

Usability Testing

Mandarin Trainer!

Team 7

Shiny Yu and Eric Bennett



Team Members



Shiny

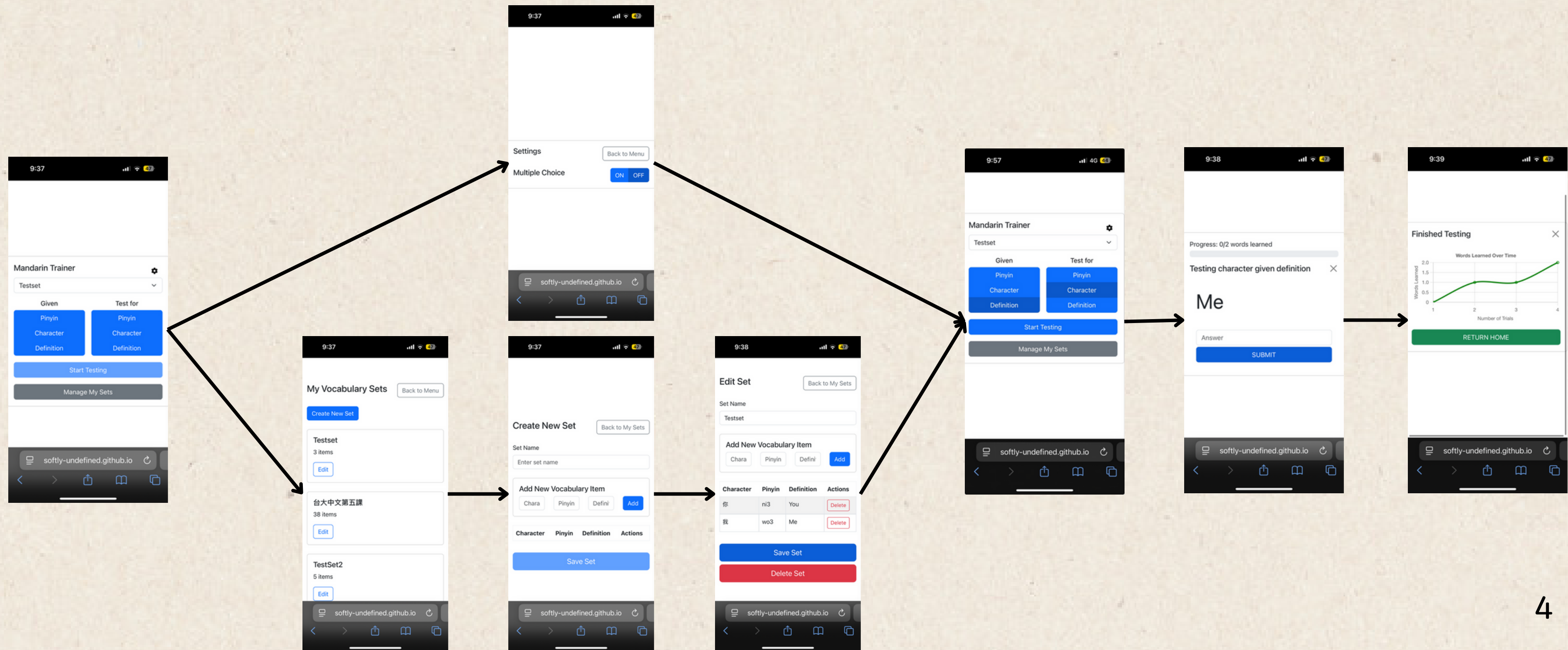


Eric

Value Proposition and Solution

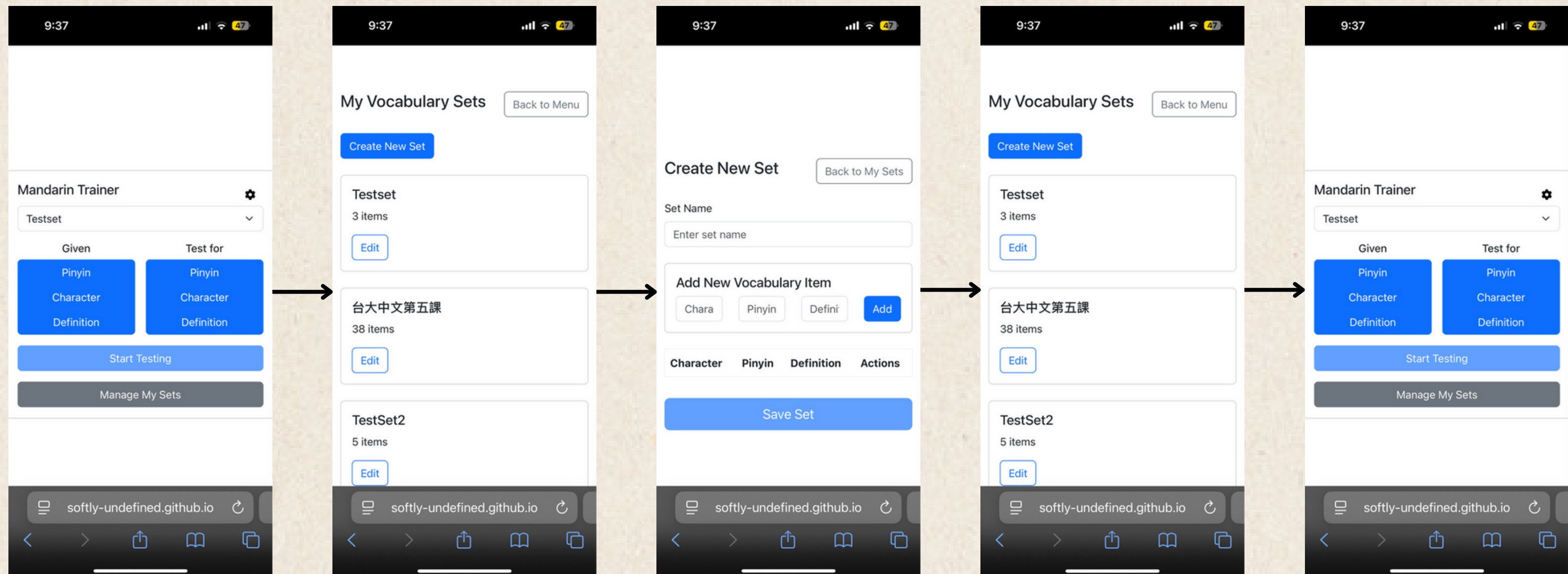
- Vocab learning platform that fits the complexity of Chinese language learning
- While a variety of vocab tools exist on the market today, nothing quite integrates the complexity of learning Chinese while keeping both customizability ease of use. We propose a tool which fills this void, providing beginner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

Revised Design



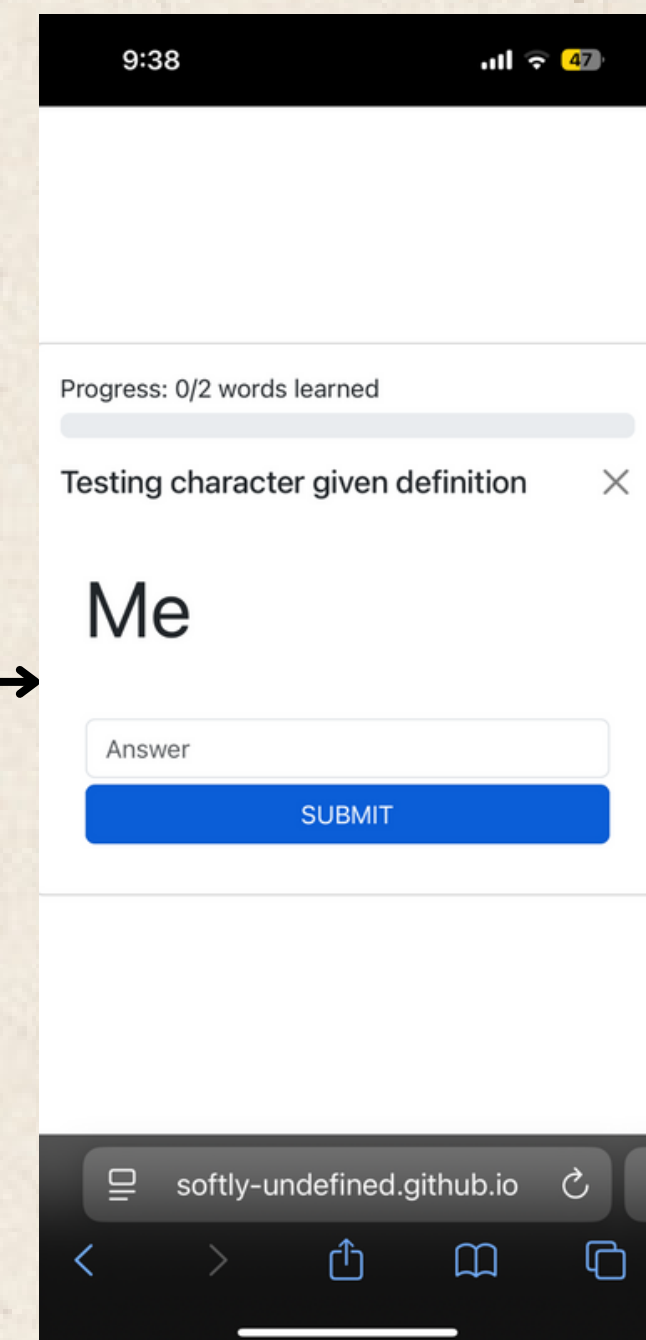
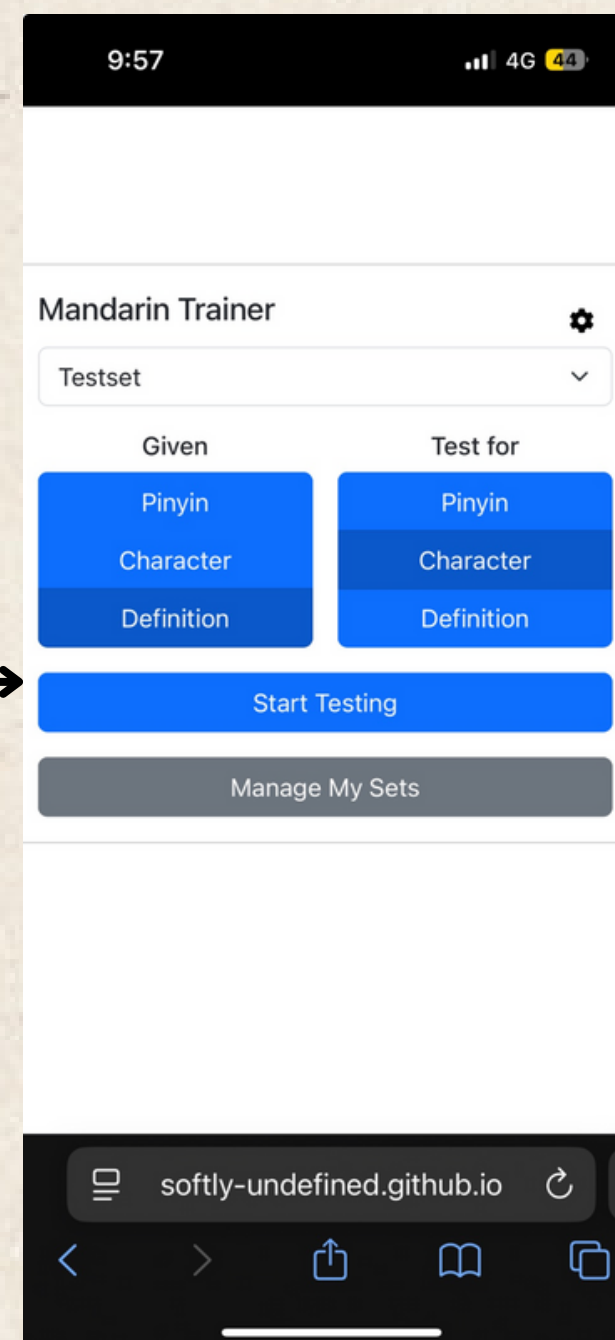
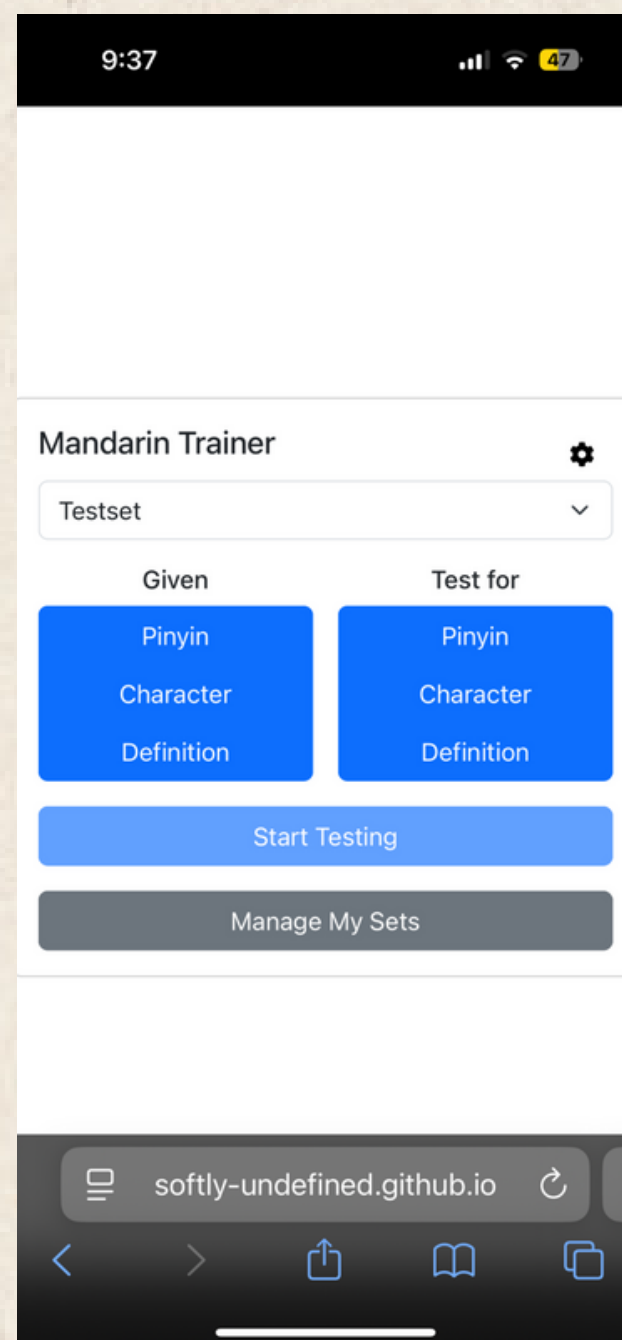
Simple Task

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



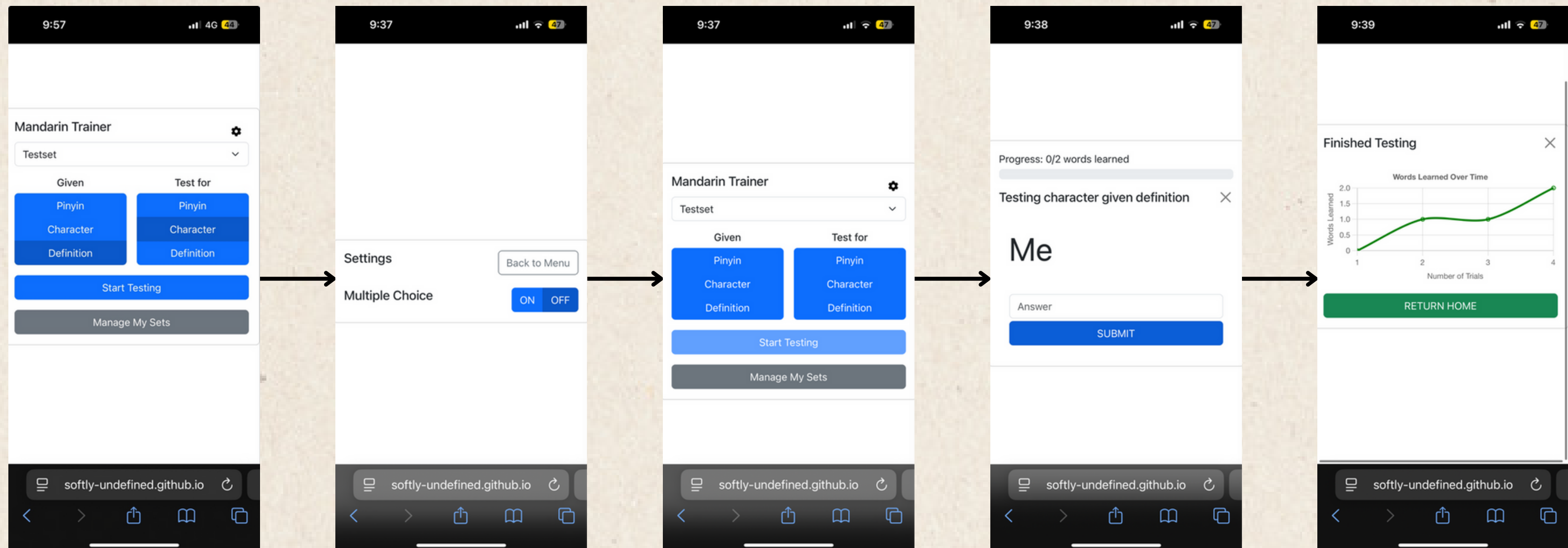
Moderate Task

Select a vocab set and a method of testing, and begin testing



Complex Task

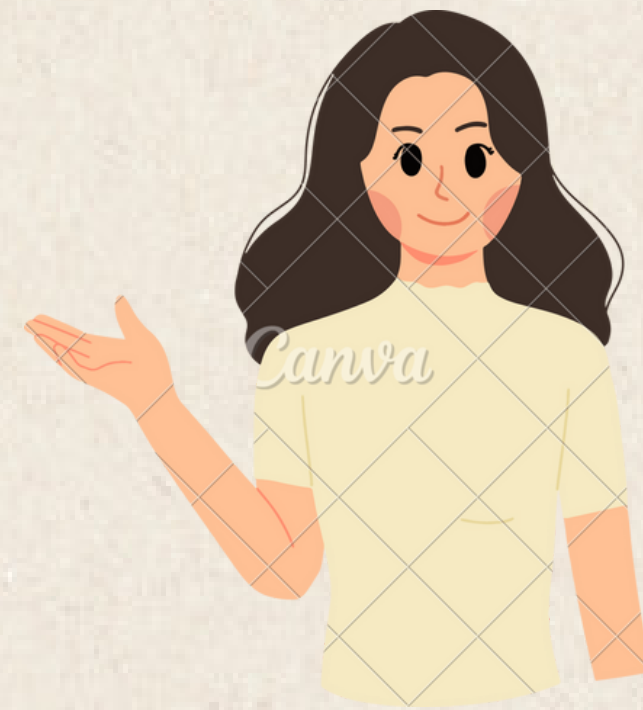
Change the setting to multiple choice mode, choose the vocab set ExampleSet, review the vocab set, select a method of testing, and complete the testing until reaching completion.



Participants



Rosie



Kaila

Participants

Provided this tool to a class of Mandarin Learners:



Eric's Classmates

Notes

- Enjoyed the separation into 3 areas
- Suggested making the Free Response answering case-insensitive

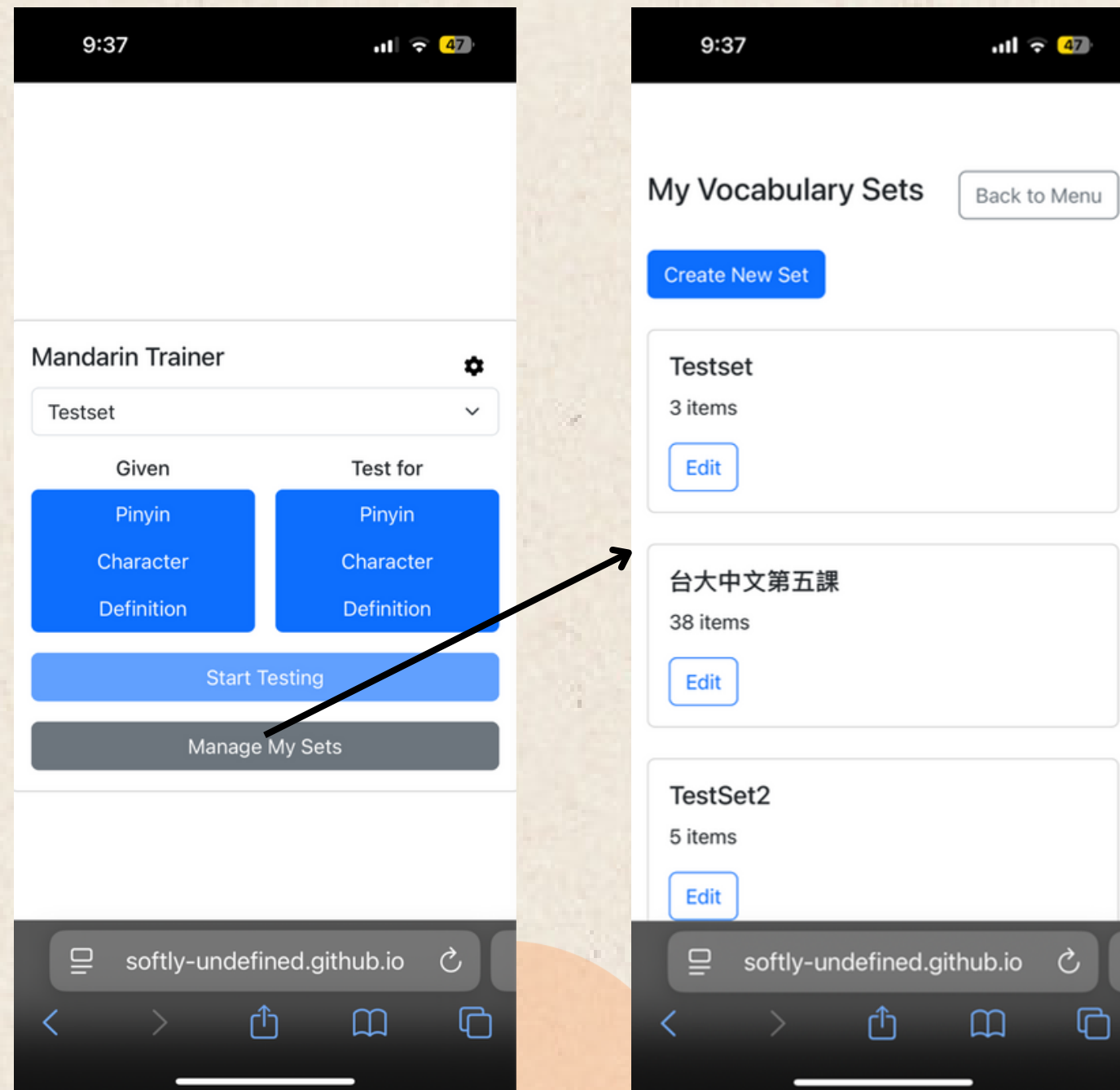
General Scores:

- Convenience (out of 10): 7
- Speed compared to normal method (5 being the same): 7
- Likelihood to use again (out of 5): 4

Usability Analysis

Severity	Description
4	“Create New Set” is Hidden Under “Manage My Sets”
4	Strict answer validation during testing (Case/Space Sensitive)
4	No “Next Word” button on correct/incorrect feedback screen
3	Incorrect Words Reappear Immediately
3	“Start Testing” and “Given/Test For” Buttons Look Too Similar
3	Hard to Find how to change to “Multiple Choice” Mode

Create New Set



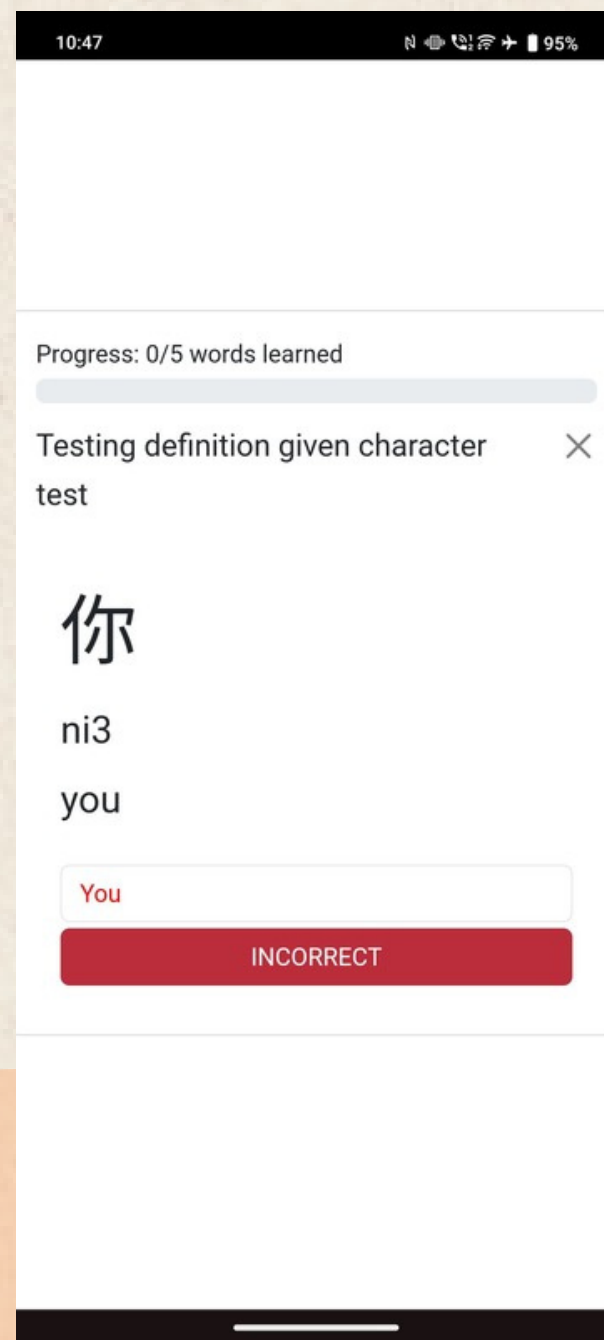
Problem:

Users don't intuitively look under "Manage" to create a new set

Fix:

Move "Create New Set" to a clearly visible location on the home screen

Case/Space Sensitive



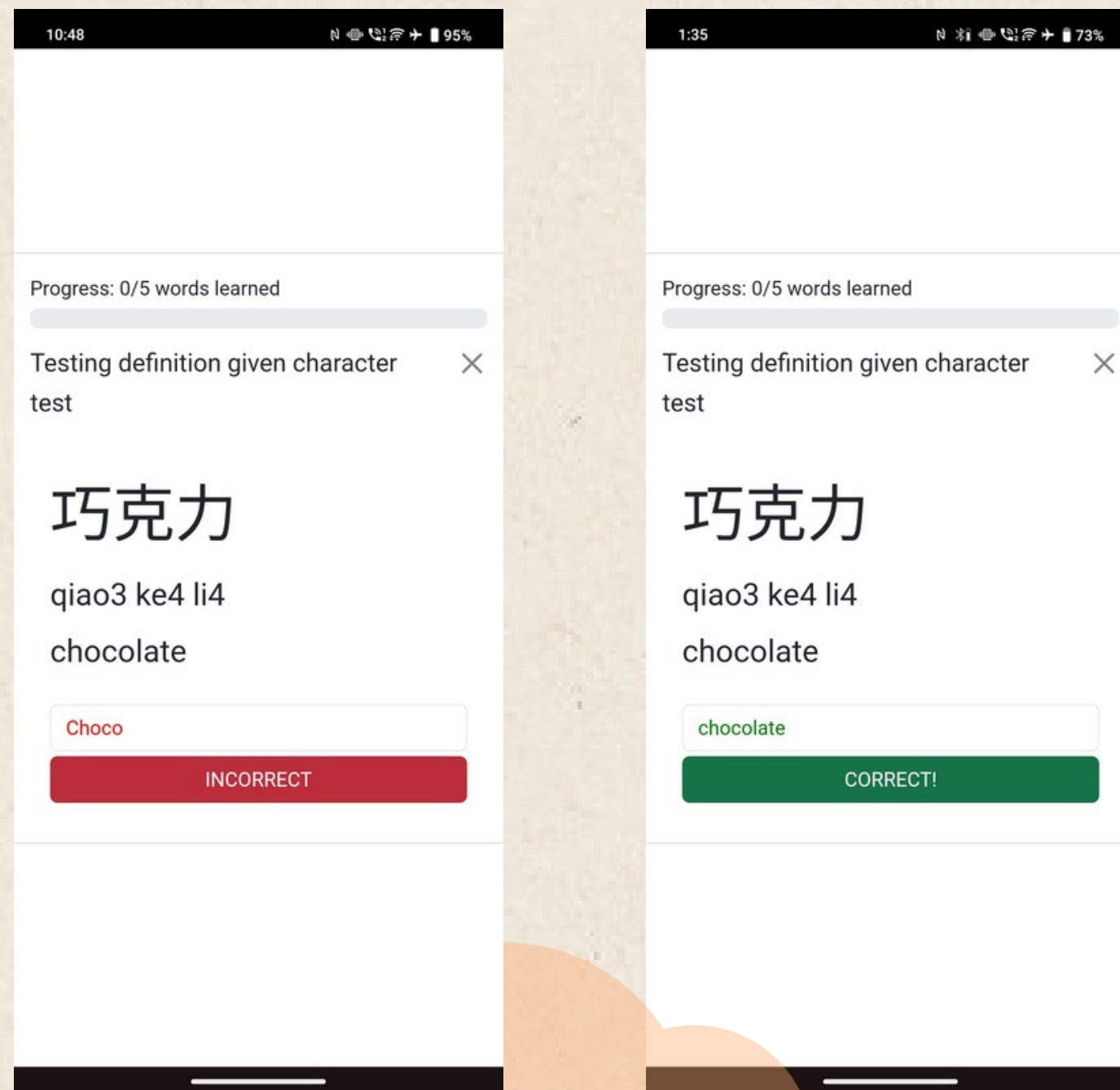
Problem:

In the testing processes, answer must exactly match (e.g., “Word” $\neq$ “word”; “word” $\neq$ “word ”), which feels unforgiving

Fix:

Normalize user input by trimming spaces and ignoring case sensitivity

“Next Word” Button



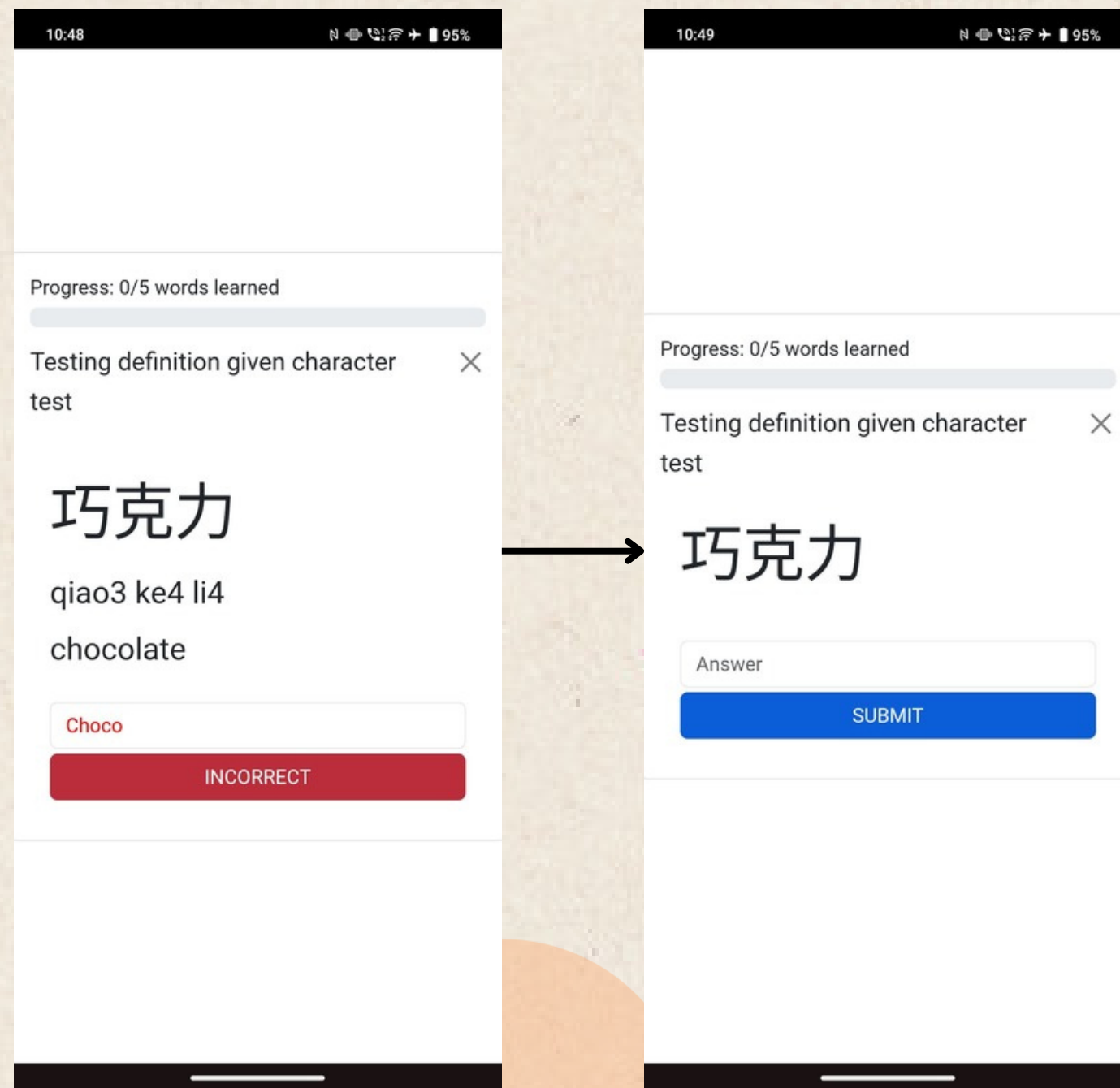
Problem:

There is no “Next Word” button on correct/incorrect feedback screen, unsure how to proceed after that

Fix:

Add a “Next Word” button under correct/incorrect feedback to clearly guide users forward

Same Word Reappear Immediately



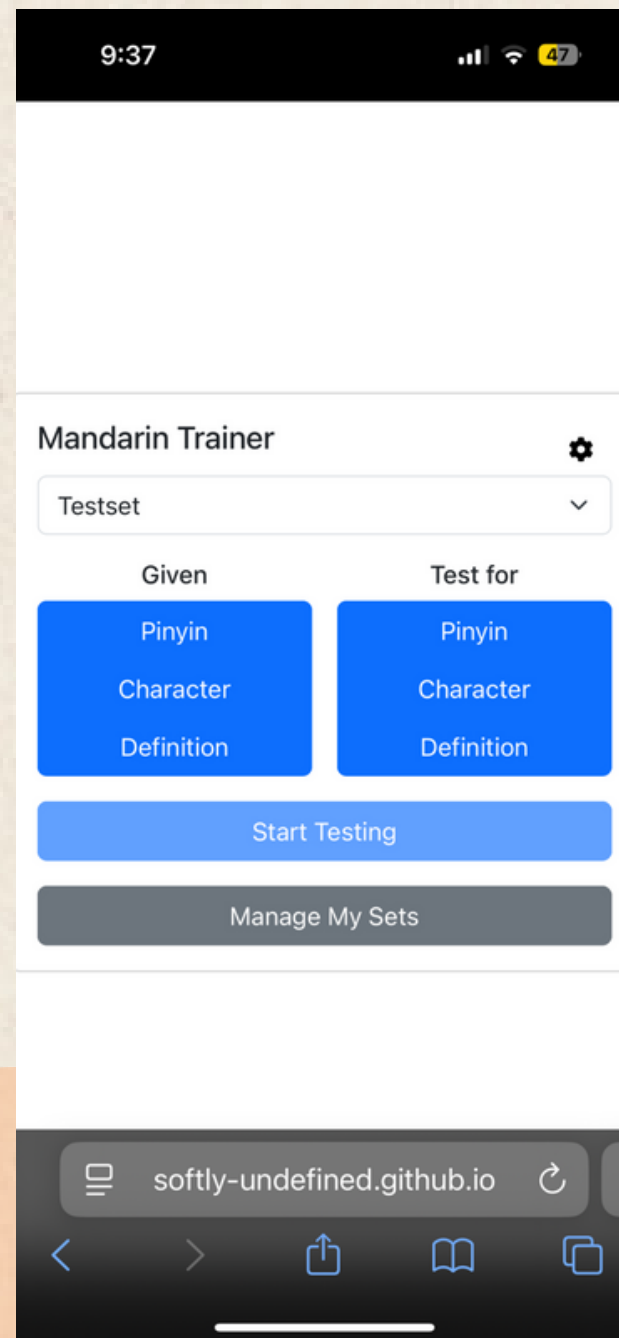
Problem:

The same incorrect word is shown again without any buffer, leading to frustration

Fix:

Ensure at least one or two other items appear before repeating a previously missed word

Buttons' Colors are Too Similar



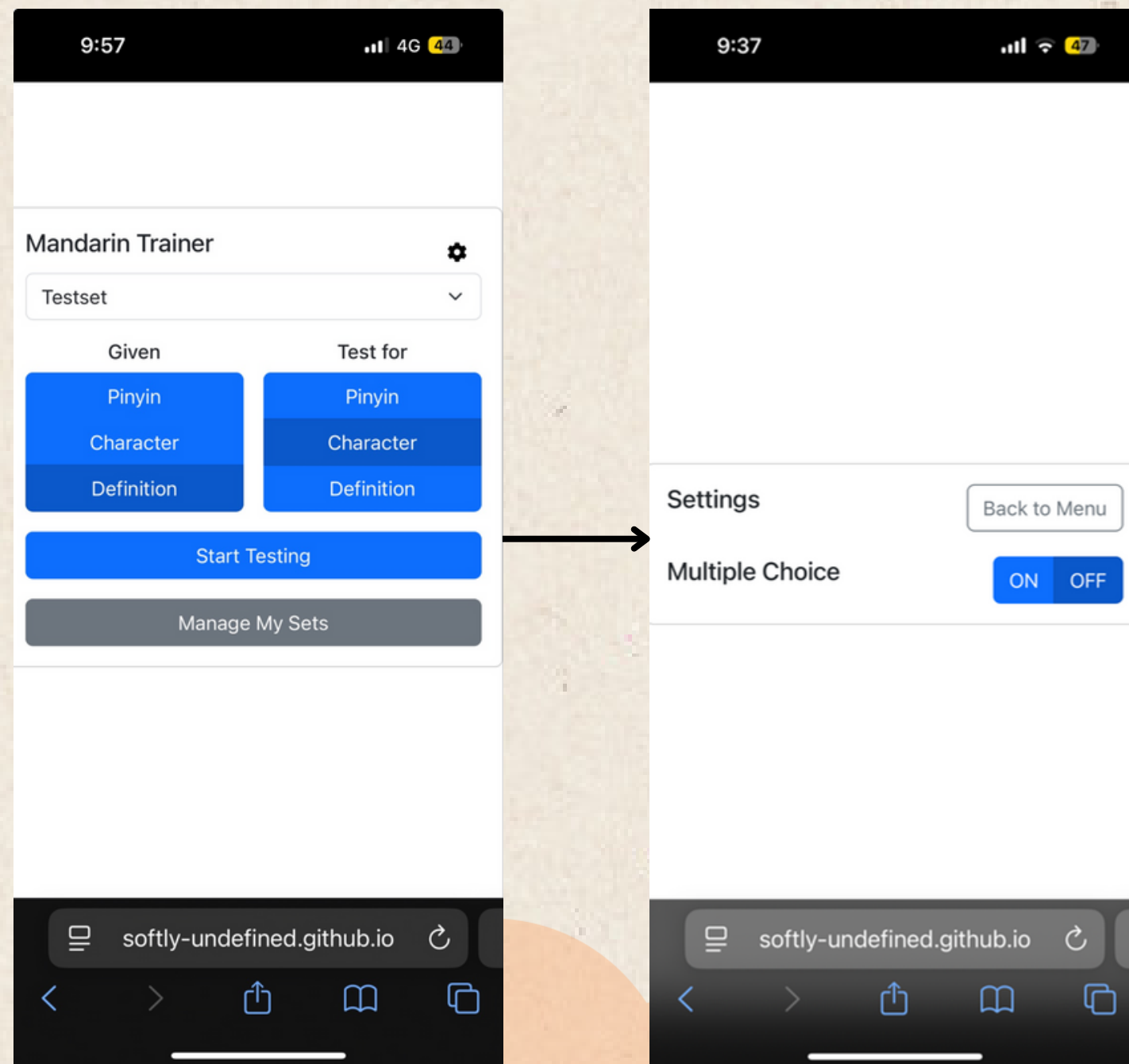
Problem:

The color of “Start Testing” and “Given/Test For” Buttons Look Too Similar

Fix:

Change “Start Testing” to another color

Multiple Choice Mode



Problem:

It's har for users to find how to change the setting to multiple choice

Fix:

Add "Multiple Choice" as a visible option directly on the home page or test selection screen

What We Learn

- A lot of problems could only be found through actually using the app.
- Some functions we think are easy to use; however, for first-time users, it's hard to approach them

The image features a central black rectangular area containing the text "Thank You" in a bold, orange, sans-serif font. This central area is framed by a border of white square tiles with black letters, scattered on a light-colored wooden surface. The tiles are arranged in a way that they appear to be part of a larger word or phrase, but they are not fully visible, only showing the letters on the tiles that are within the frame.

Thank You