

Medium-Fi Prototype and Testing

Mandarin Trainer!

Team 7

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Value Proposition and Solution

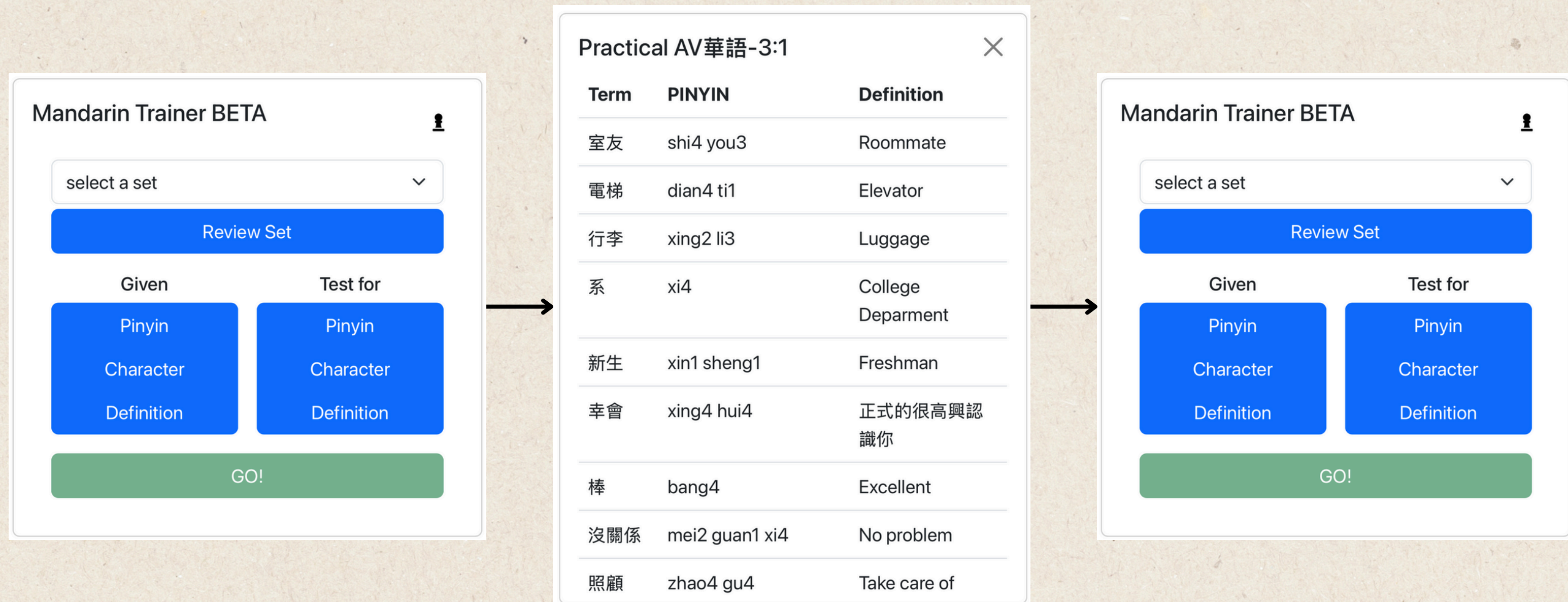
- Vocab learning platform that fits the complexity of Chinese language learning
- While a variety of vocab tools exist on the market today, nothing quite integrates the complexity of learning Chinese while keeping both customizability ease of use. We propose a tool which fills this void, providing beginner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

The image features a decorative border at the top and bottom consisting of white square tiles with black geometric patterns, set against a light-colored wooden background. The central area is a solid black rectangle containing the title text.

Task Flows

Simple Task

Select a vocab set, review the words contained within it, and return to the home screen



Moderate Task

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

Mandarin Trainer BETA

select a set

Review Set

Given	Test for
Pinyin	Pinyin
Character	Character
Definition	Definition

GO!

Mandarin Trainer BETA

Easy Word Set

Review Set

Given	Test for
Pinyin	Pinyin
Character	Character
Definition	Definition

GO!

Testing pinyin given character

Practical AV 華語-3:1

新生

Answer

SUBMIT

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.





Revised Design

Home Screen

Better 'set selection' (not a drop down)

Pros of New Design:

- Gives learning data to users
- Allows for search
- Allows for saved vocab sets section

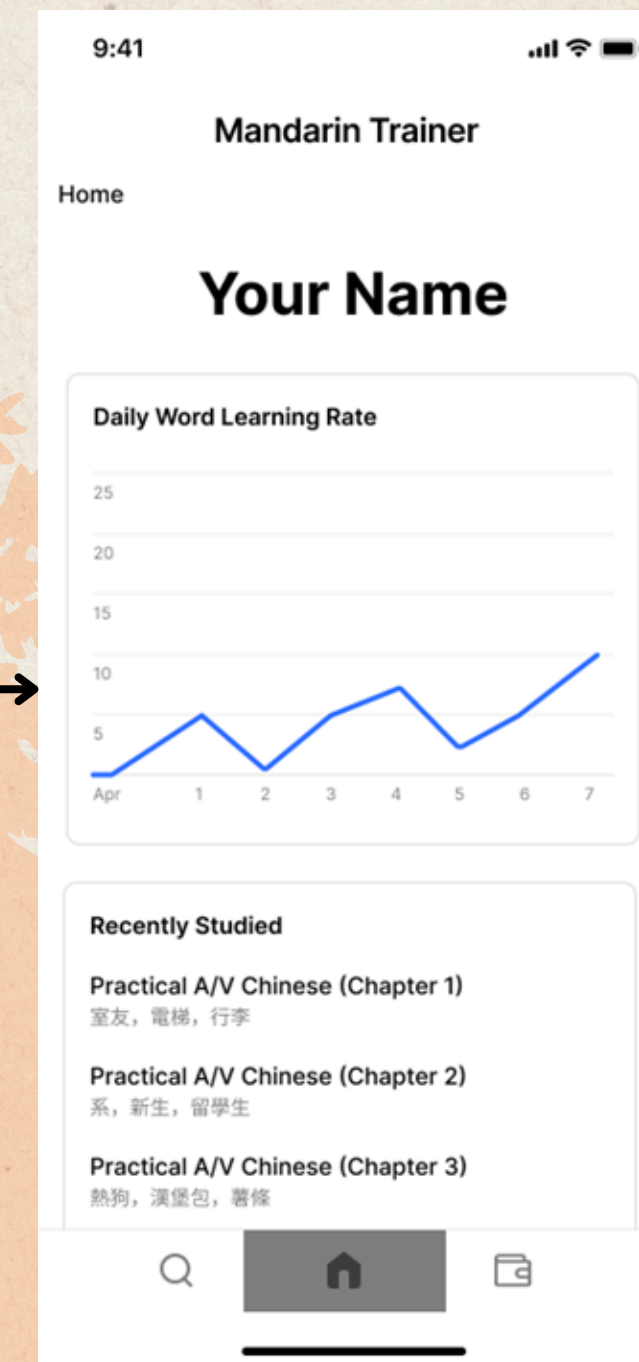
Mandarin Trainer BETA 

select a set 

Review Set

Given	Test for
Pinyin	Pinyin
Character	Character
Definition	Definition

GO!



Creating Set

Creating new sets (currently unimplemented)

Pros of New Design:

- Allows you to make sets
- Allows for deletion and adding of new words

The screenshot shows a mobile app interface for creating a new word set. At the top, the status bar displays the time 9:41, signal strength, and battery level. Below the status bar is a back arrow icon. The main heading is "Input Set Name" with a cursor at the end. Below this are three input fields: "character:", "PINYIN:", and "definition:". A black button labeled "Add Word" is positioned below the input fields. Below the button is a list of words, each with a delete icon (a circle with a minus sign) to its right. The list contains five entries: "意思" (yi4 si5) with "interest", "熱狗" (re4 gou3) with "hotdog", "熱狗" (re4 gou3) with "hotdog", "巧克力" (qiao3 ke4 li4) with "chocolate", and "熱狗" (re4 gou3) with "hotdog". At the bottom of the screen is a black button labeled "Done".

Character	Pinyin	English	Action
意思	yi4 si5	interest	Delete
熱狗	re4 gou3	hotdog	Delete
熱狗	re4 gou3	hotdog	Delete
巧克力	qiao3 ke4 li4	chocolate	Delete
熱狗	re4 gou3	hotdog	Delete

Testing Environment

Improving Testing Environment

Pros of New Design:

- Gives you progress as you learn
- Changes X to <- to return home
- Centered text slightly easier to understand

Testing pinyin given character

Practical AV 華語-3:1

新生

Answer

SUBMIT

9:41

<

Vocab Set Name

11/30 words learned

興趣

xing4 qu4

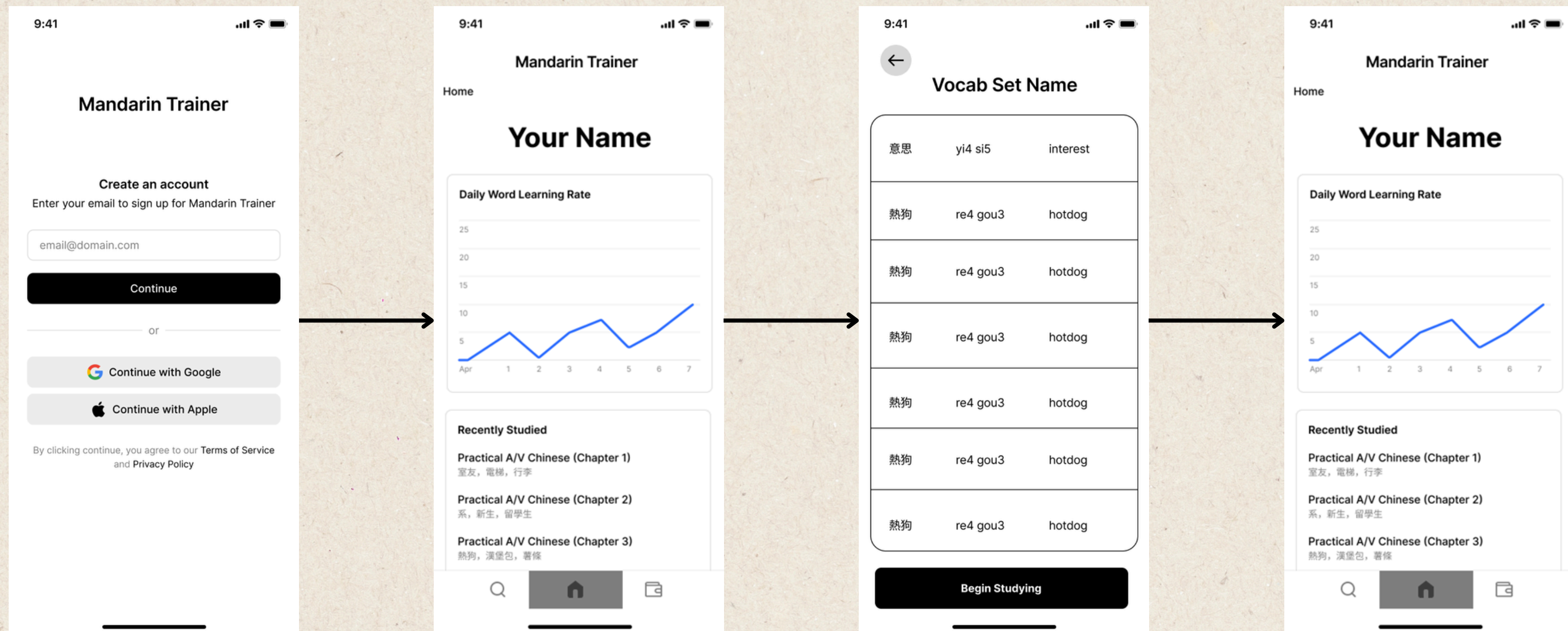
Interest

興趣

Correct! Next Word →

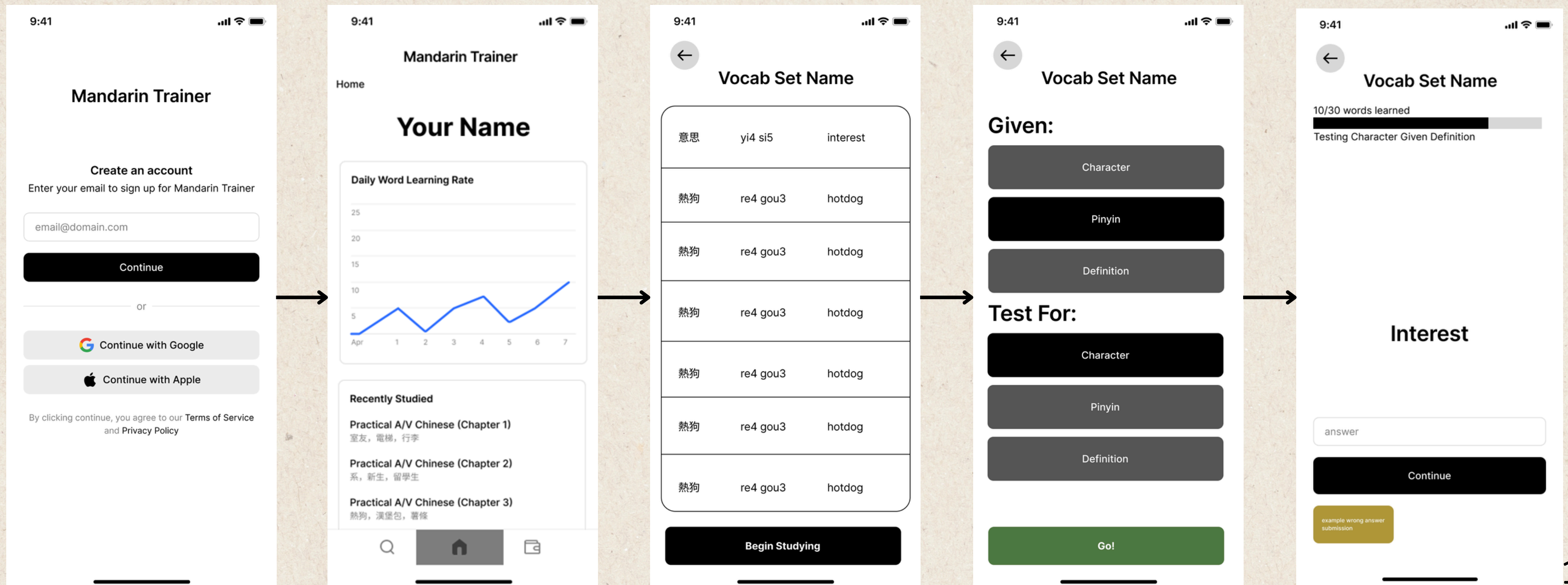
Revised Simple Task

Select a vocab set, review the words contained within it, and return to the home screen



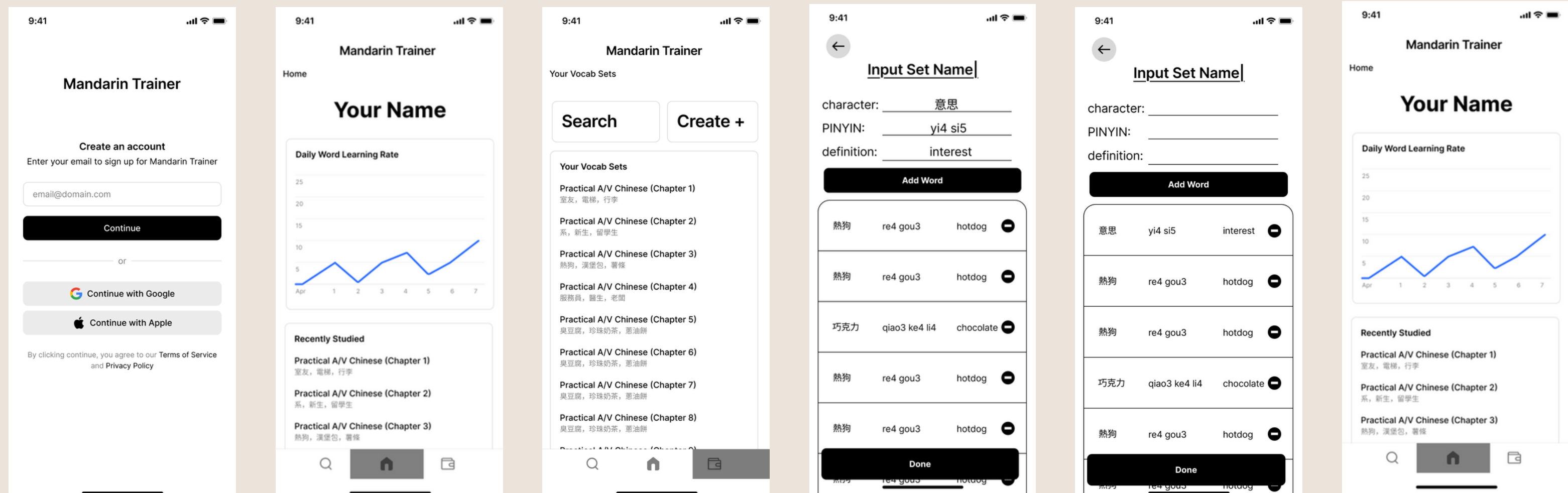
Revised Moderate Task

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



Revised Complex Task

Create a new vocab word set, add a word, save it, enter learning, complete learning.



Revised Complex Task

Create a new vocab word set, add a word, save it, enter learning, complete learning.

9:41

← Vocab Set Name

意思	yi4 si5	interest
熱狗	re4 gou3	hotdog
熱狗	re4 gou3	hotdog
熱狗	re4 gou3	hotdog
熱狗	re4 gou3	hotdog
熱狗	re4 gou3	hotdog
熱狗	re4 gou3	hotdog

Begin Studying

9:41

← Vocab Set Name

Given:

Character

Pinyin

Definition

Test For:

Character

Pinyin

Definition

Go!

9:41

← Vocab Set Name

10/30 words learned

Testing Character Given Definition

Interest

answer

Continue

example wrong answer submission

9:41

← Vocab Set Name

11/30 words learned

興趣

xing4 qu4

Interest

興趣

Correct! Next Word →



The image features a central black rectangular area containing the word "Summary" in a stylized orange font. This central area is framed by a border of white square tiles with black letters, set against a light-colored wooden background. The tiles are arranged in a slightly overlapping, scattered pattern, with some letters visible at the top and bottom edges of the black frame.

Summary

Prototype overview

Figma Link

Website Link

Overview of Tools-Figma:

- Making new screens and interactive buttons was really easy!
- Sometimes more niche formatting was really difficult leading to an only semi-polished final result

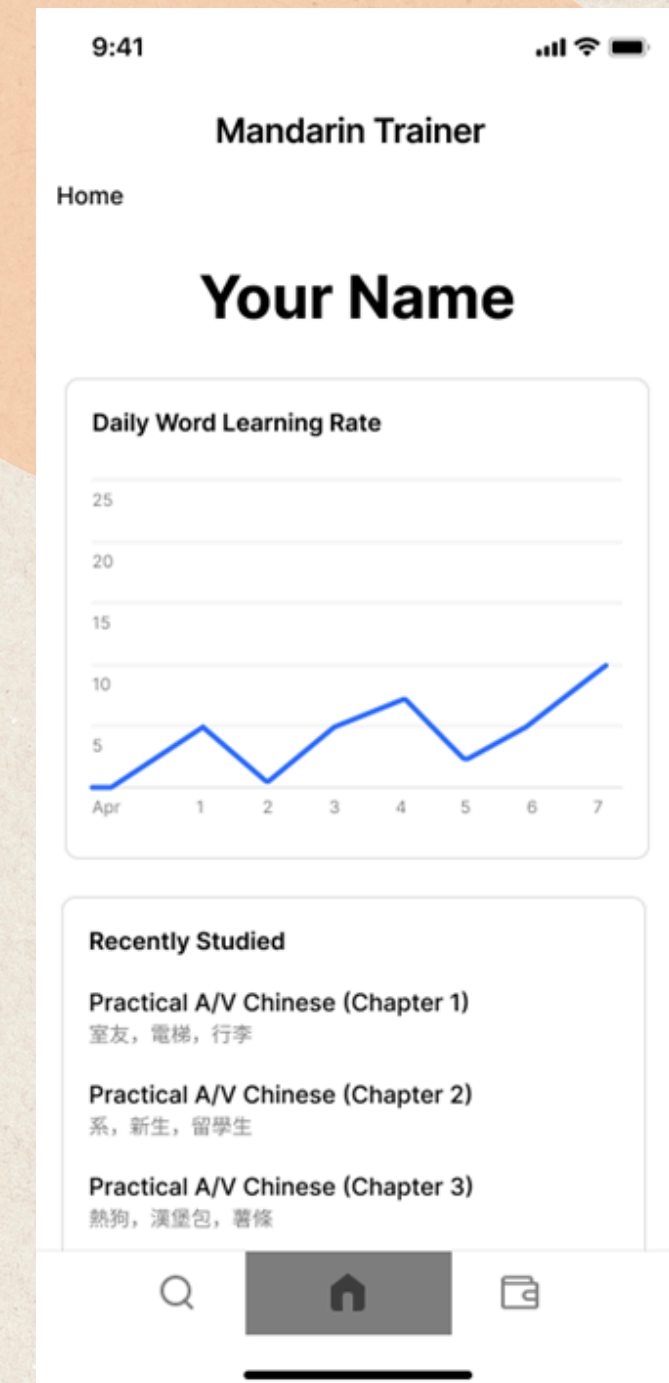
New Prototype

Pros:

- Establishes the framework for creating, saving, and searching for vocab sets
- Forces review before using a set (adds simplicity)

Cons:

- Left out multiple choice
- Not functional
- Too complex?



The image features a top-down view of several white dice with black pips, scattered on a light-colored wooden surface. The dice are arranged in a way that they appear to be rolling or have just rolled. The central part of the image is a solid black rectangle, which serves as a background for the text.

Thank You