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Gwynevere Deterding

# 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

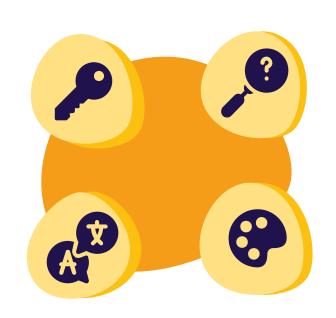
## **Backlog Snapshot**

Tr ID ∨	Story	✓ Estimated Hours ✓	Priority (1-5) 🗸	Status	<b>~</b>	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 ema	il 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 resyncchronize if another syncl	nron 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	en 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

# Live Demo!



CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**.