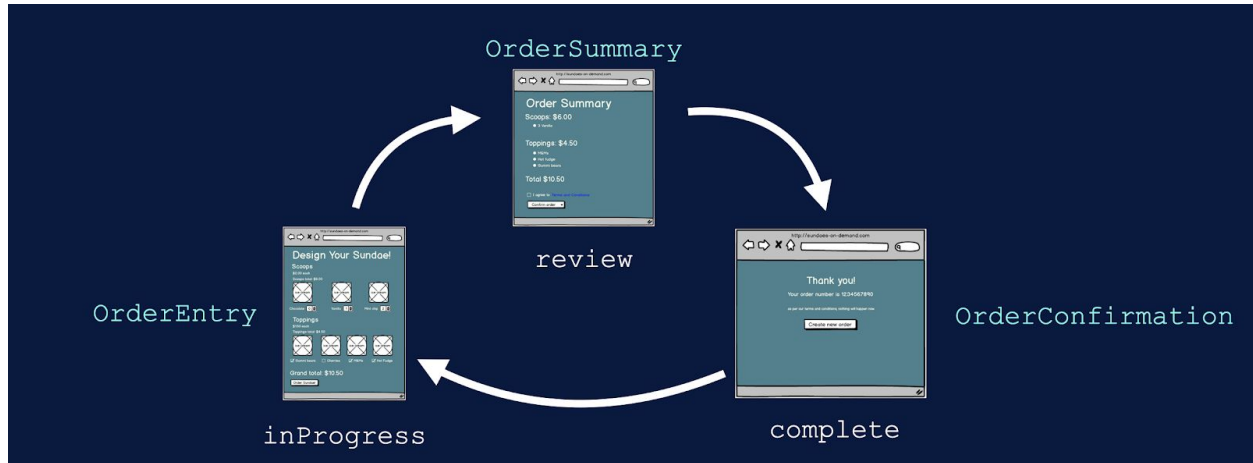


Final Exam Code Quiz Spec

App Order Phase State Mockup

- App passes state setter (`setOrderPhase`) to components as prop
- Components call `setOrderPhase` to move to next phase



What to Test

- "Happy path" (aka "Happy Day" or "Golden Path") test
 - Tests that execute customer flow without error
- For our app:
 - Create order
 - Accept terms and submit
 - Click "new order" on confirmation page
- Don't need to test different combinations of orders
 - Covered in order page testing

New Mock Service Worker Handler

- New Handler
 - mimic POST for order confirmation with Mock Service Worker
 - implementation: call POST via `useEffect` in `OrderConfirmation`
 - make up format of the data sent to server, or send no data
 - server simply generates random order number and sends it back as JSON
- Warning about using copy/paste to create new handler

- I do this all the time
- If you do, be sure to change the method from get to post
- If you neglect to do this, it's very difficult to track down!
 - Will get error like `Error: connect ECONNREFUSED 127.0.0.1`

Debugging Tips

- `screen.debug()`
- Does `getBy*` fail when there a server call or other async action?
 - need to use `await findBy*`
- Read test error output carefully
 - don't get intimidated by huge walls of text!
 - exactly which assertion is failing?
 - copy/paste errors into web search
- Try pre-written code to see whether your tests or code are the issue
 - Clearly not a viable option in real life, but useful tool while learning

Common Errors

Error	Possible Cause
<code>Unable to find role="role"</code>	Either role (for example, <code>button</code>) doesn't exist, or no element with that role that also matches <code>name</code> option.
<code>Warning: An update to <i>component</i> inside a test was not wrapped in <code>act(...)</code></code>	There was an update to the component after the test completed. Use <code>await findBy*</code>
<code>Warning: Can't perform a React state update on an unmounted component. This is a no-op, but it indicates a memory leak in your application.</code>	There was an update to the component state after the test completed. Use <code>await findBy*</code>
<code>Error: connect ECONNREFUSED 127.0.0.1</code>	There is no Mock Service Worker handler associated with this route and method.

Confirmation Page Mockup

