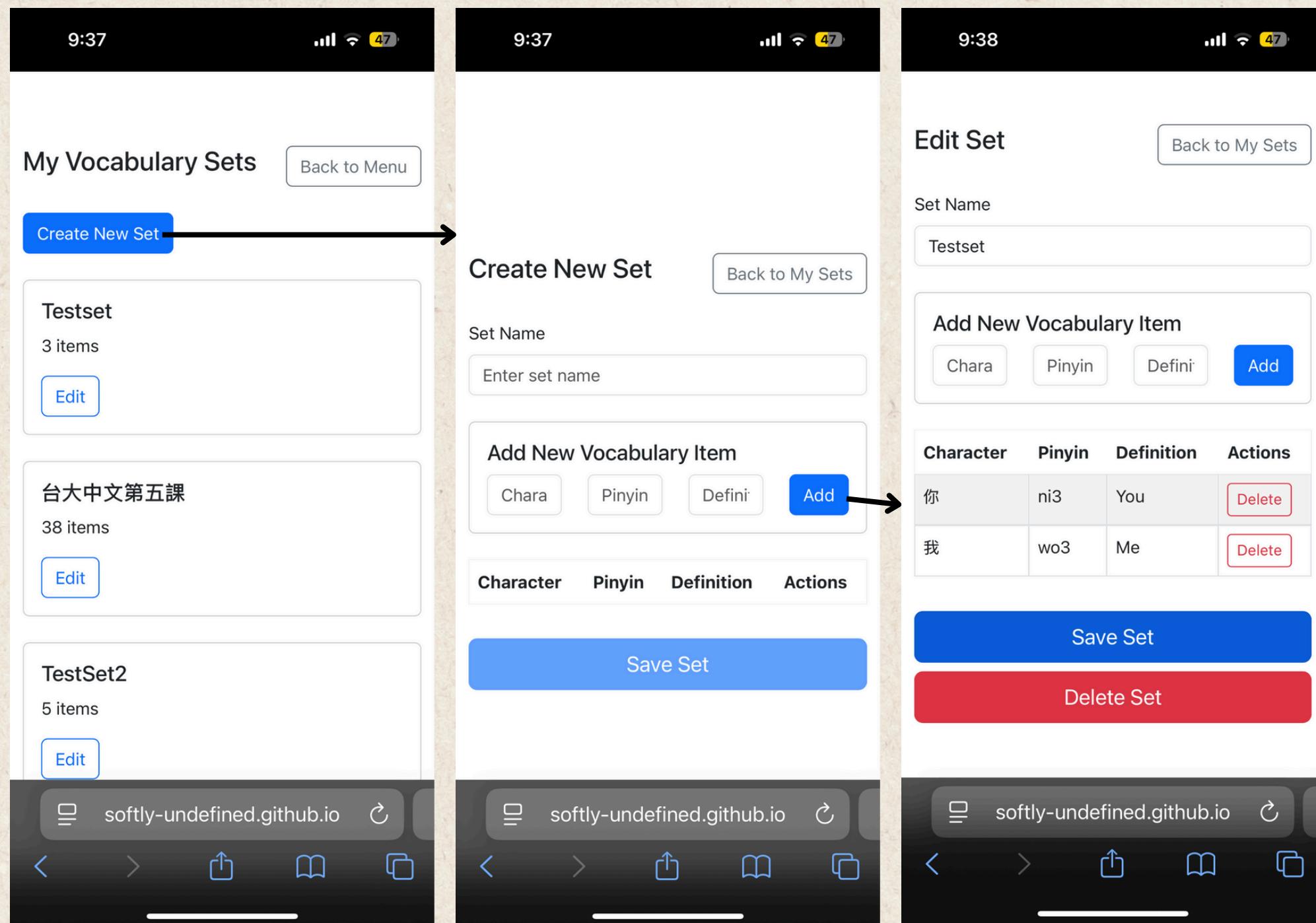
Revised Design



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



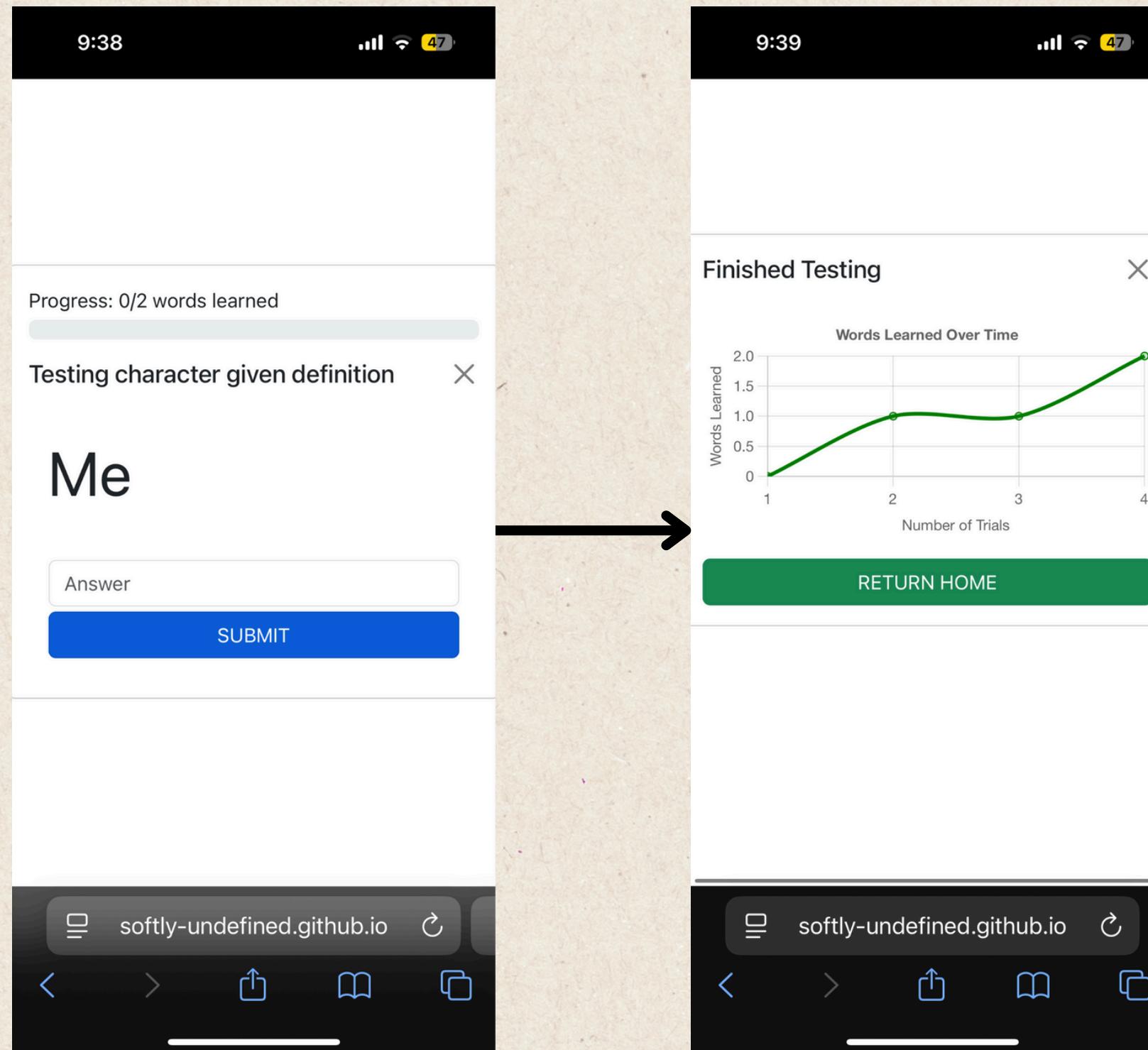
Set Editing

- 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