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Baby Words Tracker

Sprint 2

[Github Repo](#)
[Project Website](#)



Project Overview

Baby Words Tracker is a mobile app that allows parents to track their child's speech through text, audio, and video.

Simple data visualizations are available to parents, and all data input into the app is available to researchers from the UA's Literacy Education and Cognitive Science Lab

Backlog Comparison



Sprint 1

Focus on backend
structure and frontend
design
Simple development
Quick turnaround
Lots of learning



Sprint 2

Focus on developing user
functionality
Longer turnaround time
More failure points
More frontend-backend
integration

Backlog Snapshot

Tr	ID	Story	Estimated Hours	Priority (1-5)	Status	Person Assigned	Sprint Finished
	2.1	Connect authentication to database	5	5	Completed	Cloie, Marcelo	2
	2.10	Custom Claims for User Roles (and firebase functions)	5	4	Completed	Marcelo	2
	2.11	Optimize Existing Stats Page Queries	1	2	Completed	Rob	2
	2.12	Catch and Handle errors in firebase_repository	2	4	Completed	Marcelo	2
	2.13	Update authentication system to use user id instead of email	3	4	Completed	Marcelo	2
	2.16	Add More Statistics to Stats Page	1	1	In Progress	Rob	
	2.18	Update user model class to resynchronize if another synchron	2	3	Not Started	Marcelo	
	2.19	Update user synchronization to correctly handle	3	4	Not Started	Macrelo	
	2.110	Add roles to authService	2	4	Not Started	Marcelo	
	2.2	Setup Google Cloud Storage	2	4	Completed	Cloie	2
	2.21	Refactor word model to handle multiple languages	3	2	Completed	Cloie	2
	2.22	Add settings page	1	3	Completed	Rob, Gwyn, Cloie	2
	2.23	Allow parent to pick language to track	3	2	Completed	Cloie, Rob	2
	2.24	Add switch language setting	10	4	Completed	Cloie	2
	2.3	Allow video upload/stroage	10	5	In Progress	Cloie, Marcelo	
	2.4	Page for video streaming	20	4	Not Started	Cloie, Rob, Gwyn	
	2.5	Researcher home page	12	4	In Progress	Gwyn	
	2.6	Add feature to add new children and switch between children	5	5	Completed	Rob	2
	2.7	Add feature to add existing child to new parent	5	5	In Progress	Rob, Marcelo	2
	2.8	Multilingual Funtionality for Spellcheck	5	3	Completed	Cloie	2

Sprint Reflection

Auth and Permission
Enhancements

Multilingual
Functionality



Researcher Page

UX Refinements

Individual Contributions



Cloie

Multilingual
database/ spellcheck,
localization, start
video upload



Marcelo

Custom claims,
database-auth
synchronization,
cloud functions



Robert

Add child to parent
and share child, stat
query optimizations,
UI Refactors



Gwynevere

Researcher
frontend, UI
Updates

The background is a solid orange color. It features several abstract geometric shapes in shades of orange and yellow. In the top-left corner, there is a yellow shape with a black dot pattern. In the top-right corner, there is a yellow shape with white diagonal lines. In the bottom-left corner, there is a yellow shape with a white dot pattern. In the bottom-right corner, there is a yellow shape with a black dot pattern. The text "Live Demo!" is centered in the middle of the image in a bold, white, sans-serif font.

Live Demo!



THANKS!

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