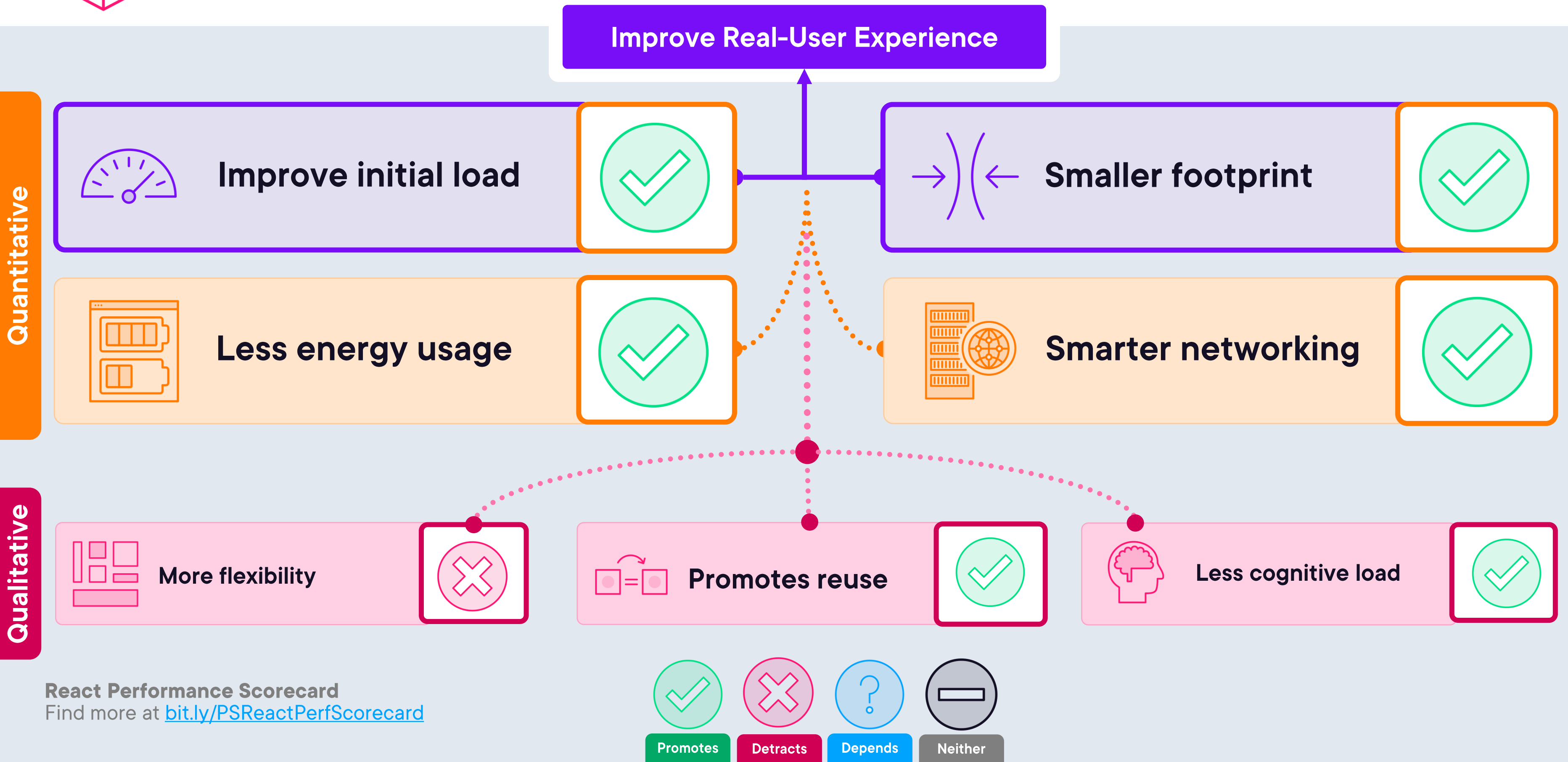
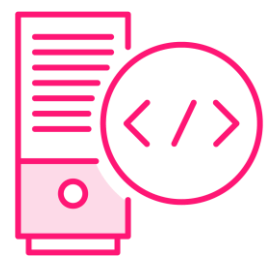




Server-Side Framework

Batteries-included framework that supports a robust set of server-side and client-side work



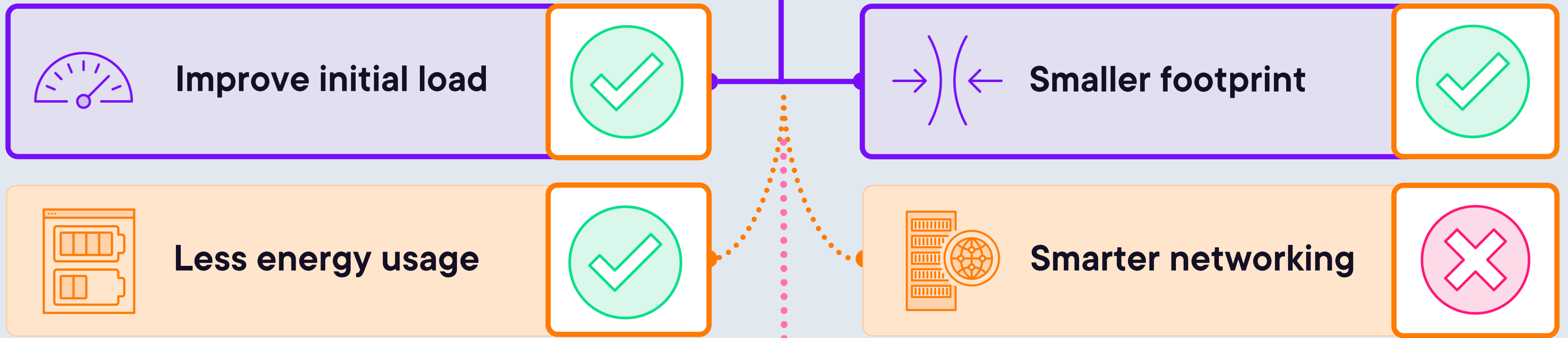


Dev Server

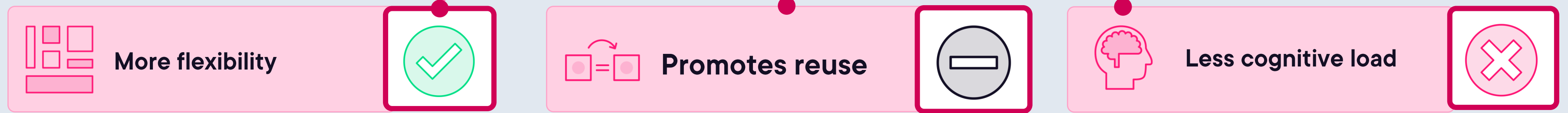
Optimized for local development, and can be flexible with different backends (e.g. Vite, Webpack)

Improve Real-User Experience

Quantitative



Qualitative





Dev Server

Bundled variant

Application Delivery Scorecard

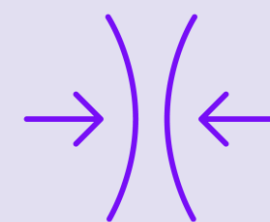
Use bundled files for local development and the production build (e.g. Webpack)

Improve Real-User Experience

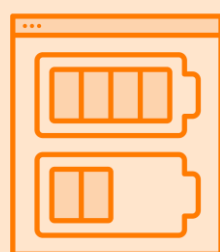
Quantitative



Improve initial load



Smaller footprint



Less energy usage



Smarter networking



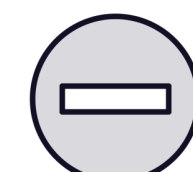
Qualitative



More flexibility



Promotes reuse



Less cognitive load



React Performance Scorecard
Find more at bit.ly/PSReactPerfScorecard



Promotes



Detracts



Depends



Neither



Dev Server

Native ESM variant

Application Delivery Scorecard

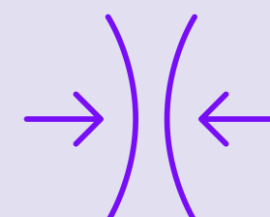
Use native ESM modules for local development and optimize the production build (e.g. Vite)

Improve Real-User Experience

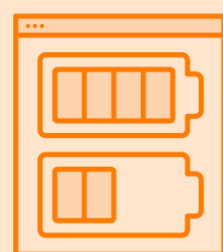
Quantitative



Improve initial load



Smaller footprint



Less energy usage



Smarter networking



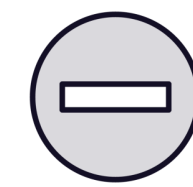
Qualitative



More flexibility



Promotes reuse



Less cognitive load



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Promotes



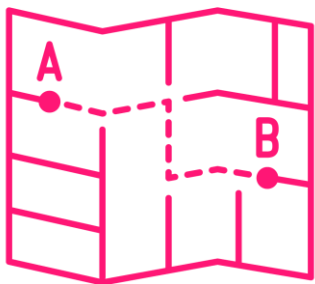
Detracts



Depends



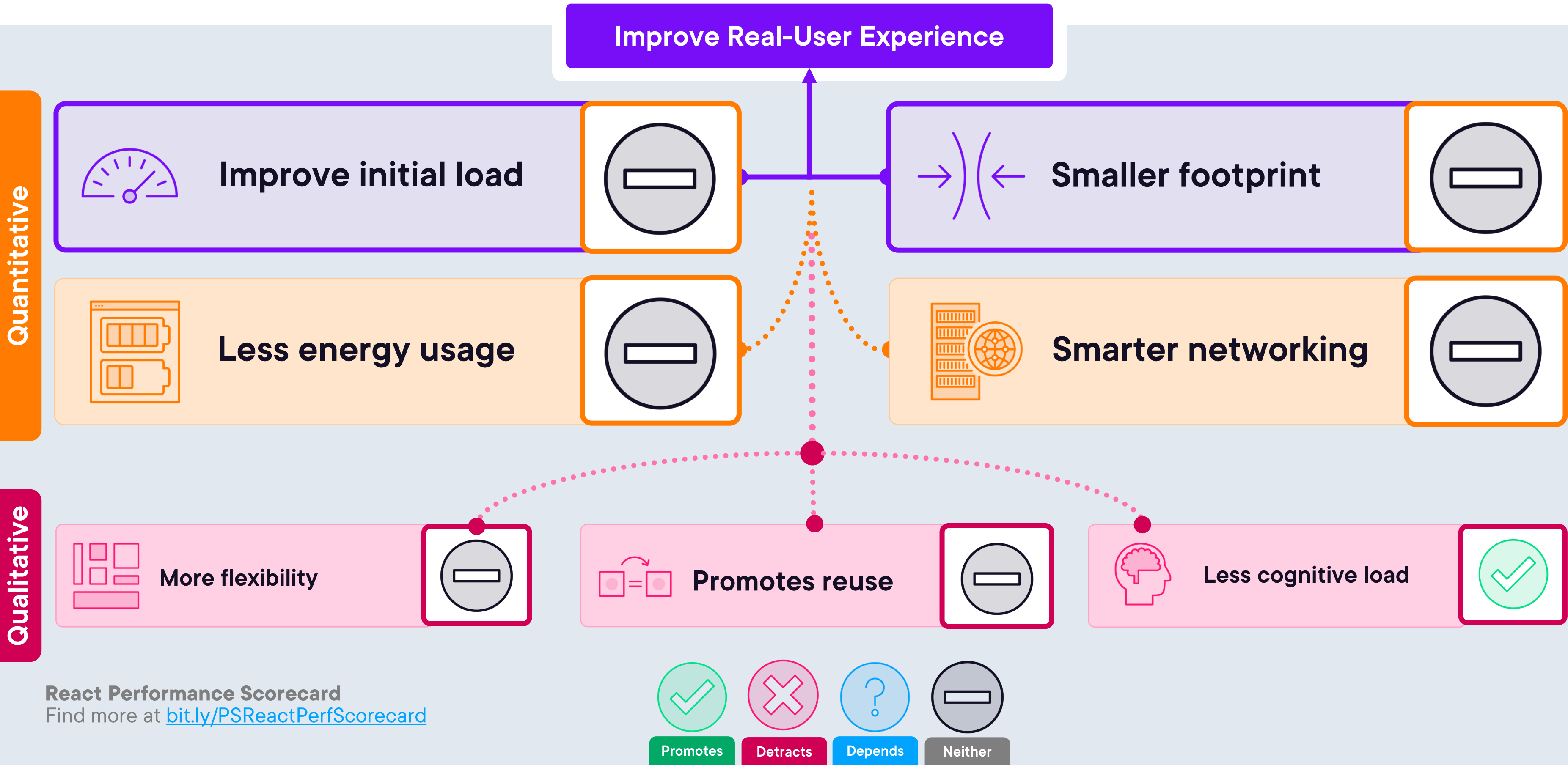
Neither

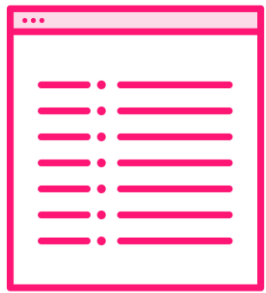


Source Maps

Application Delivery Scorecard

Mapping transpiled or compiled code back to the original source for debugging





Browserslist

Application Delivery Scorecard

Ensures your build tool transpiles your app code into correctly targeted code for your end-users

Improve Real-User Experience

Quantitative



Improve initial load






Smaller footprint



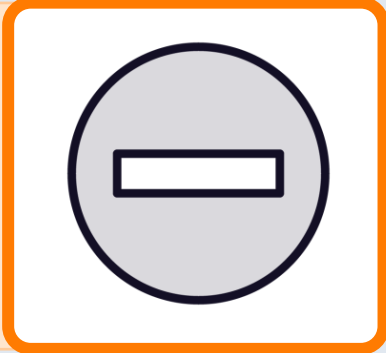


Less energy usage





Smarter networking




Qualitative

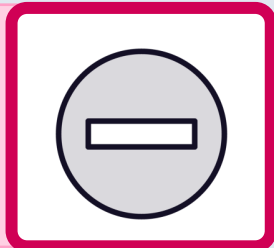


More flexibility





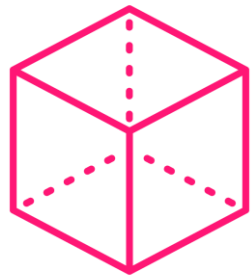
Promotes reuse





Less cognitive load

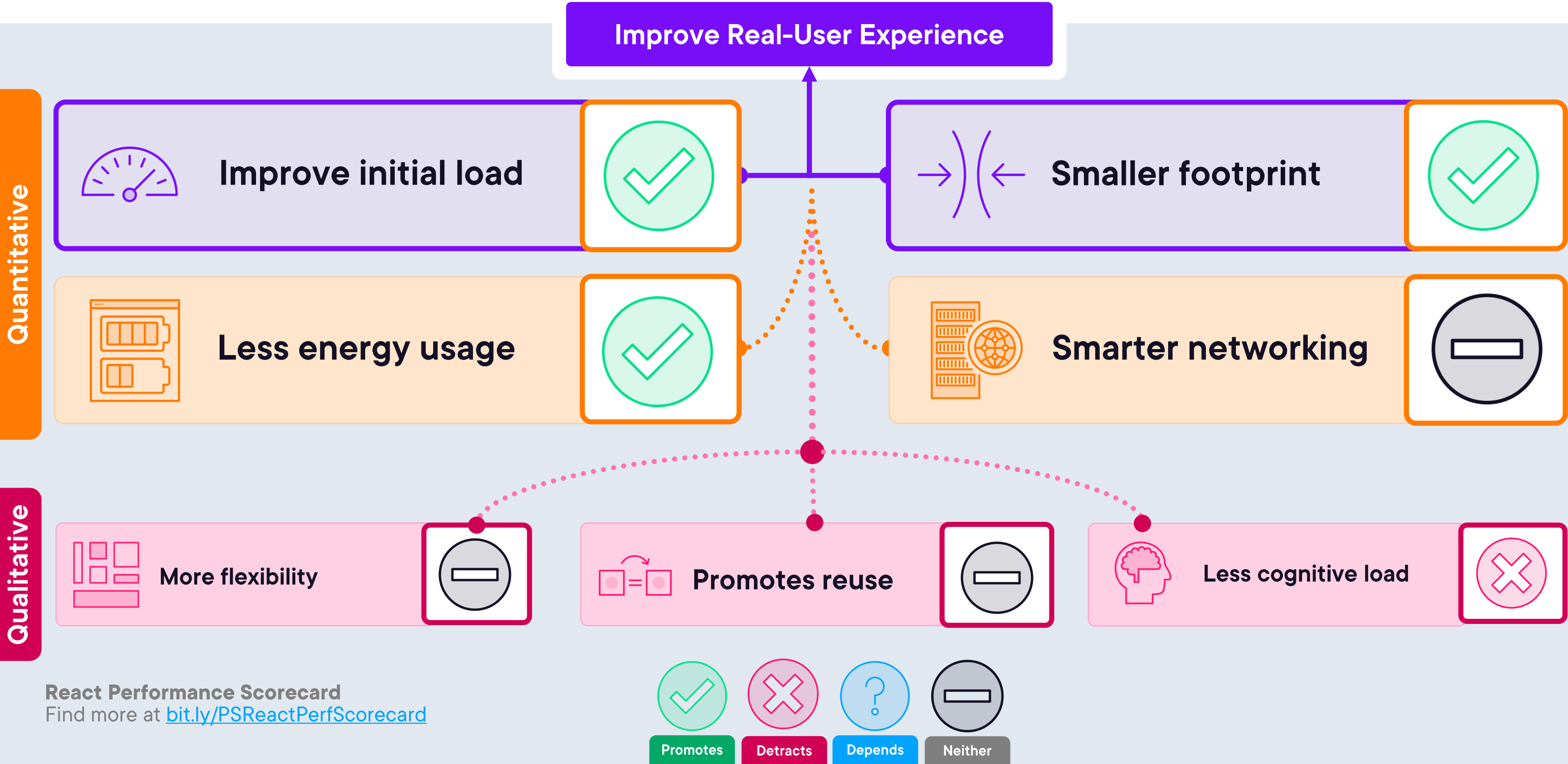


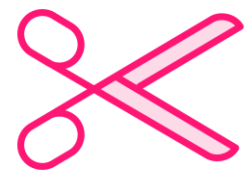


Bundle Analysis

Application Delivery Scorecard

Peek into the black box of your bundles to remove unused code or separate it out





Code Splitting and Lazy Loading

Application Delivery Scorecard

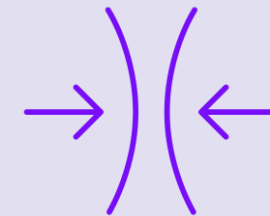
Statically or dynamically separate out code based on different heuristics to lower footprint

Improve Real-User Experience

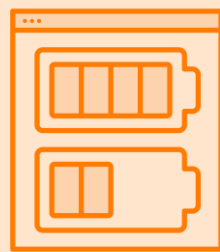
Quantitative



Improve initial load



Smaller footprint



Less energy usage



Smarter networking



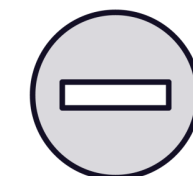
Qualitative



More flexibility



Promotes reuse



Less cognitive load



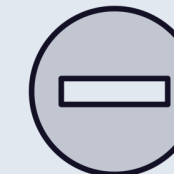
Promotes



Detracts



Depends



Neither



Speculative Loading

Application Delivery Scorecard

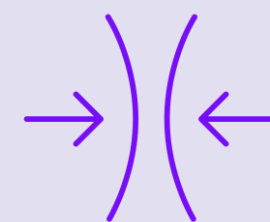
Use Resource Hints, Fetch Priority, or other smart networking browser APIs to optimize requests

Improve Real-User Experience

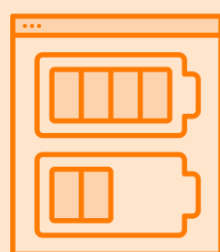
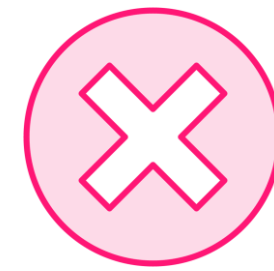
Quantitative



Improve initial load



Smaller footprint



Less energy usage



Smarter networking



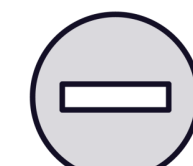
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More flexibility



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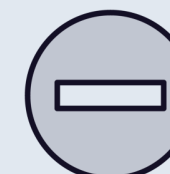
Promotes



Detracts



Depends



Neither