

Lab session 4: CRUD operations with SQLite using Flutter

Introduction

In this lab session, you will demonstrate the CRUD operations with SQLite and Dart in a Flutter application.

Objectives

At the end of this session, students are expected to be able to create a Flutter App to implement the CRUD operations using Dart programming language.

Deliverables

- A full documentation with Screenshots and descriptions of the Labs and Dart files.



Student Name

Tutorials

1. <https://docs.flutter.dev/cookbook/persistence/sqlite>

2.

Practical -

Task-1

Implement CRUD operations based on the base code and tutorial given
Using the tutorial link#1 implement the CRUD operations on a table of your choice in SQLite.
https://docs.flutter.dev/cookbook/persistence/sqlite
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

Task-2

Firestore for Flutter
https://firebase.google.com/codelabs/firebase-auth-in-flutter-apps#0
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

Task-3

Get to know Firestore for Flutter
https://firebase.google.com/codelabs/firebase-get-to-know-flutter#0
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

Task-4


Local development for your Flutter apps using the Firebase Emulator Suite
https://firebase.google.com/codelabs/get-started-firebase-emulators-and-flutter#0
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

Task-5

Implement the CRUD operations using Flutter and Firebase-FireStore cloud environment
Use the base code given during lecture
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

OPTIONAL - Task-6

Firebase Android Codelab - Build Friendly Chat
https://firebase.google.com/codelabs/firebase-android#0
Provide a documentation with a short description and screenshots for all the steps of the lab and the Dart files.

 Student Notes and feedback
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Screenshots

Good Luck!

