

Biomedical Wearable Technologies
for Healthcare and Wellbeing

Linking State Management With Networking

A.Y. 2023-2024

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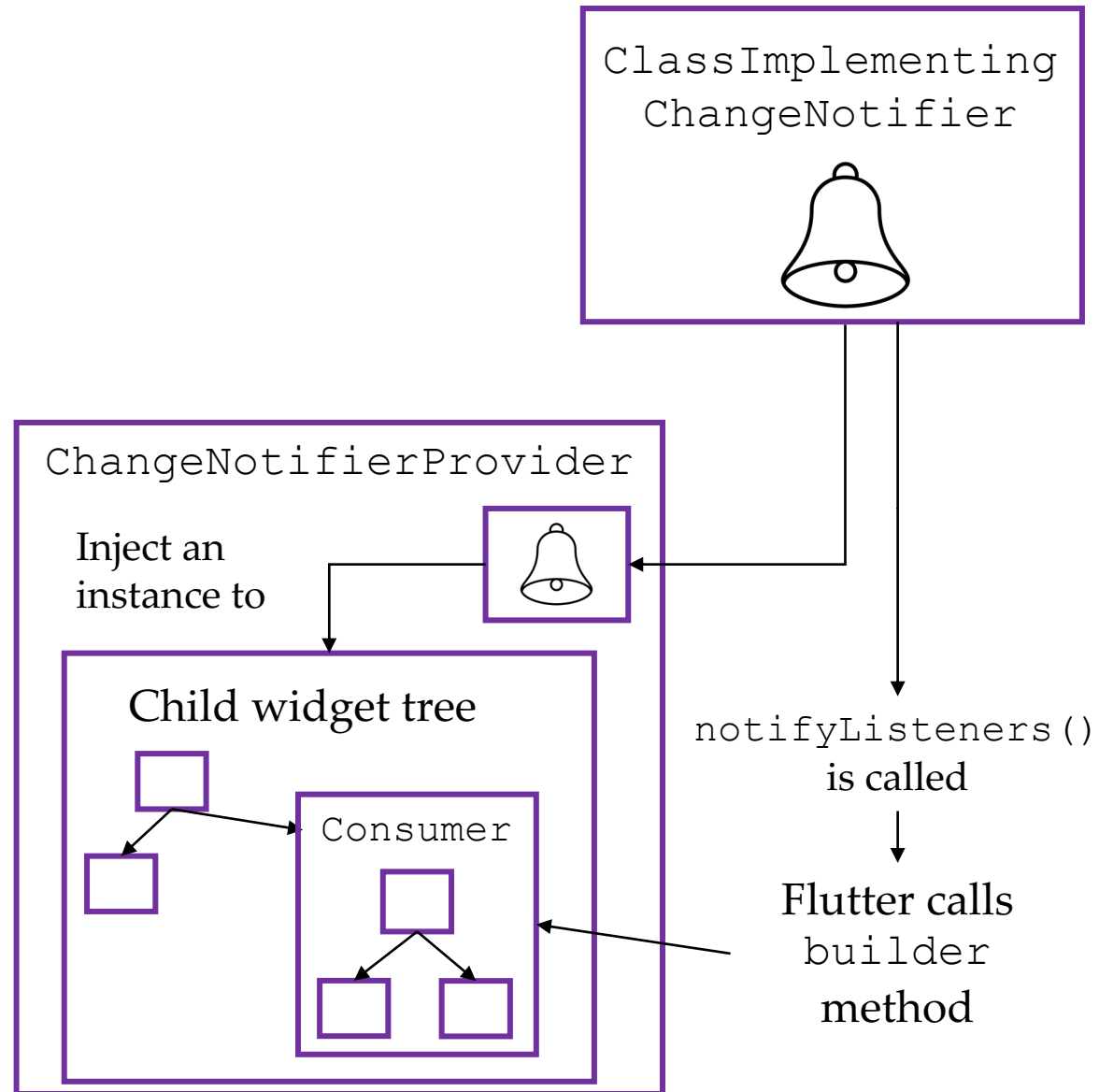


Outline

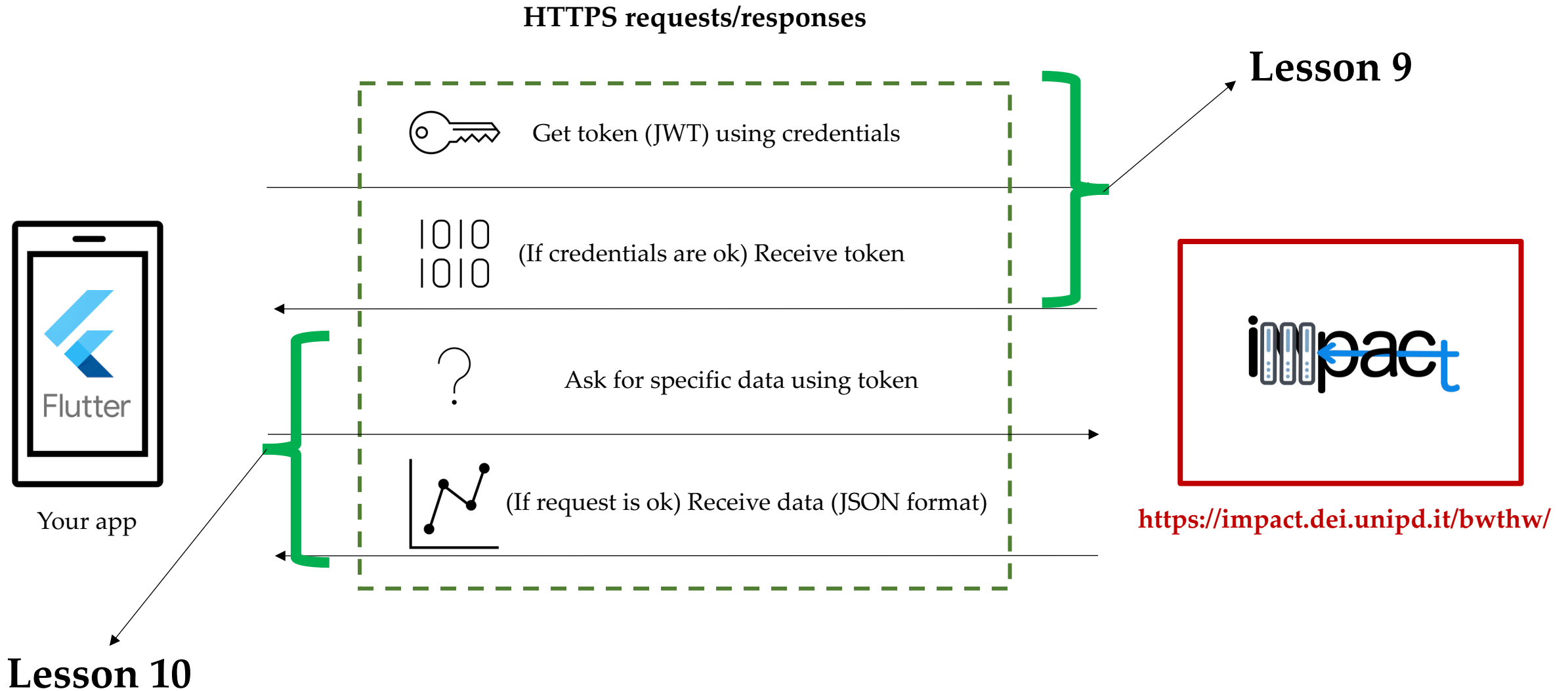
- **Recap**
- Linking state management with networking
- Exercise

Recap: Provider (core) flow

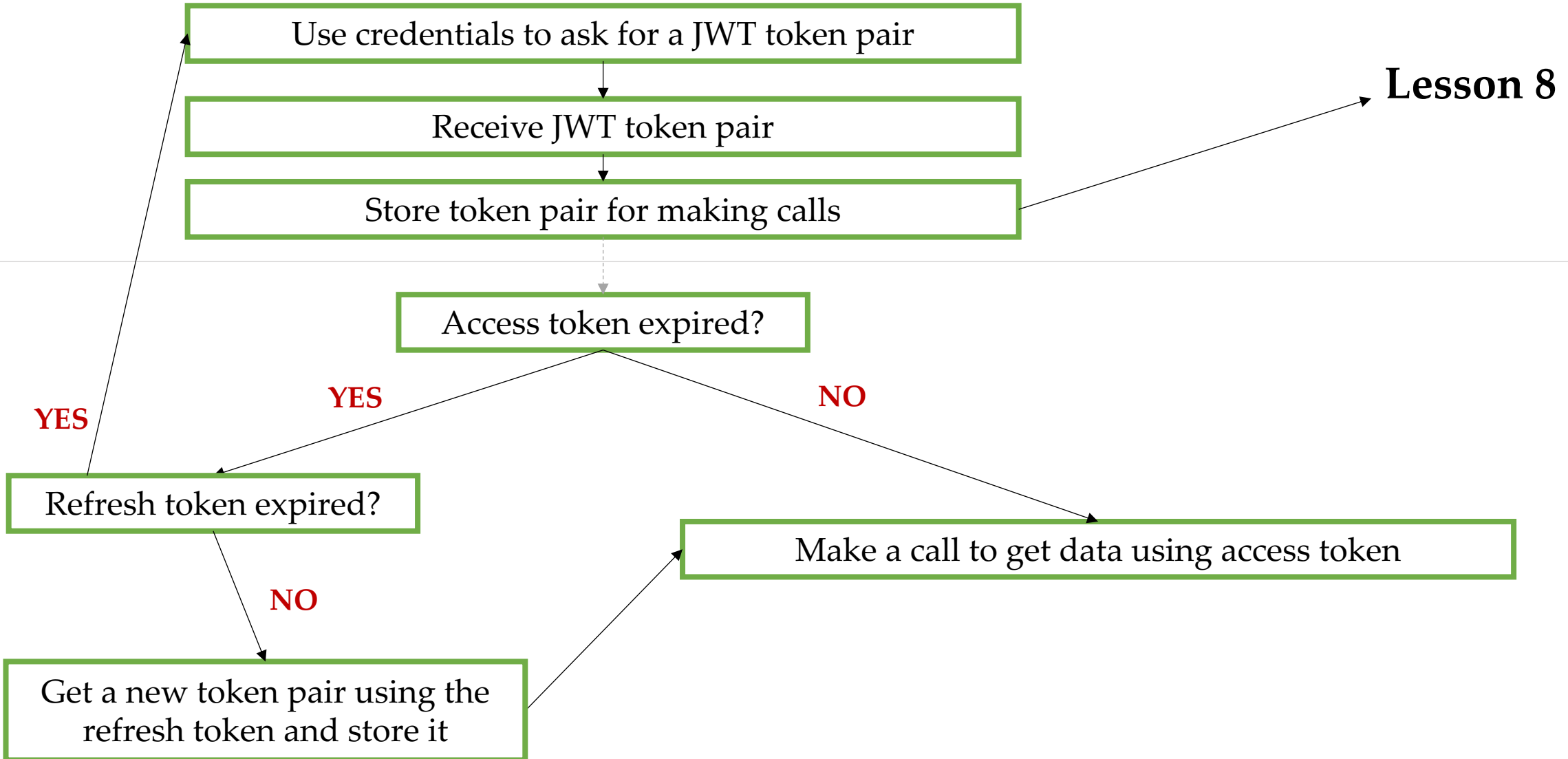
Lesson 7



Recap: Communicating with IMPACT



Recap: The networking flow



Outline

- Recap
- **Linking state management with networking**
- Exercise

Linking state management with networking: simplified schema

WHAT

“Event” that asks to
fetch data

Create request and get
the response

“Manage” response

Trigger the builders

Rebuild the UI

WHERE

Everywhere in your application

In a class dedicated to communicate
with IMPACT

In the provider (the class that is
extending `ChangeNotifier`)

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extending `ChangeNotifier`)

Everywhere in your application
(where needed)

HOW

Many options, e.g., using a button,
automatically done if something
happen...

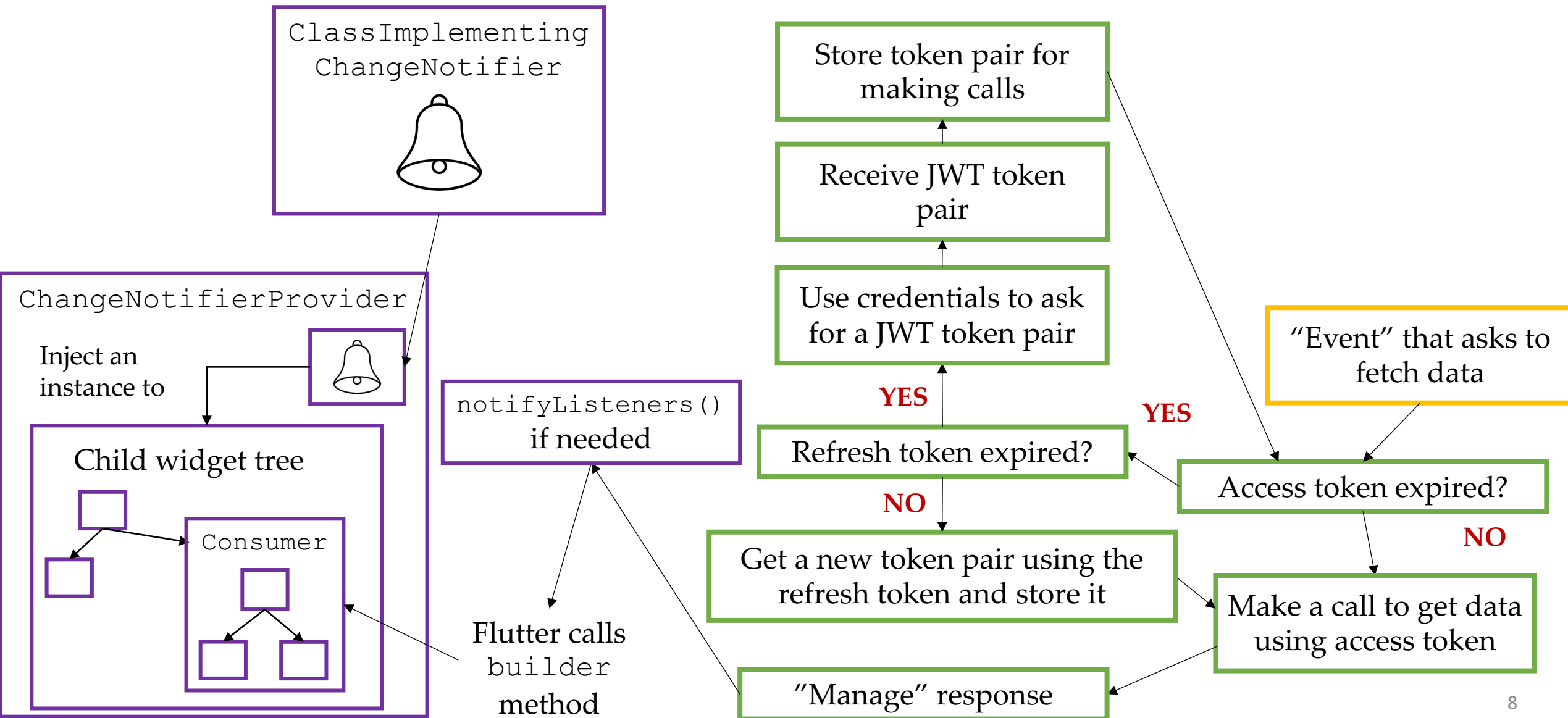
<See lesson 9 and 10>

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Calling `notifyListeners()`

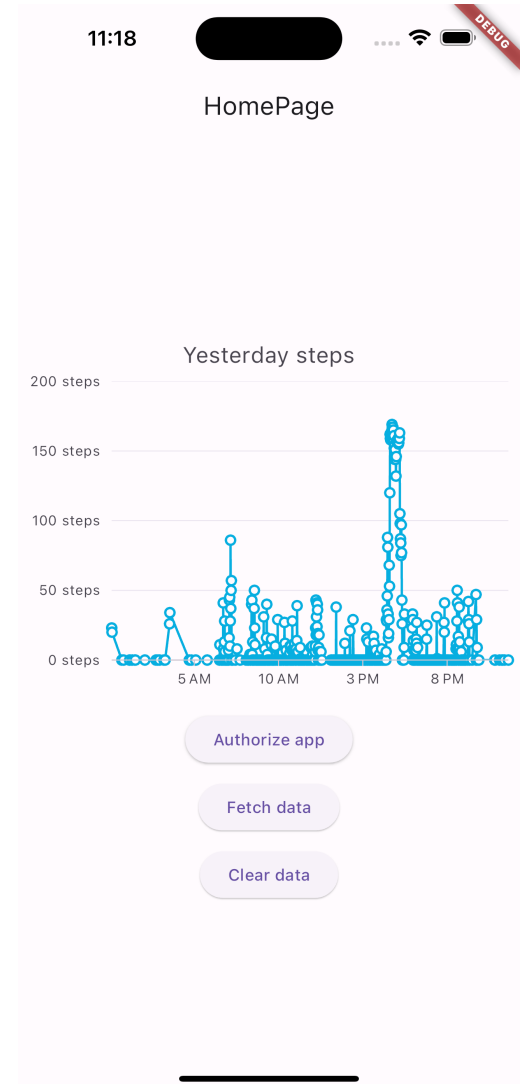
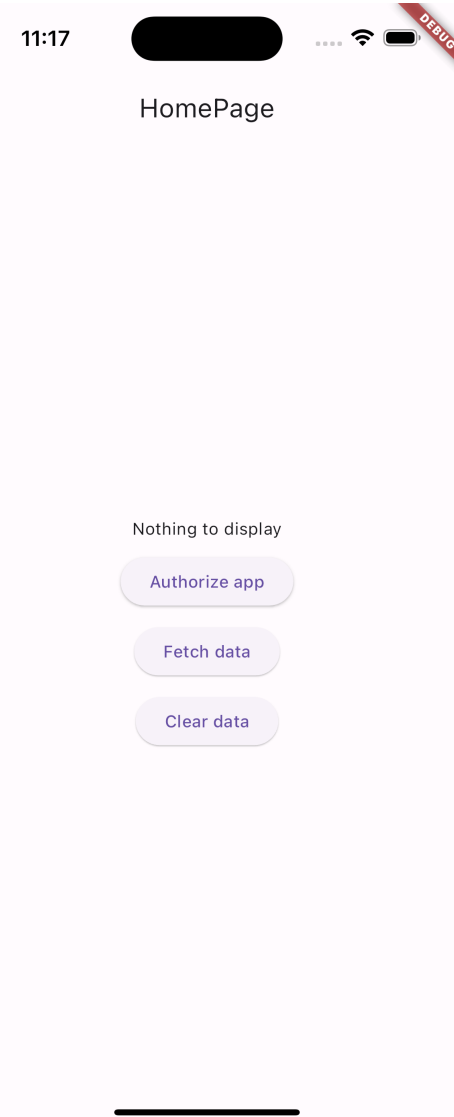
Using `Consumer`

Linking state management with networking: detailed schema



Case of study - Live

- Let's implement a simple application that, after tapping a button, generates a plot showing yesterday's steps.



Outline

- Recap
- Linking state management with networking
- **Exercise**

Exercise

- Get familiar with the example