

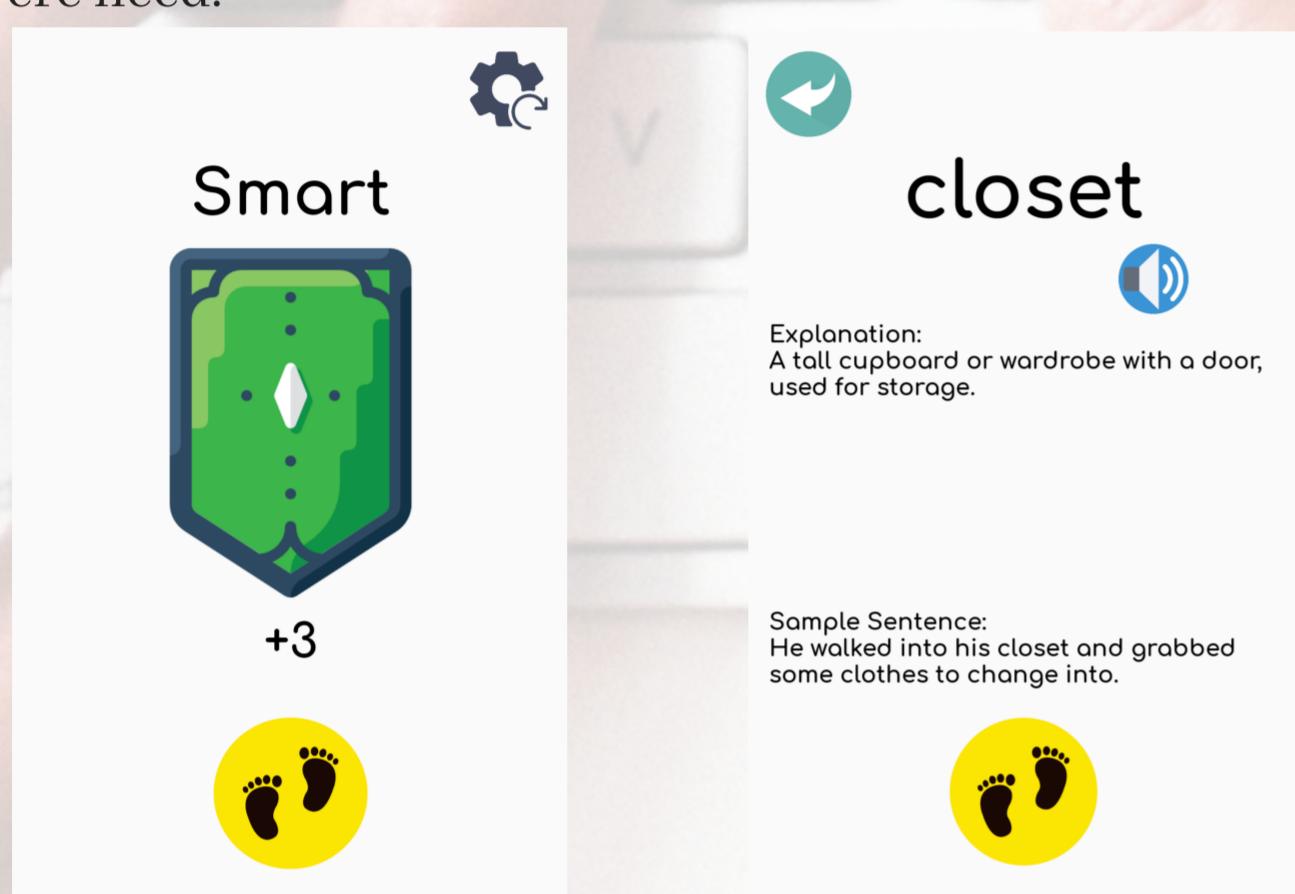


English GO

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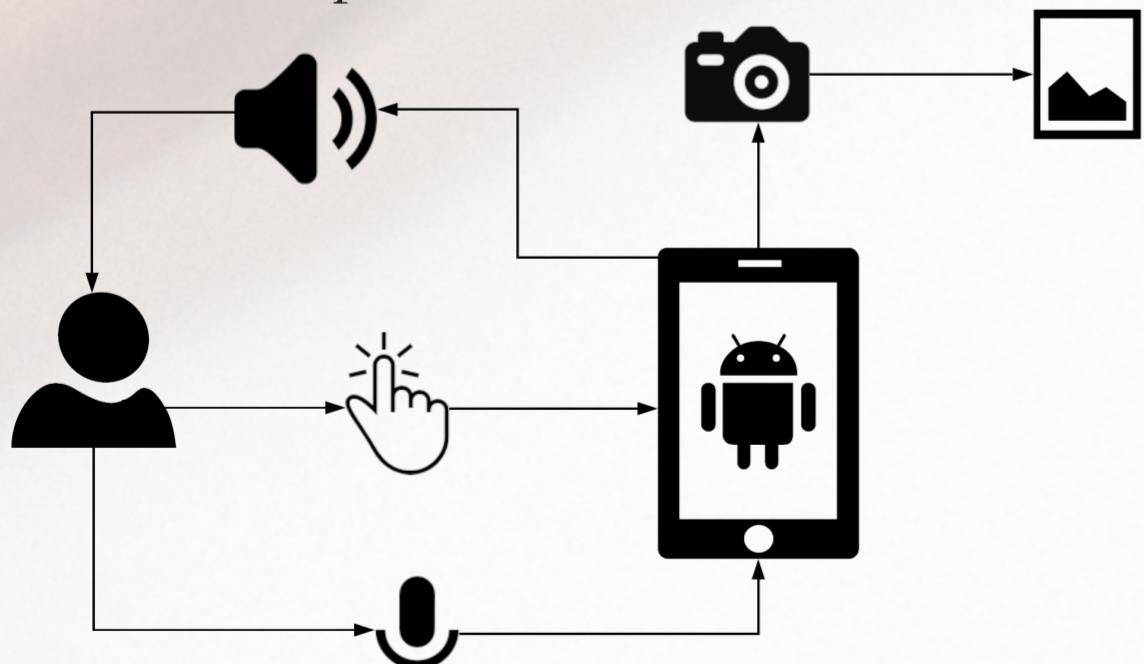
Introduction

Nowadays, both parents and teachers are struggling with finding a better and more efficient way to instill their children with English so that they can have a thorough preparation for their future career. However, time is a very limited resource in this modern reality; as a result, there is a need of an ultimate approach that not only can minimize the adults' involvement but also capable of fulfilling their severe need.



Hardware

- Implemented the function to process images and extract contents which are then compared with the keyword.
- The application was integrated with Android libraries supporting its abilities of recording pronunciation as well as giving the pronunciation of the keyword.
- Finally, all functions were integrated to make up the fully-functional final product.



Discussion and conclusion

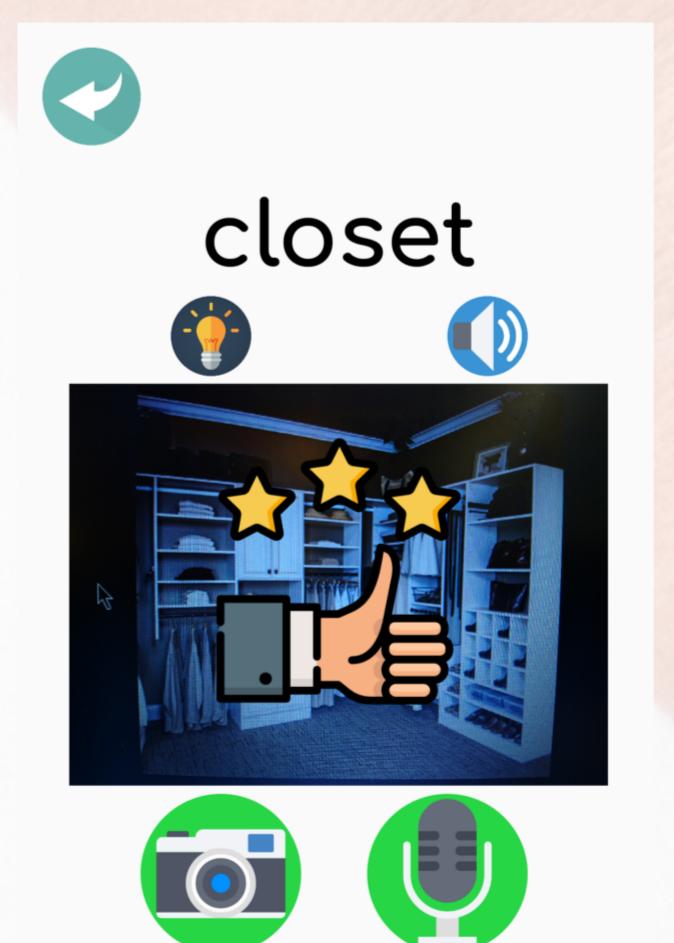
- The demand for children to learn English as a young age is higher than ever. However, the traditional English learning method for children involving static contents in books can quickly become tedious for kids.
- English GO encourages its users to learn English through interaction with the real world. The app also comes at a cheap cost and requires almost no assistance from the parents.

Objective

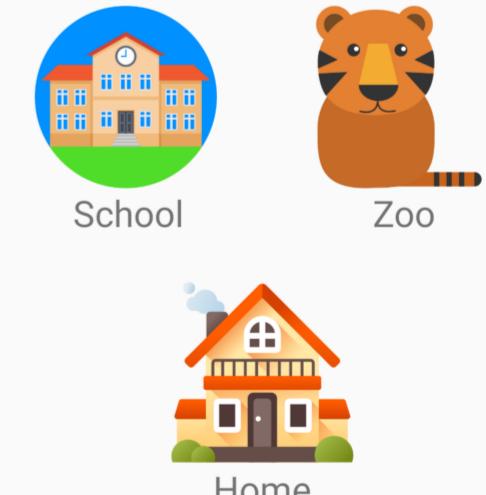
- User's listening, speaking, reading and writing skills are.
- Use Google Cloud Vision API to check the user's image to detect its content.
- Use Android's Speech-to-Text to recognize user's pronunciation.
- Provide sample pronunciation by applying Android's Text-to-Speech.

Methodology

- The user is given a word and he/she can choose to see its hint or listen to its sample pronunciation.
- The user needs to take a photo and pronounce the word correctly in order to continue. If his/her photo or pronunciation is incorrect, the user can re-do it again as many times as they want to get the tasks done.
- When both the pronunciation and photo are correct, the application will give the user the explanation of the word and a sample sentence in which it is used.
- User's point is recorded and his/her rank is decided accordingly



Topic



Acknowledgment

We would like to express our most sincere thankfulness towards Ms. Anna Filipe for being the supervisor for our project.