Basic: What to test

Test if a component renders

Test if a component renders with props

Test if component renders in different states

(if loggedin , Login button should not be visible and logout should be visible etc)

Test if the component reacts to user events like button clicks

What not to test

Don’t test Implementation details

Third party code

Ex: if using mui , no point in testing button of mui , instead test component that consumes mui

Code that’s not imp from a user point of view

Ex: any util to change date format need not be tested instead the component which consumes should be tested if the right format is rendered

Render

-RTL query to fins an elem on page

Expect+matcher function

RTL Query:

getBY

queryBy

findBY

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getAllBY

queryAllBy

findAllBy

--

RTL Query:

By…-> Role , LabelText , PlaceHolderText , Text , DisplayValue , AltText , Title , TestId

getBY…..

Role🡪aria-role (gives semantic menaing to elems)

Button 🡪 button role

Anchor 🡪 link role

So on…

“Role” attribute can be used to mention the role

Examples:

<https://www.w3.org/TR/html-aria/#docconformance>

getByRole-options

name

level

hidden

selected

checked

pressed

getByLabelText

-options

Selector can be used in the object with the value name of the html element selector

getByPlaceholderText

getByText

to test div ,span , parapagraph elements

getByDisplayValue

getByAltText

img , input , area , custom HTML elements

getByTitle

getByTestId

data-testid

Priority Order for Queries:

When to pick over the other ?

Rtl🡪

getByRole (should be top – preference)

input text box -🡪 textbox

so on…

Website form fields-🡪 getByLabelText

If still not found

Use getByPlaceholderText

Next use

getByText

(Divs, span , p)

getByDisplayValue (Form with filled values)

For custom elements

getByAltText (img or other elems) , getByTitle, getByTestId (When text is dynamic)

Querying multiple Elements

getAllBY(returns array of all matching nodes)

Each of the 8 RTL queries we have seen above has the the corresponding getAllBy.. query

queryBY

to be continued