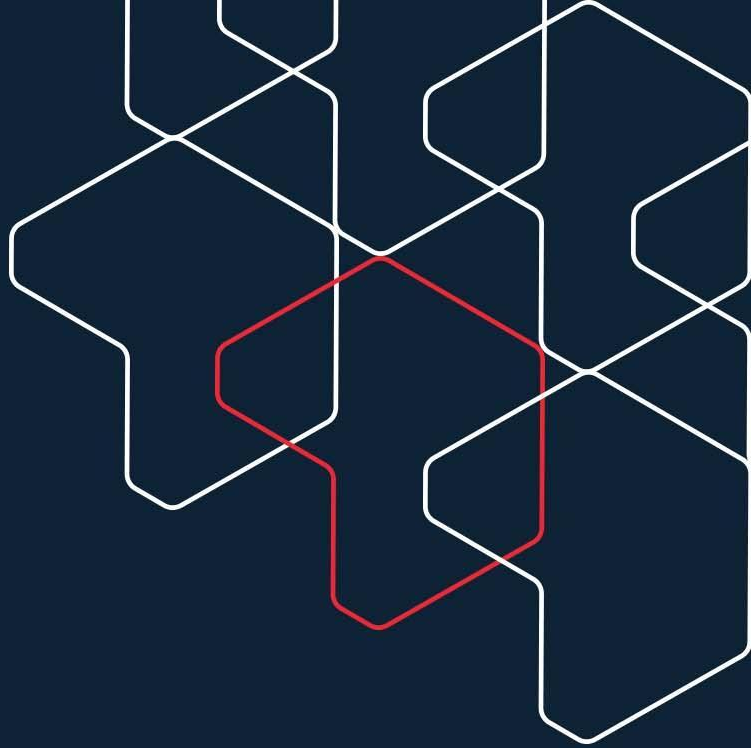


VentureDive

Flutter Training

Persistent storage and unit tests

Recap

Week #4 Recorded Session:

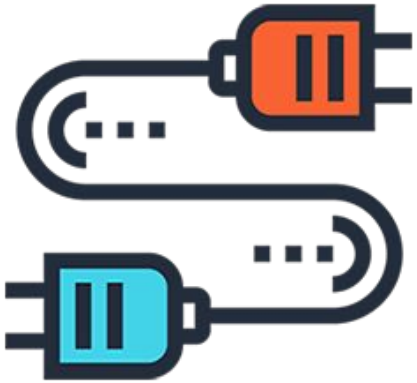
https://drive.google.com/file/d/1ixtdLR-euVxENAL1NFL7mJgGDi8BUfIS/view?usp=drivesdk

Week #4 Presentation (Network Requests):

https://docs.google.com/presentation/d/1HCfuClZTlIM25zj6KcjJOTsABmr4k2vK43izvMLDRx0/edit#slide=id.g73aadda746_0_0

Agenda

- Cross-platform key-value store using plugin
- Read/write files using *path_provider* plugin
- Make use of SQLite database
- Writing unit tests
- Mocking dependencies



shared_preferences plugin

Wraps *NSUserDefaults* on iOS and *SharedPreferences* on Android

path_provider

plugin

Document directory

On iOS, this corresponds to the NSDocumentDirectory.

On Android, this is the AppData directory.

sqflite plugin

1. Define the Dog data model.
2. Open the database.
3. Create the dogs table.
4. Insert a Dog into the database.
5. Retrieve the list of dogs.

Summary

Key-Value Store: when you have relatively small collection of key-values to save.

Filing: download data from the internet and save it for later offline use.

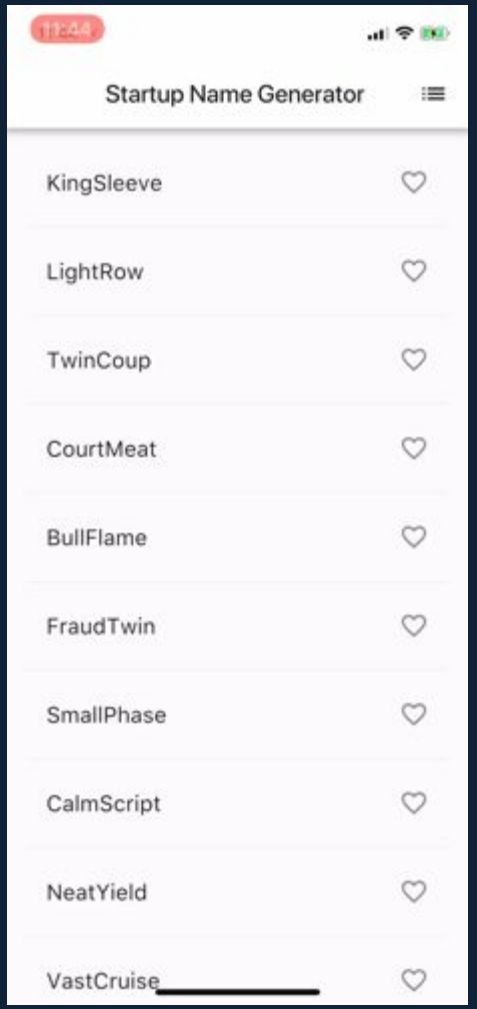
SQLite: need to persist and query larger amounts of data on the local device.

flutter_test

Unit Testing

1. Create test file
2. Create a class to test
3. Write tests for our class
4. Run Tests

Mock data of web services for unit tests



Take home assignment

https://flutter.dev/docs/get-started/codelab

Assignment submission

Upload your code on github and submit it’s link on the Google chat group.

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Thank you

Upcoming: Architectural patterns