

# Gurmukhi Word Test

## Overview and Schema

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Simran K Soin

# Conceptual Overview

- Drop-down menu of word lists that the user can be tested on
- Displays Gurmukhi word
- Provides three multiple choice options for the definition
- Flashes answer upon clicking "Submit"
- When user is completed, they can click "Done" and see a progress summary

# Intended Audience and Purpose

- The intended audience is the students of 10+ years at Khalsa Schools (Sunday Schools) in Gurudwaras (Sikh religious temples) such as the New England Sikh Study Circle.
- The teachers at many Gurudwaras often have difficulties finding testing applications that allow words to be written in Gurmukhi (ਗੁਰਮੁਖੀ) and this would provide a more convenient way to evaluate students.

# Program Overview

- 3 app routes:
  - Vocabulary List (for studying)
  - Definition Test (for testing)
  - Progress Summary
- Vocabulary list divided into different collections of 10 words each based on alphabetical order
  - User can select which set of words to be tested on

# Data Stored Per Word

- Word
  - Phonetic English transliteration (transliteration)
  - Quote using the word from Holy Scripture (quote\_ggs)
  - Actual Definition (definition)

# Data Schema

```
word_list: {  "word": "ਹਉਮੈ",  
               "transliteration" : "haumai",  
               "quote_ggs" : "ਹਉਮੈ ਝਗੜਾ ਪਾਇਓਨੁ ਝਗੜੈ ਜਗੁ ਮੁਇਆ ॥"  
               "definition": "ego/self-centered" }}
```

# User Data Stored

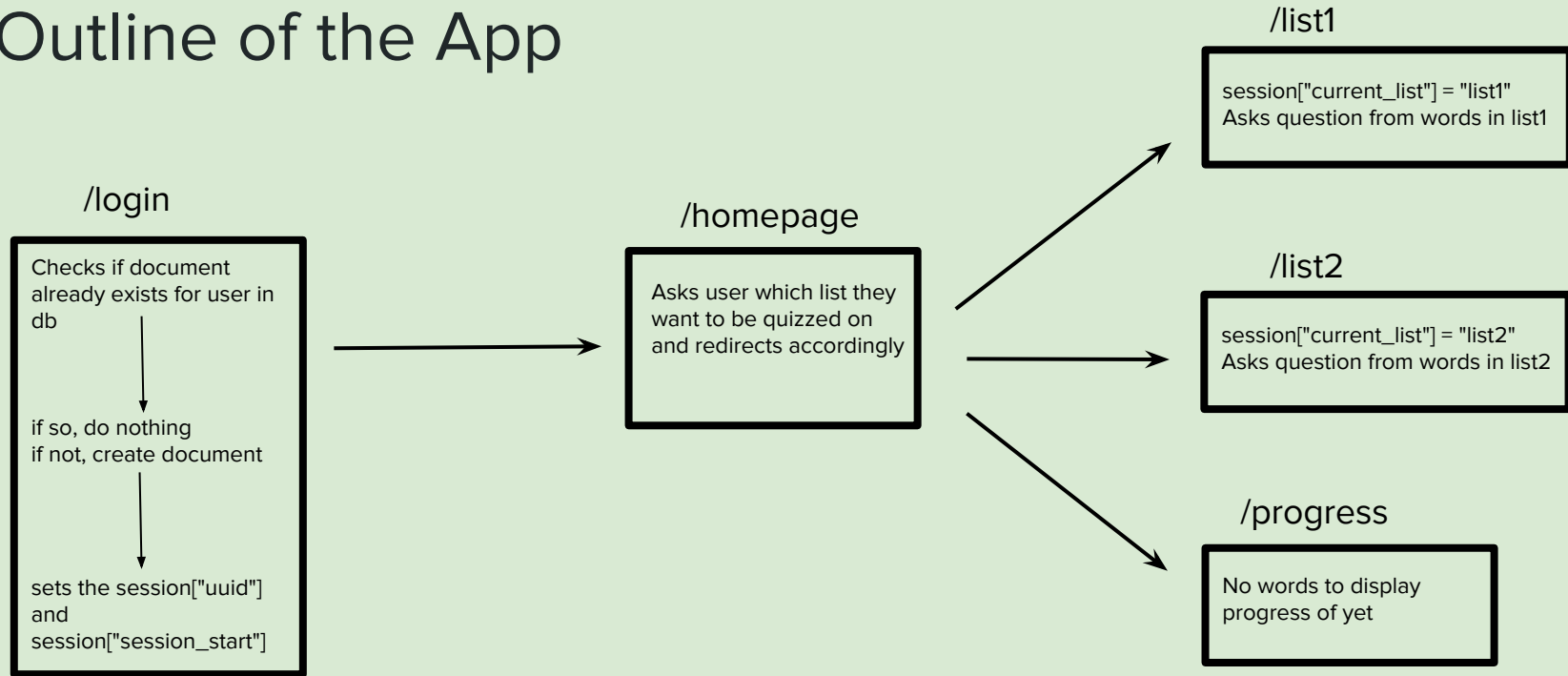
- There is a collection made per user
- Collection stores:
  - username/uuid
  - session start time
  - data for each list per word

# UserData Schema

```
{  "username/uuid" : "John Doe",  
  "session_start" : _____,  
  "list1":  
    {"word1":  
      {"num_correct": 7,  
       "num_attempts":9}  
    },  
  "list2": { }  
}
```



# Outline of the App



# Outline of the App (cont'd)

