

Decision Analysis Report

- Context Menu

Project Name: Tresearch

Application Type: Web Application

Trial By Fire

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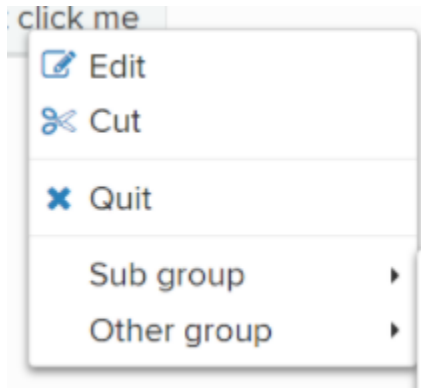
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Purpose

The purpose of this document is to recommend a react component library to create context menus. A context menu appears when clicking and offers choices in the context of the item clicked.



Technology Comparisons

- [React-contextmenu](#)
 - Context Menu implemented in react
- [React-contextify](#)
 - Context Menu implementation in react
- [React-native-popup-menu](#)
 - Extensible popup menu component

Metrics

- Render speed
 - The time required to load a content menu
- Customizable context menu
 - Context menu should have the ability to close once the mouse leaves the menu
- Versions within the last year
 - On average, how often does a framework or API update? We want to use a framework or API that is kept up to date but not too frequently.
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	react-contextmenu	react-contextify	react-native-popup-menu
Render speed (1)	1.9 ms (1)	4.2 ms (0.5)	3.4 ms (0.75)
Customizable context menu (0.75)	Yes, on mouse leave and animated (1)	No (0)	Yes, on mouse leave (0.9)
Versions within the 2 years (0.5)	2 (0.75)	14 (0.25)	6 (1)
Total	2.125	0.625	1.925

DAR Recommendation

Based on the scores of the DAR, it is clear that react-context menu should be recommended based on the fact that it's render speed far outpaced the others as well as the higher score.