

## StudyPal

As part of a training course, we developed an Android app called StudyPal, which allows users to create and study flashcards. The app was developed using React Native in a small group of two people.

### Initial Situation

In the context of the 335 training course, we were required to develop an Android app using React Native in a small group (two people). The first days of the course were dedicated to learning React Native, during which we completed small tasks to get familiar with the framework. Toward the end of the course, we were tasked with developing our own app within two days. Before starting the development, each of us created a mockup, and we then selected the better one to use as a basis for our app development.

### Goal

The goal was to program a React Native app based on the given criteria. As a group, we decided to develop an app that allows users to create and study flashcards. The cards would be stored in different sets, such as English vocabulary. In the learning mode, users would be able to flip the cards to study and then indicate whether they answered correctly or incorrectly, with the score displayed at the bottom of the screen. We named our app StudyPal.

### Implementation

Initially, we faced some challenges in dividing tasks effectively, but once we got the hang of it, we were

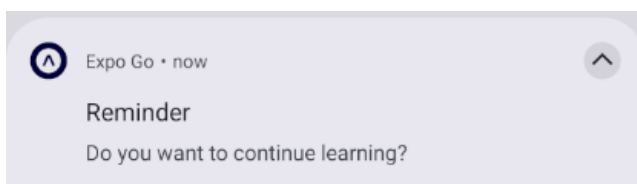
able to implement many features. I was responsible for several aspects, including the database, creating cards and sets, and the delete functions. The learning mode was one of my most successful implementations. I also added a supplementary feature that allows users to study not only with flashcards but also in a Q&A (Question and Answer) mode, where they have to type in the answer. Additionally, we implemented a feature that lets users mark sentences as favorites, so they appear at the top of the home screen. Another useful feature we added was learning notifications.

### Result

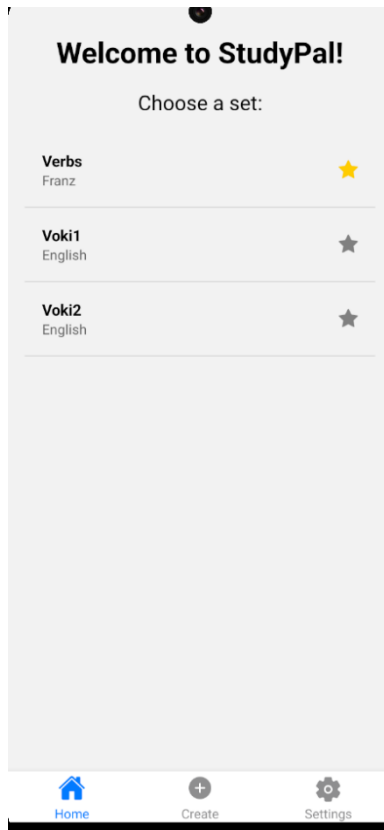
I am very satisfied with the result, as we were able to implement many additional features. I believe the app is genuinely useful for studying and could be effectively used in everyday life.

### Insights

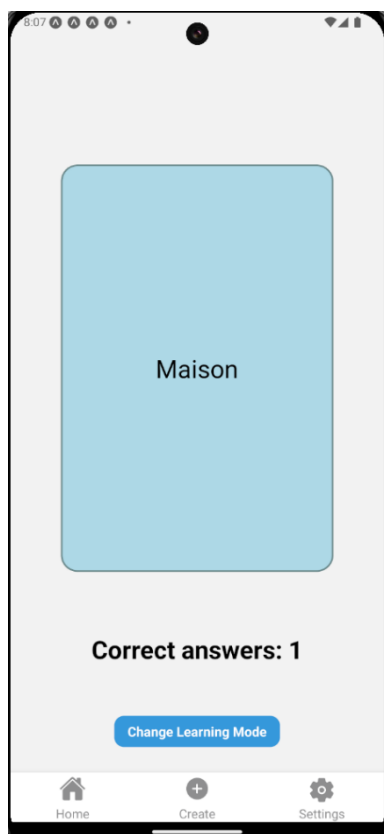
Through this project, I gained many valuable insights, especially in React Native and JavaScript. I feel confident in my ability to develop quality apps using React Native and have also improved my teamwork skills.



*Screenshot notification*



Screenshot home



Screenshot learn mode