

## Project: Blog Application with Supabase and Next.js

In this hands on, you'll build a simple blog application using **Next.js** and **Supabase**. The application will allow users to create, view all, and view individual blog posts. Each blog post will include a title, body, cover picture, and author. The Supabase database will store the blog details, and Supabase storage will handle the file storage for the cover pictures.

### Part 1: Supabase Database Integration (Blog Data)

- Set Up Supabase Database:
  - Create a table in Supabase called blogs with the following columns: id, title, body, author, cover\_url, created\_at
- Next.js Features:
  - Blog Creation Page:
    - Build a page that allows users to create a new blog.
    - This form should include fields for title, body, cover picture and author.
  - On form submission:
    - Upload the cover picture to Supabase storage.
    - Save the title, body, cover image URL (retrieved from storage), and author in the blogs table.
  - Show All Blogs Page:
    - Build a page that lists all blog posts, showing the title, a preview of the body (first 100 characters), the cover picture, and the author.
    - Fetch this data from the blogs table in Supabase.
  - Show Single Blog Page:
    - Build a dynamic page to display a single blog post when clicking on a specific blog from the list.
    - Fetch the blog data (title, body, cover picture, and author) based on the blog ID from the URL.
    - Display the full blog content with its cover picture and author.

## **Part 2:** Supabase Storage Integration (File Upload)

- Cover Picture Storage:
  - For the blog creation page, when a user uploads a cover picture, use Supabase storage to store the image.
  - After uploading, retrieve the image's URL and save it in the Supabase blogs table as the cover\_url.
- File Storage:
  - Ensure that each uploaded cover picture is displayed on both the blog listing page and the individual blog page by fetching the URL from Supabase storage.