

Flutter & SQLite: CRUD Example

SQLite is a fast relational database that can be used to store data offline for mobile applications.

CRUD means create, read, update, and delete, the four essential operations of persistent storage.

Working

- The app has a floating button that can be used to show a bottom sheet.
- That bottom sheet contains 2 text fields corresponding to “title” and “description”. These text fields are used to create a new “item” or update an existing “item”.
- The saved “items” are fetched from the SQLite database and displayed with a list view.
- There are an update button and a delete button associated with each “item”.

Database Structure

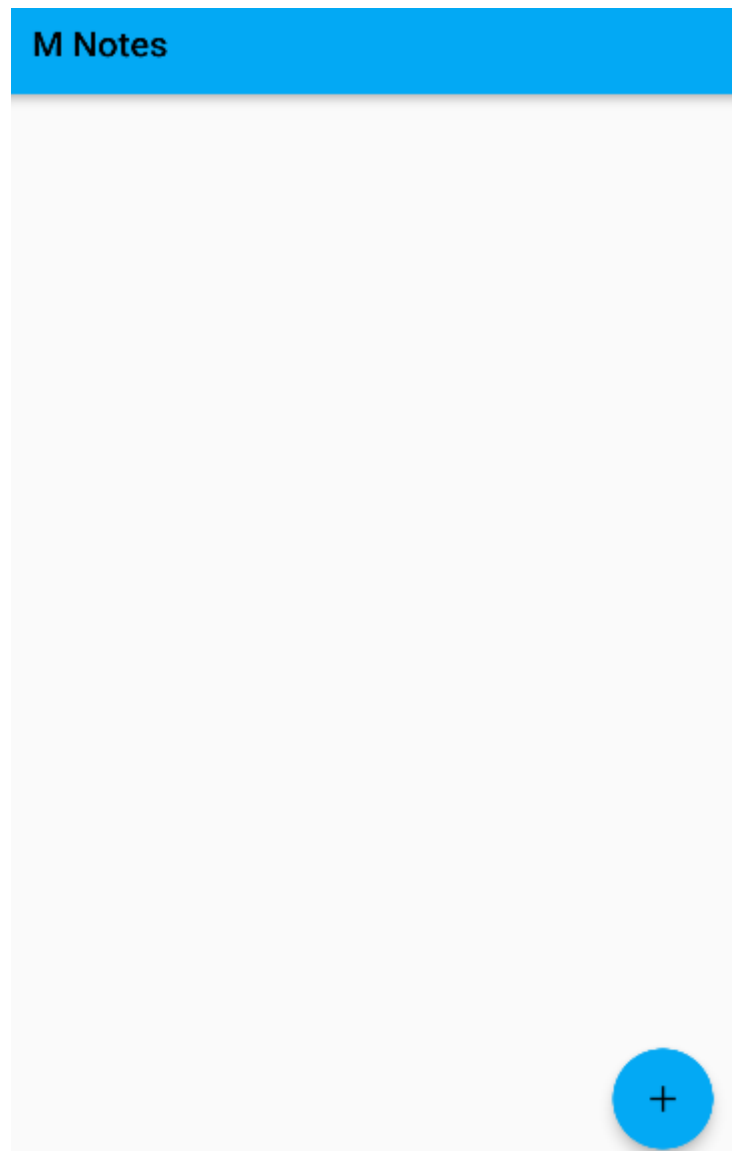
We are going to create an SQLite database called **mnotes.db**. It has only a single table named **items**. Below is the structure of the table:

Column	Type	Description
id	INTEGER	The id of an activity
title	TEXT	The name of an activity
description	TEXT	The detail of an activity

createdAt	TIMESTAMP	The time that the item was created. It will be automatically added by SQLite
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Screenshots

Empty List View



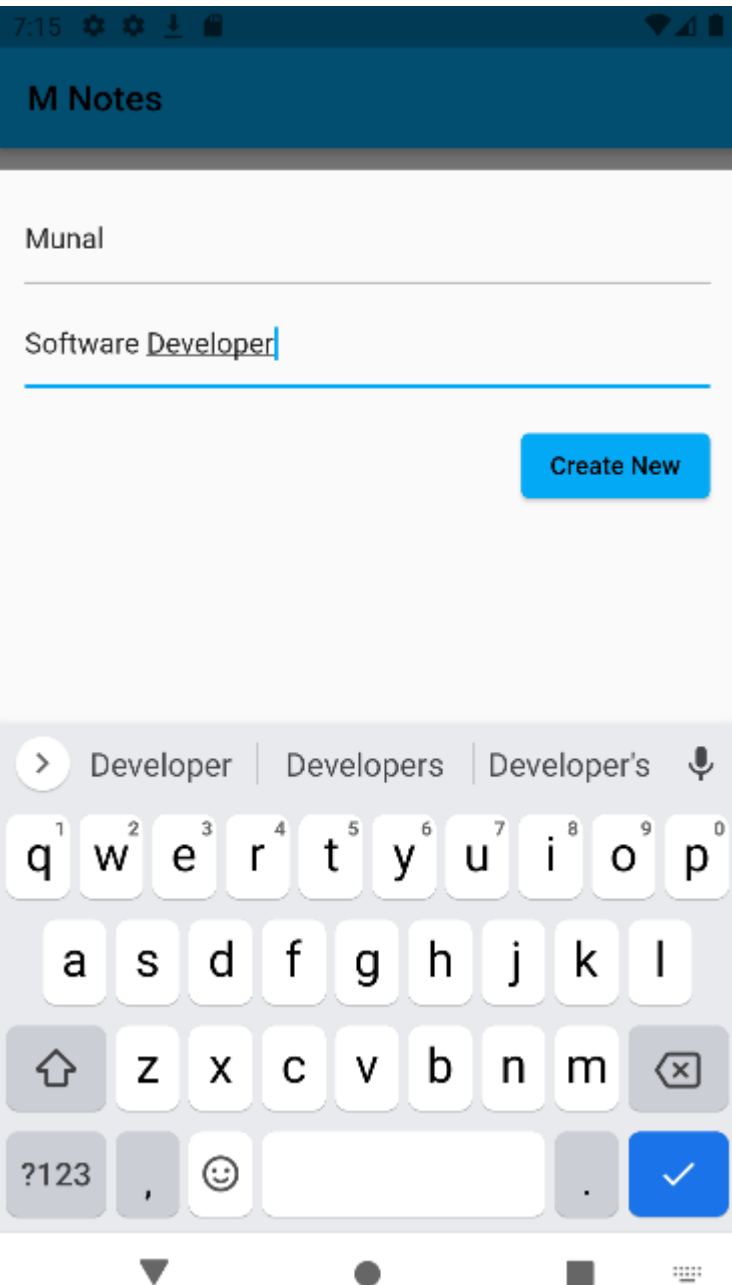
Create New Note

M Notes

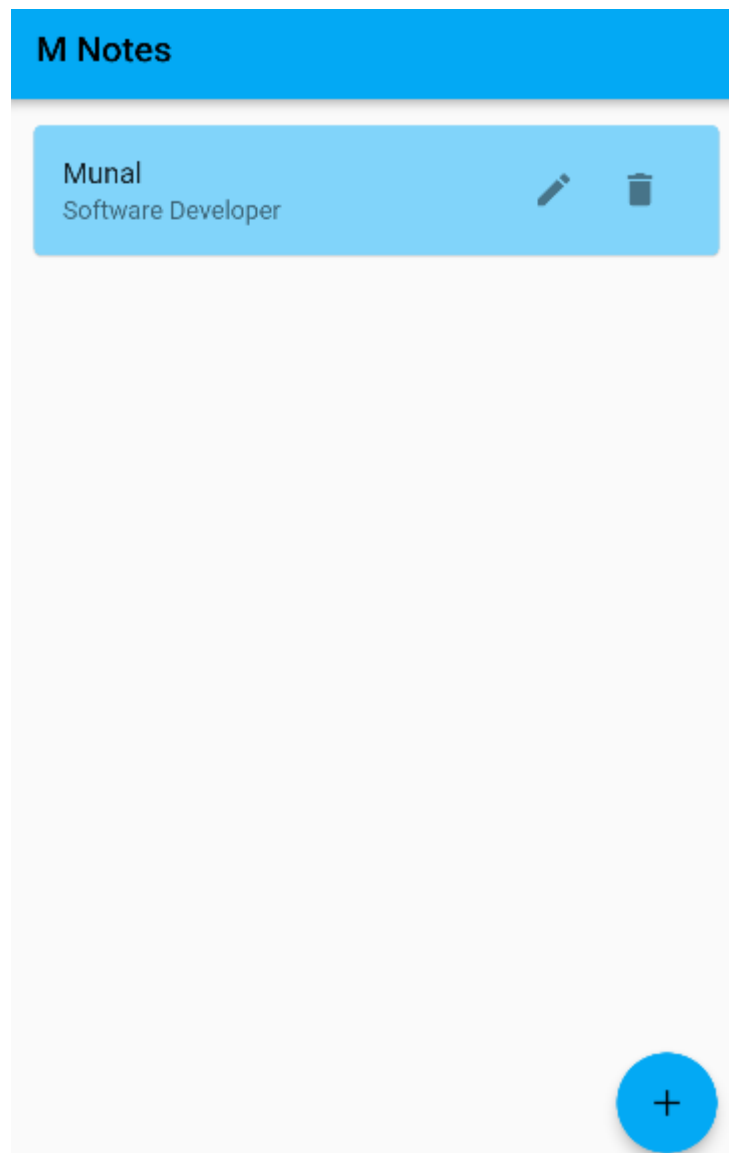
Title

Description

Create New



All Notes in list view



Update Description

M Notes

Munal

SystemDeveloper

Update

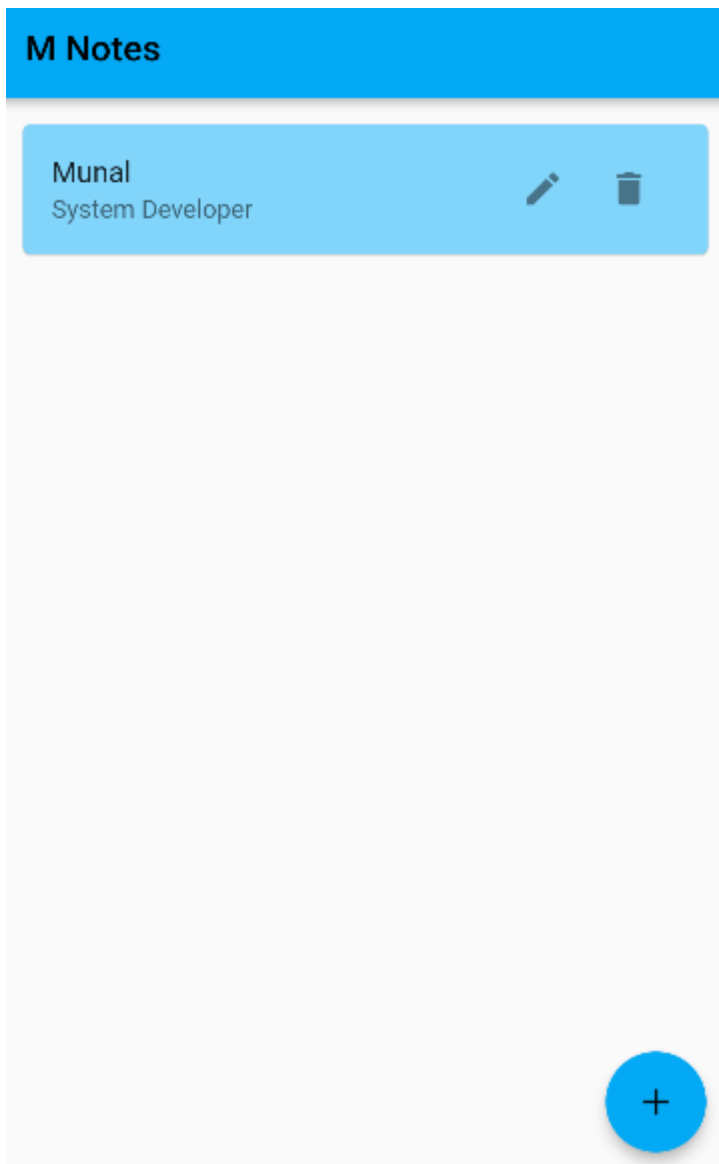
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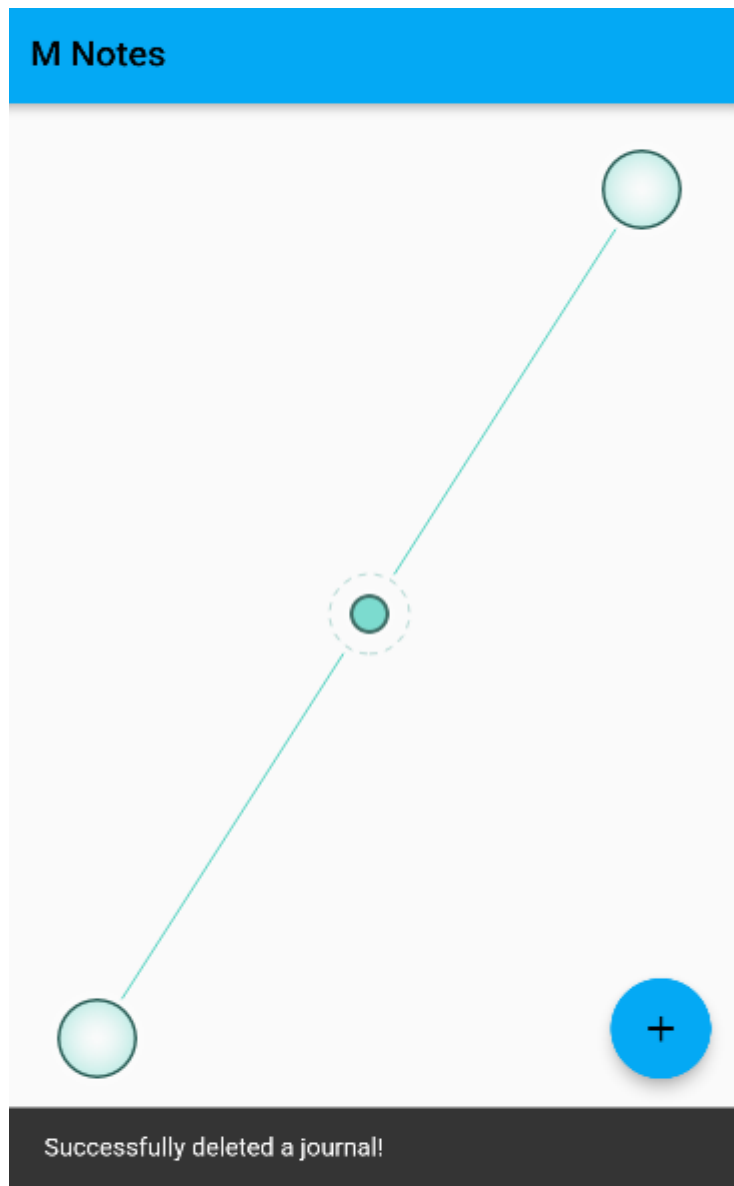
a s d f g h j k l

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?123 , 😊 . ✓



Deleting Data With popup



Source Code

<https://github.com/bhatiamunal/Notes.git>

Video

<https://youtube.com/shorts/W4xMnoARTiw?feature=share>

APK

<https://drive.google.com/file/d/1skf8cyr29iK1gN6UY0k5aIAMxqz8-q30/view?usp=sharing>