

Testing Components With State Management



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Overview

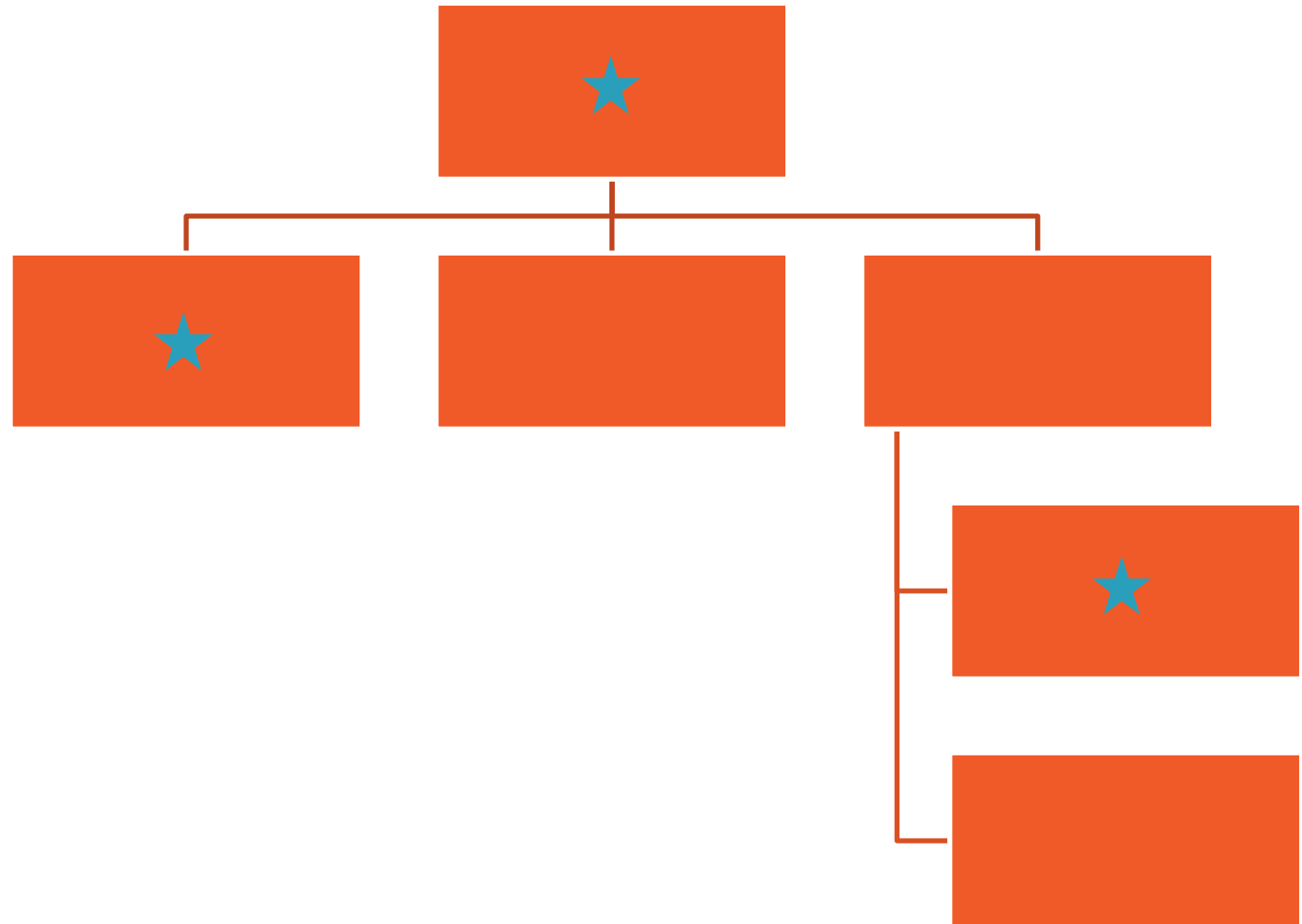


Testing applications that use a state management system

Snapshot testing



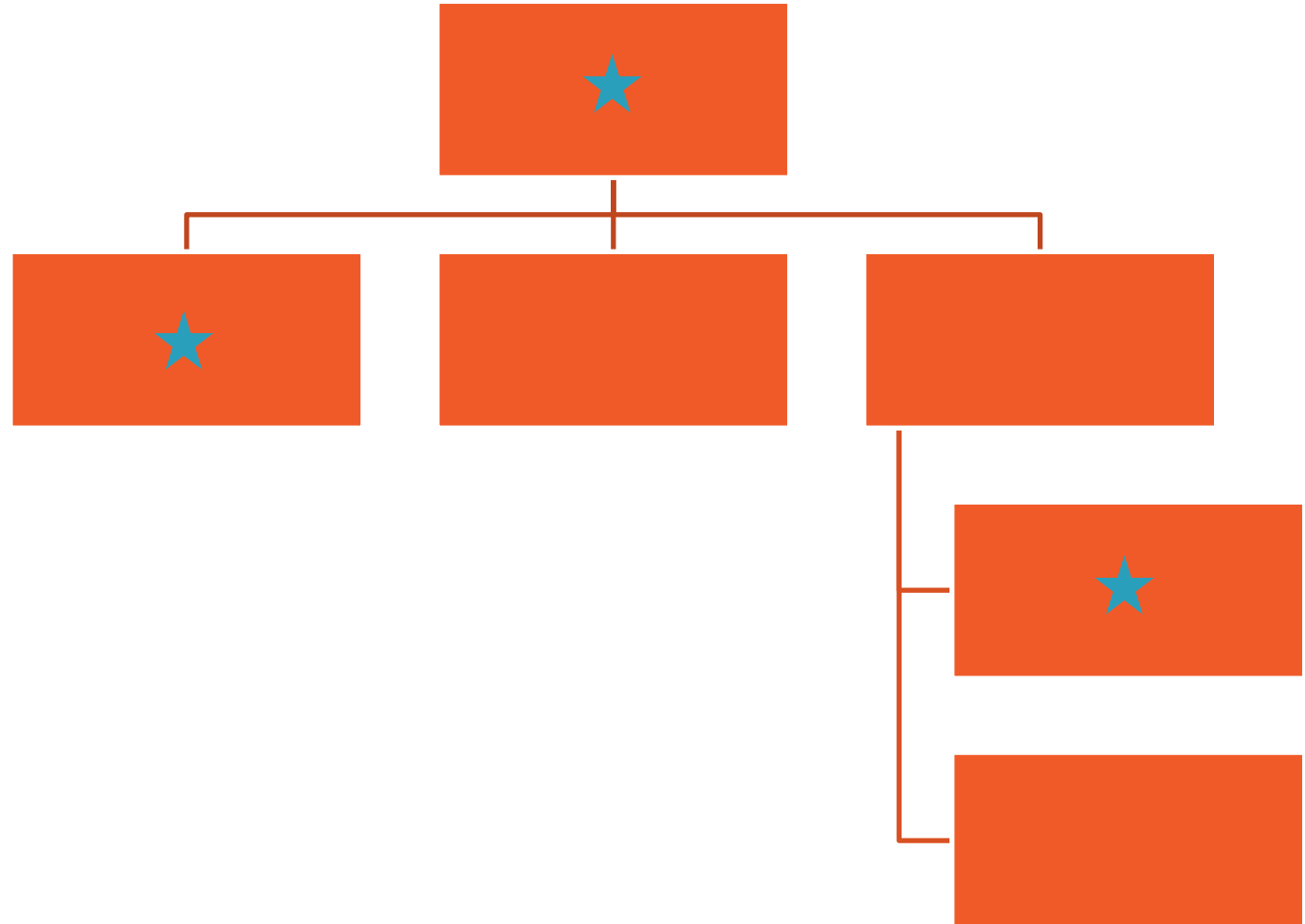
State Management Libraries



State Management Libraries



State
Management
Library



Principle:
If you need to test your
mock implementation, write
an integration test instead



Demo



Testing React components connected to Redux



Detecting Changes with Snapshot Testing

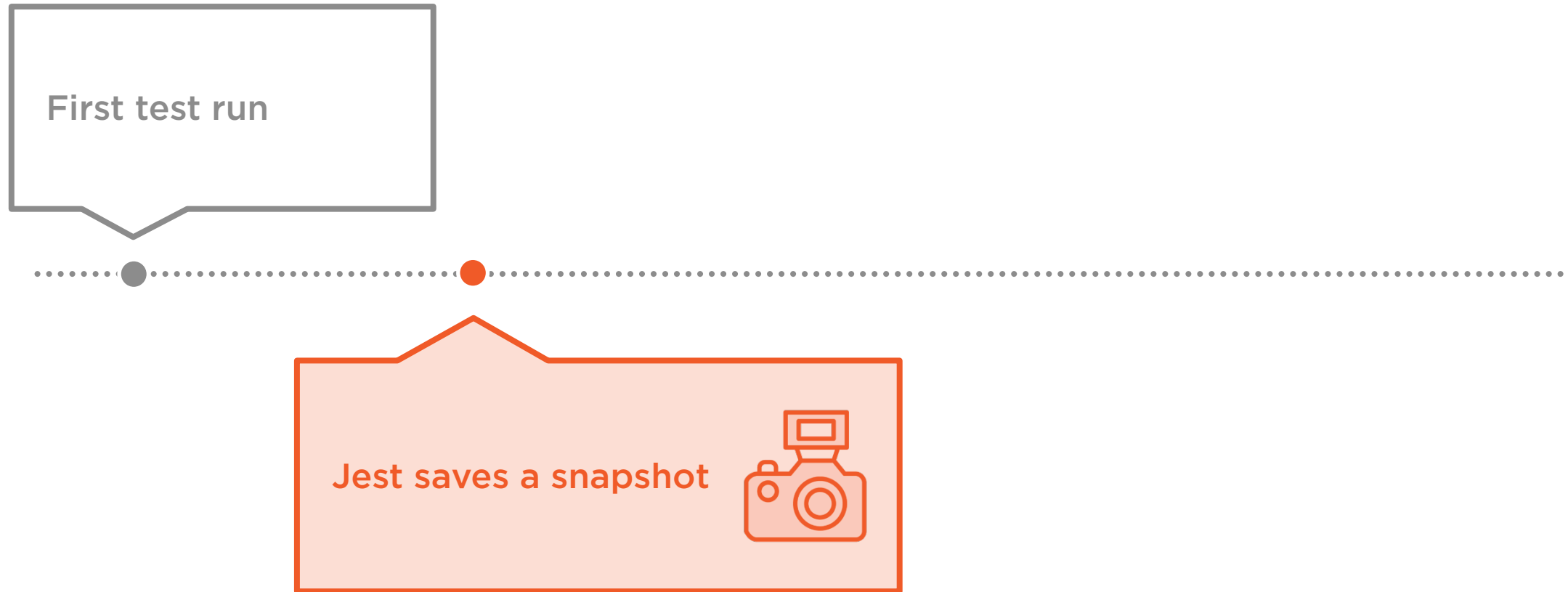
First test run



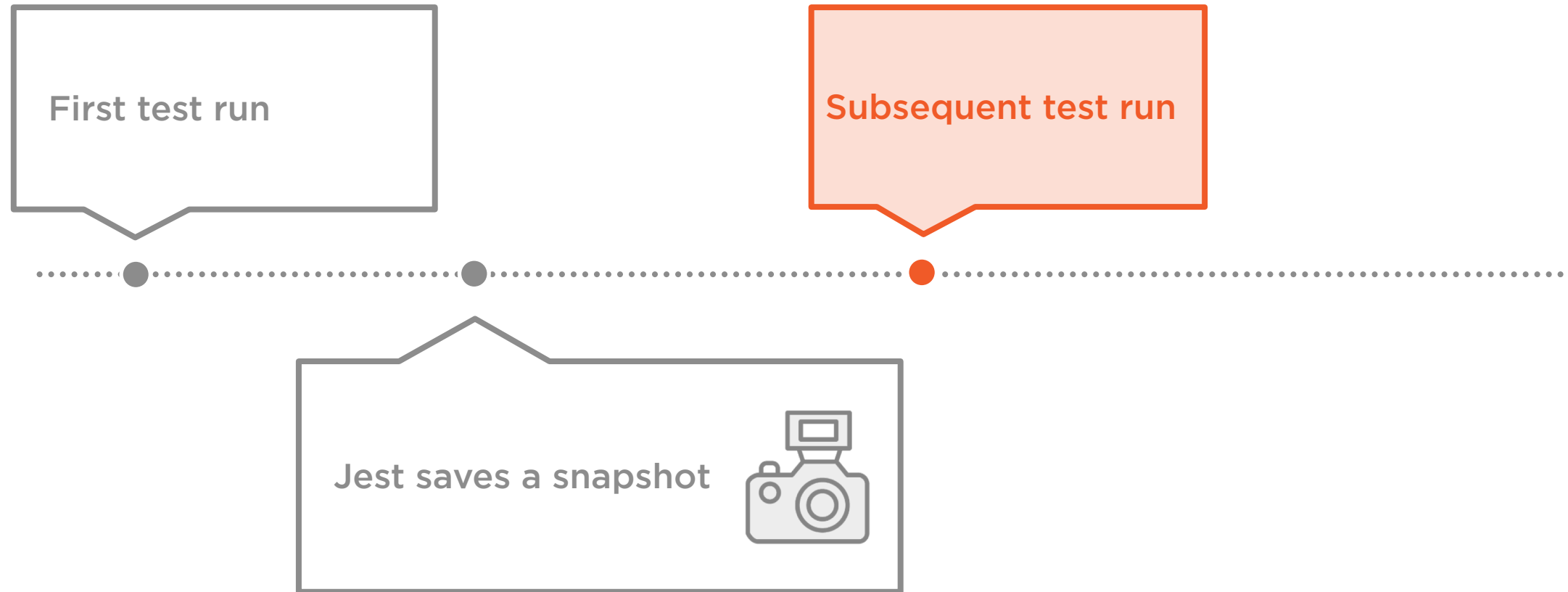
The diagram illustrates the initial step in snapshot testing. It features a horizontal dotted line representing a timeline. A solid orange circle is positioned at the beginning of this line. Above the circle, an orange callout box with a tail pointing to the circle contains the text 'First test run'.



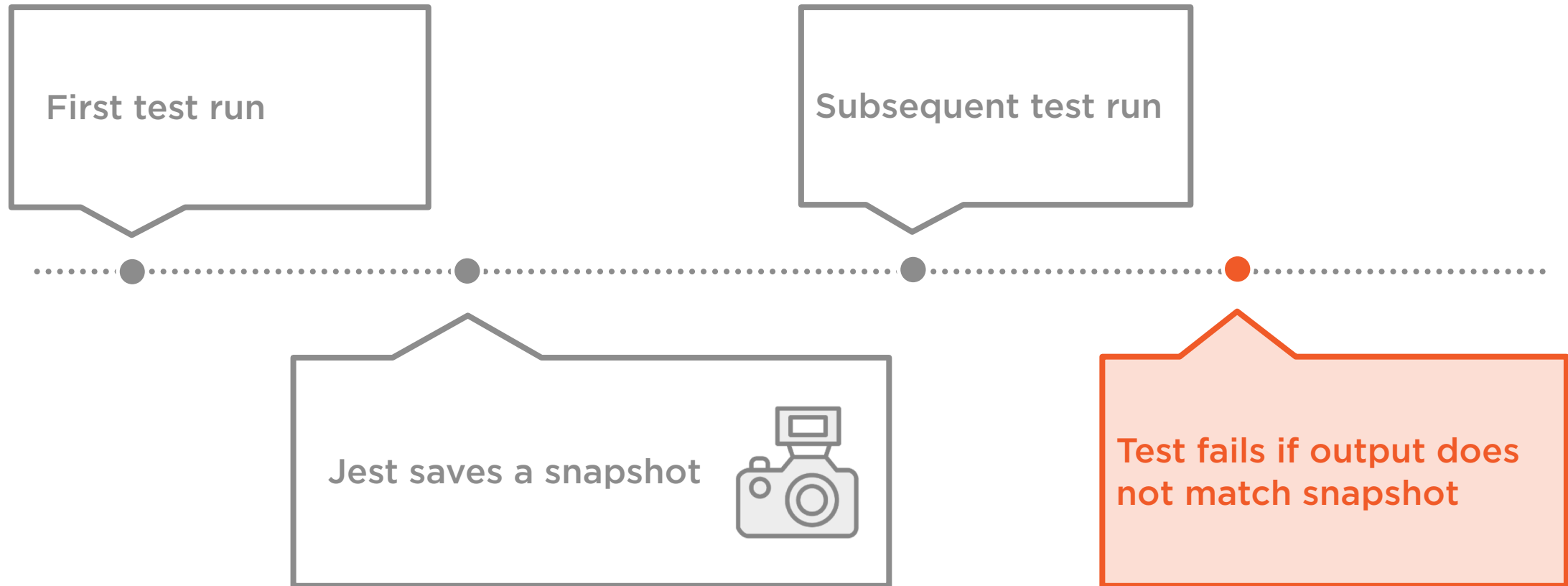
Detecting Changes with Snapshot Testing



Detecting Changes with Snapshot Testing



Detecting Changes with Snapshot Testing



Detecting Changes with Snapshot Testing

File or inline

Not just for React

Must be
deterministic

`__snapshots__/
[filename].snap`

Source control

Pretty formatted



Detecting Changes with Snapshot Testing

Unit tests

Can show bugs
Can't show correctness

Snapshot tests

Can detect change
Can't show bugs
Can't show correctness



Demo



Snapshot testing



Summary



Integration test for state management

Snapshot testing to catch changes

