

SpeakEasy

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Problem and Solution

Problem

Current language learning solutions are outside of regular activity and unhelpful when actually communicating in a contextually relevant environment.

Solution

A mobile application that integrates with the users activities to provide on the go and contextually sensitive instruction.

Interviewees?

Tourists From Singapore

A Linguistics Major

First Year Chinese Students

A Remote Student

Stanford Janitors

Why?

Contextual Immersion

Informal Learning

Formal Learning

Online Video Learning

One on One Learning

Workspaces



Findings?

Requirements

- Learning a language is a repetitive process
- It is as visual and contextual as it is oral and aural
- Immediate feedback and correction on pronunciation

Behaviors

- Disconnected from regular activity and unengaging
- Conversation is disjointed as users look for words
- Internet offers an accessible repository of vocabulary

Who Are They?

People who want to learn a language on the go



What, Where, How and Wants?

Current Tasks?

Memorize words/phrases
Participate in activities
Role play scenarios
Search for words online

Achieved Through?

Trial, error, and correction
Repetition
Routine discrete practice

Performed Where?

In a classroom
At home or in their bedroom
By their computer

Desired Tasks?

Smoothly converse anywhere
Access live conversation help
Grasp contextual information
Intuitive pronunciation

What Tools Do They Have?

Textbooks

Audio Recordings

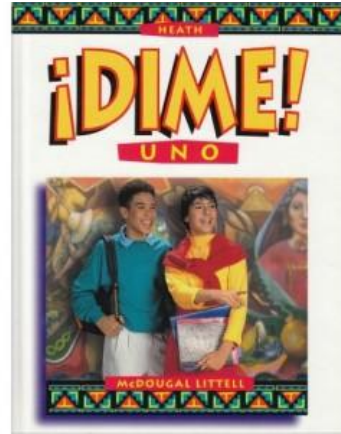
Websites

Dictionary

Translation Services

Wikipedia

Duolingo



Google
Translate

Break through language barriers.



WIKIPEDIA
The Free Encyclopedia



duolingo

Constraints

Length of class

Date of travel

Awkwardness

Places to learn

Representative Task 1

Intuitive Pronunciation

- Complex
- High Importance
- High Frequency

Representative Task 2

Context Sensitive Deduction

- Complex
- High Importance
- High Frequency

Representative Task 3

Active and Integrated Learning

- Simple
- Medium Importance
- Medium Frequency

Application Idea 1

High Level Goals

- Listens to your daily conversation
- Allows for immediate or delayed feedback
- Critiques pronunciation, word use, etc.
- Tracks progress

Application Idea 2

High Level Goals

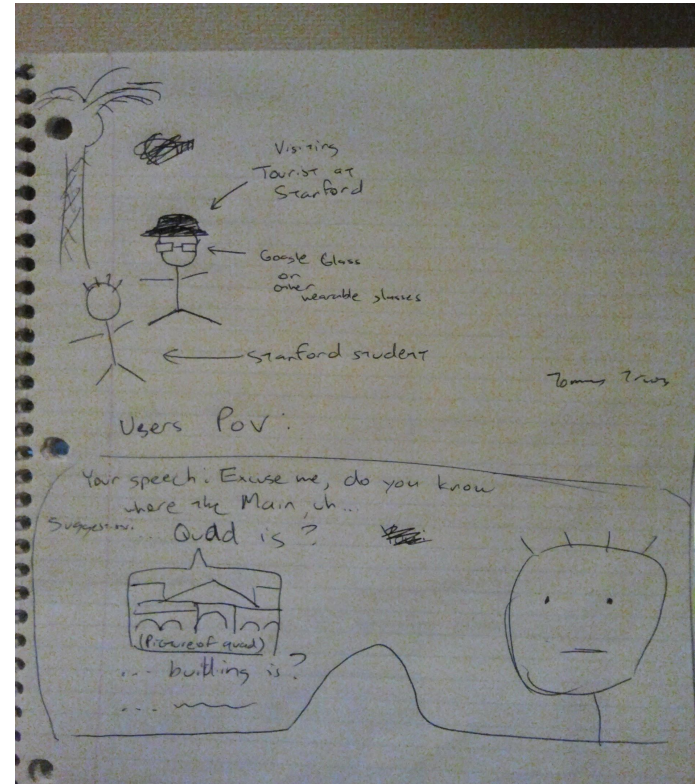
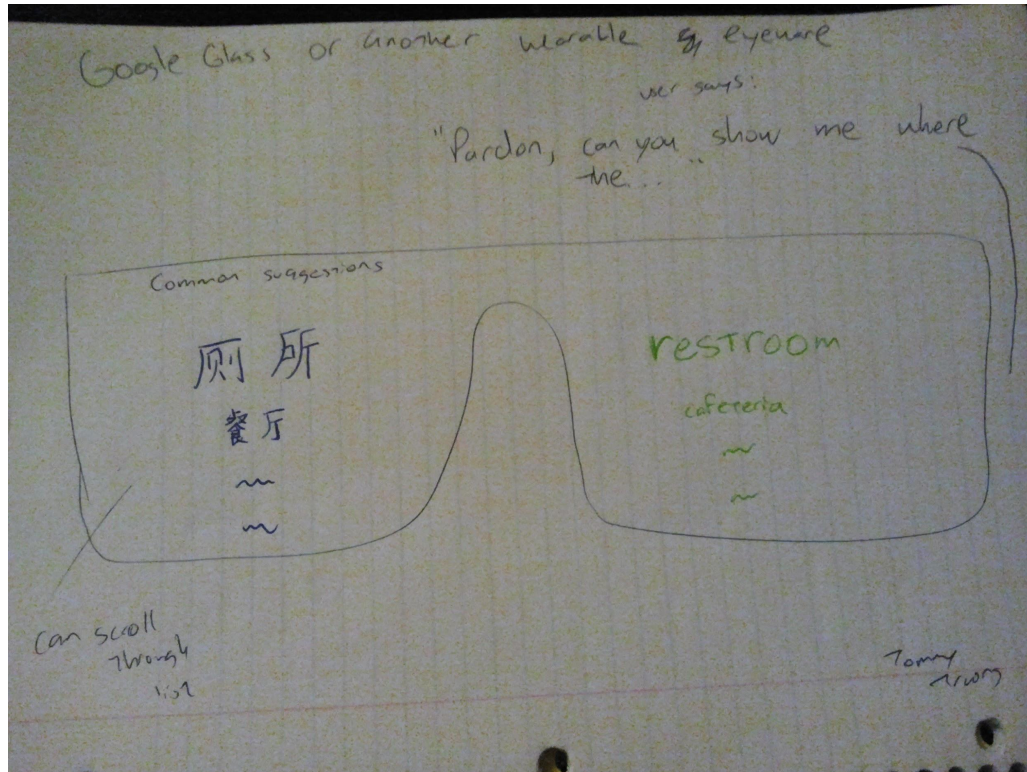
- Recognizes objects arounds you
- Provides immediate translation of objects
- Provides various forms of pronunciation

Application Idea 3

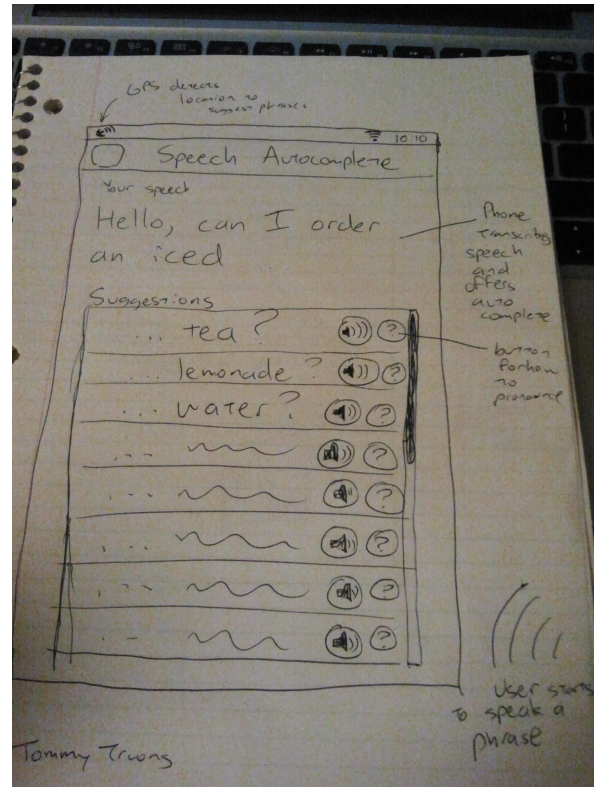
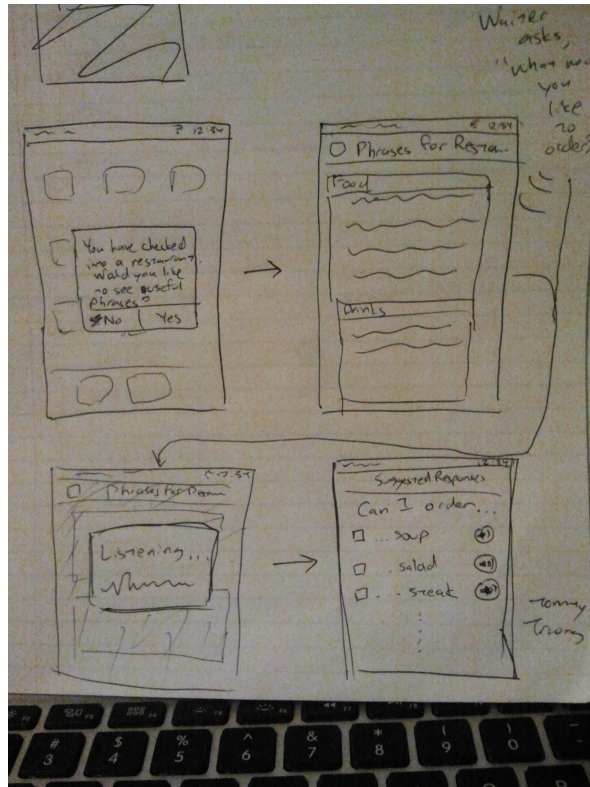
High Level Goals

- Recognizes your immediate context
- Provides autocomplete suggestions based on speech and context
- Provides pronunciation guidelines

Design Sketch 1



Design Sketch 2



Design Sketch 3

