



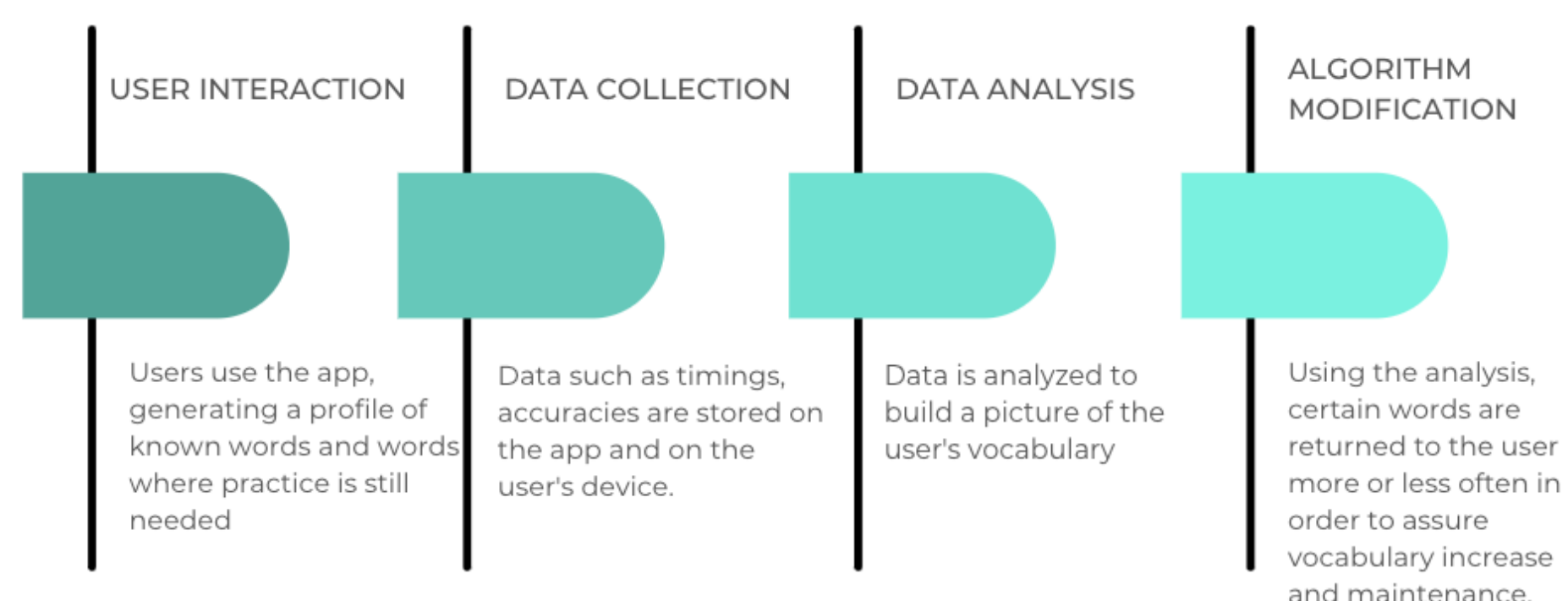
What is Vocabli?

- Vocabli is an app aimed to automatically teach children new words, all while facilitating conversation between the child and their parents to build crucial context around the words they learn.
- The app is created for parents and children and can be used in a medical space to provide data.
- Through a feedback algorithm, the app will adapt to the progress of the user, accelerating the pace when children are ahead and making sure that more difficult concepts are fully learned.
- The app will have a parent guided mode which will provide parents with questions and activities for their child, helping reinforce context and definitions of words.

Motivations

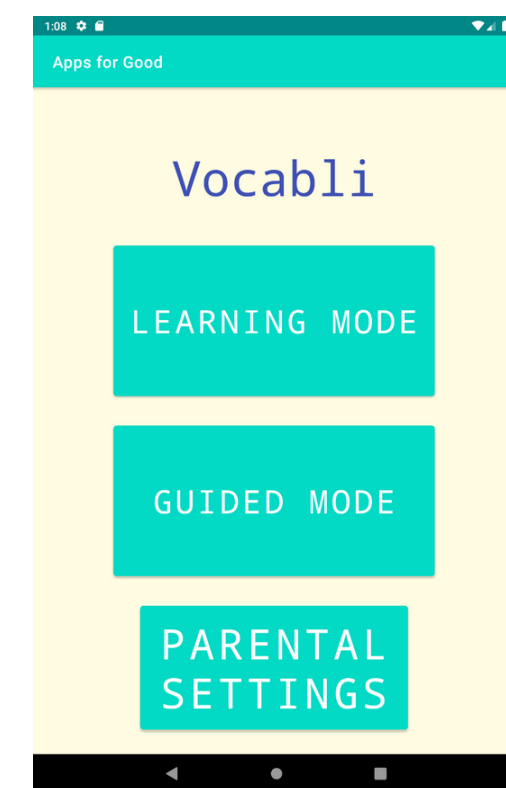
- To decrease the vocabulary gap with children between different socio-economic statuses.
- To facilitate the vocabulary building process for parents who may lack experience.
- To bring children who have a lower word count than others to a level playing field.

Flow Chart

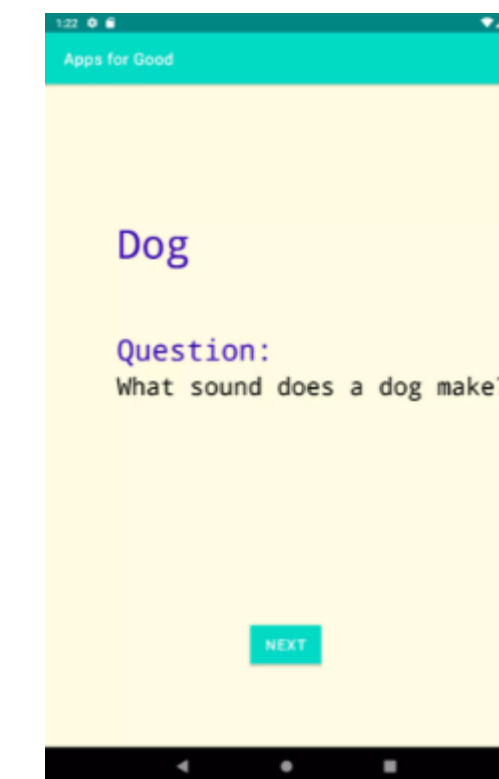


User Interface

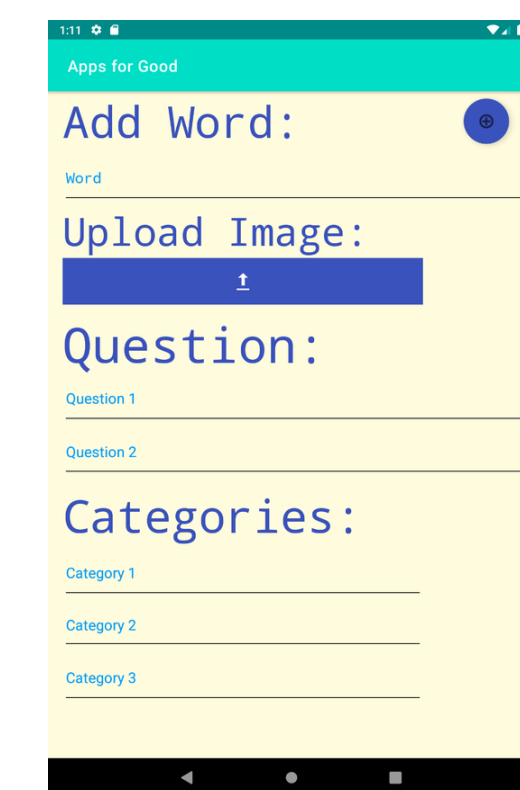
Home Page



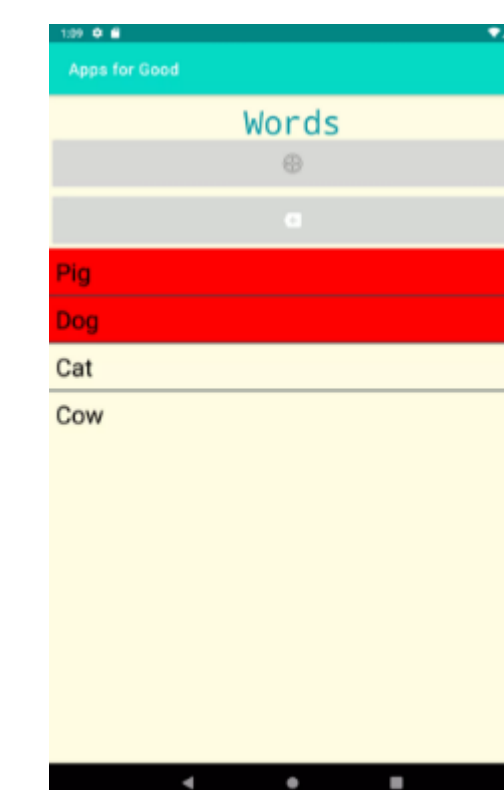
Guided Mode Question Page



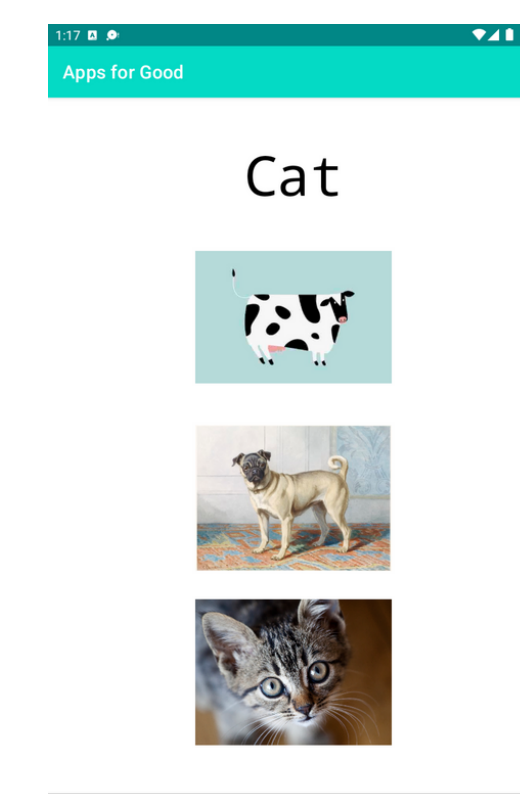
Custom Word Page



Custom Word List Page



Flashcard Practice Page



Flashcard Practice Page when Correct Answer is Selected



Competition Matrix

Criteria	Criterion Weight	Competitor 2: First Words 18 Months Plus	Competitor 2: LingoKids	Competitor 3: First Words	Vocabli
Parent Guidance	6	0	7	2	9
Flashcard Style-Learning	8	6	8	8	8
Adaptive Algorithm	5	0	7	7	8
Interactive Activities	7	3	8	7	7
	Non-Weighted AVG	2.25	7.50	6.00	8.00
	Weighted AVG	2.65	7.58	6.15	7.96

Services and Algorithms

Camera and File Access



Data Storage and File System

Text to Speech



Word Selection Algorithm

Future Extensions

- IOS Support
- Personalized activities and questions based on location and seasons
- Cloud storage
- Adding another drag and drop method of learning instead of flashcard/quiz-style questions.
- User progression system for parental monitoring.