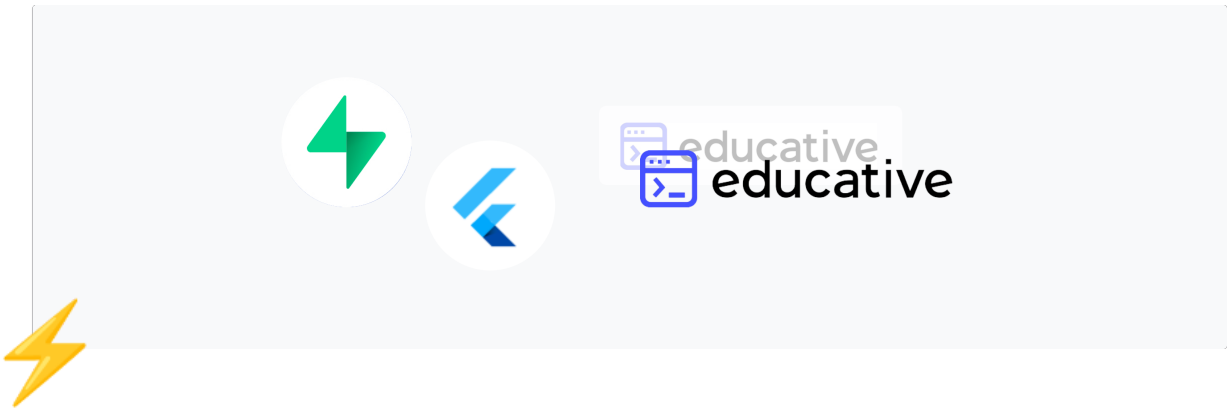


#1 Introduction

Overview

This tutorial aims to guide you through the process of building an educative.io clone using Flutter and Supabase. We will cover the basic concepts of Flutter and Supabase and how to integrate them to create a fully functional education platform identical to educative.io.

Throughout this tutorial, we will provide step-by-step instructions to help you develop your own education platform. We will begin by setting up the development environment, installing the necessary tools, and creating a new Flutter project. Then we will dive into creating the UI components and integrating Supabase to store and retrieve data.

By the end of this tutorial, you will have a fully working education platform built with Flutter and Supabase. You will gain a better understanding of these technologies and how to use them together to create powerful applications.

Let's get started!

Features to be created

- Home page (displaying a list of courses)
- Course Detail page (displaying detail of course)
- Lessons page (displaying lesson content)

Demo app

The demo app that we will build in this tutorial will be a clone of educative.io, which is an online education platform that provides interactive courses on various programming languages and technologies. The app will have a home page displaying a list of courses, a course detail page displaying the details of a particular course, and a lessons page displaying the lesson content for a specific course.

https://www.loom.com/embed/cf976c5010e841ab98ac94faedd8cae6

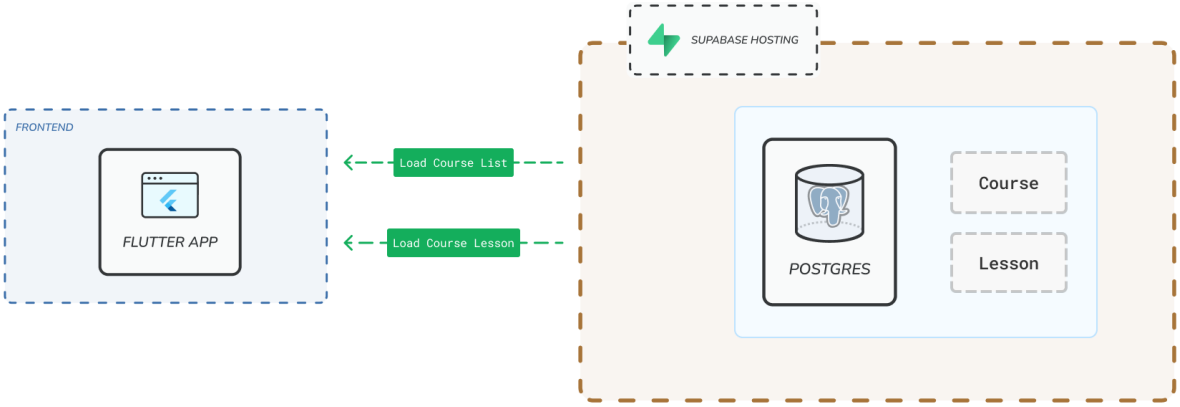
The technologies used

We will be using Flutter, a cross-platform framework for building high-performance, high-fidelity, apps for iOS, Android, web, and desktop, and Supabase, an open-source Firebase alternative that provides a suite of tools for building scalable web and mobile applications. Flutter is an excellent choice for building apps quickly, while Supabase is a great choice for building scalable backend services.

Schema of the Architecture of the Application

The architecture of the application will consist of three main components: the frontend, which will be built using Flutter and will run on iOS, Android, web, and desktop; the database, which Supabase will host and will store all the necessary data for our application; and the Flutter Supabase SDK will be used to integrate the frontend with the Supabase Database.

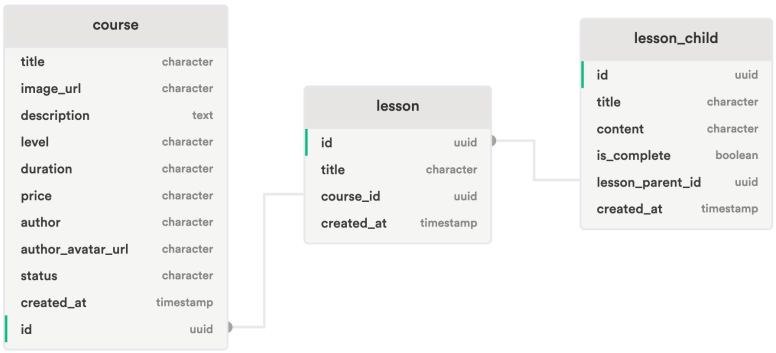
Here is a diagram that illustrates the architecture of our application:



Architecture Schema

Database schema

The database schema will consist of two tables: courses, and lessons. The course table will store information about each course, such as the course name, description, and price. The lessons table will store information about each lesson of a course, such as a lesson name, description, and content. These tables will be hosted on Supabase and accessed using the Flutter Supabase SDK to provide data to the front end of our application.



Database Schema

Conclusion

In conclusion, this tutorial aims to provide a comprehensive guide to building an education platform using Flutter and Supabase. By the end of this tutorial, you will have gained valuable knowledge about these technologies and how to use them together to create powerful applications. We hope you enjoy following along and building your own educative.io clone!