Baby Words Tracker - WordBuds

Sprint Planning Document (Sprint 2)

Sprint Goal Backlog (Sprint 2)

February 24th - March 24, 2025

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Sprint 2 Planning

Sprint 2 Goal:

The goals of sprint 2 was to finish all sign in functionality, add multilingual functionality, and extend the user interface (for both parents and researchers). A stretch goal for the spring was to allow video upload. These goals meant we needed to implement Google Cloud functionality on top of Firebase to allow cloud function calls for custom claims and media storage.

Sprint 2 Deliverables:

1. Custom Claims for Auth
2. Refactor Database for Multilingual functionality
3. Allow Parents to Add a Child
4. Allow Parents to Share Child with another account
5. Generalize Top and Bottom Bar
6. Localization
7. Researcher Homepage
8. Allow Video Uploads

Sprint 2 Deliverables Detailed:

- **Custom Claims for Auth:**

    ○ **Assigned:** Marcelo

    ○ Assign a role to each user on sign in to limit what each user can do. Roles should include admin, researcher, and parent in order from most to least permissions.

- **Refactor Database for Multilingual Functionality.**

    ○ **Assigned:** Cloie

    ○ Add fields to the words, child, and parent documents for language selection. Words should have a map of definitions and parts of speech with both english and spanish options to handle words that exist in both languages. Child needs a list of languages that are being tracked. The parent needs to have a field

that represents their current language selection. These changes will also need to be reflected in the data models and services.

- **Allow Parents to Add a Child**

  - **Assigned:** Rob

  - Added to the newly made settings page a menu which lets parents create a child in our database. This also required managing permission of who is allowed to create children.

- **Allow Parents to Share Child with another account**

  - **Assigned:** Rob

  - Added a 'Google Drive-esque' feature to give another Parent user access to adding words and seeing statistics about a child. Also added to settings page.

- **Generalized Top and Bottom Bar**

  - **Assigned:** Rob, Gwyn

  - Create top and bottom bar widgets with a single parameter that indicates what page they are being built for. Top bar contains a button for the profile page, along with a new feature allowing parents to switch between children if they have multiple. Bottom bar acts as the primary app navigation tool, removing the need for a 'pop' button in the top left.

- **Localization**

  - **Assigned:** Cloie

  - Allow the parent to switch the language in the app. The language options should be English and Spanish. Initialize English for all users, but allow it to be changed at will. All text should be in the desired language and language selection should persist in the app after sign out.

- **Researcher Homepage**

  - **Assigned:** Gwyn

○ Designed a page where researchers can see overall usage data in a tabular format. Gave access to this page to accounts with the Researcher role, and made inaccessible to Parent users.

- **Allow Video Uploads**

  ○ **Assigned:** Cloie and Marcelo

  ○ Allow parents to upload video files to the Google Cloud bucket to track child speech. This needs to be done securely, so signed URLs should be used to limit access to storage while not making our api key/secret public in the app.