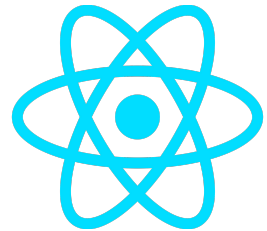


Component Testing with React Testing Library and Jest

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Agenda

1. Brief Introduction
2. Intro to React Testing Library (RTL)
3. Live Demo (featuring Todo App)
4. Additional Resources
5. Q+A

About Me

- Engineer at Uber
- Interests:
 - Yoga
 - Hiking
 - Short Fiction



Opinions and Q+A

React Testing Library



- Test what the user sees
- Testing Components on the DOM, not internal component state
- Developer-friendly

Querying

	No Match	1 Match	1+ Match	Await?
getBy	throw	return	throw	No
findBy	throw	return	throw	Yes
queryBy	null	return	throw	No
getAllBy	throw	array	array	No
findAllBy	throw	array	array	Yes
queryAllBy	[]	array	array	No

Query Priority

1. Accessible to Everyone
(getByRole, getByPlaceholderText, getByText)
2. Semantic
(getByAltText, getByTitle)
3. Test IDs
(getByTestId)

Rendering / Testing the DOM

- Render: renders the component
 - methods provided:
 - debug: debugging the DOM (can see HTML elements)
 - rerender: re-render your React component
 - cleanup: unmount
 - ...many more
- screen: what allows us to interact with the elements that are being rendered
 - Provides the query method:
 - getByRole
 - getByText
 - getByPlaceholderText
 - ...many more

Todo App Example!

Everyone's Favorite Todo App `<Header />`

`<TodoInput />`

Feed Chucky `<Todo />`

Get groceries

Do Yoga

Clean room

`<TodoList />`

Resources

- React Testing Library:
<https://testing-library.com/docs/react-testing-library>

Questions????