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WEB 340 Node.js

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Discussion 2.1 – NPM Packages

Ramda

Ramda is an NPM package that provides various functions for manipulating arrays, objects, and functions, focusing on functional programming concepts such as immutability and composition (Ramda Documentation, 2014). Ramda's purpose is to "provide a powerful toolkit for functional programming in JavaScript, allowing developers to write code in a declarative, immutable style to improve code clarity and maintainability" (Ramda, 2022). Ramda is helpful for any developer interested in functional programming concepts and is especially useful for those working on large projects or projects with complex data transformations (Ramda, 2022). You can install Ramda using NPM and import it into a project using the import statement (Ramda Documentation, 2014). I chose Ramda because it is a handy tool for functional programming in JavaScript.

Chalk

Chalk is an NPM package that is a small JavaScript library for adding color and formatting to the console (Chalk, 2022). The purpose of Chalk is to provide a simple and lightweight way to add color and formatting to console output, allowing developers to make their logs and debugging output more visually appealing and easier to read (Chalk, 2022). Chalk is helpful for any developer who works with console output and is especially useful for those working on large projects or projects with complex debugging needs (Chalk, 2022). To use Chalk, you need to

install it via NPM and import it into a project using the import statement (Chalk, 2022). I selected Chalk because it seems like a great tool for adding color and formatting.

Cheerio

Cheerio is an NPM package that is a fast, flexible, and lean implementation of jQuery explicitly designed for the server (Cheerio, 2022). The purpose of Cheerio is to provide a simple and powerful way to work with HTML and XML documents on the server side, allowing developers to use familiar jQuery-like syntax to parse and manipulate documents for tasks such as web scraping and template rendering (Cheerio, 2022). Cheerio is helpful for any developer working with HTML and XML documents on the server side and is especially useful for those working on web scraping or template rendering projects (Cheerio, 2022). To use Cheerio, you install it via NPM and import it (Cheerio, 2022). I decided on Cheerio because it seems like an excellent tool for working with HTML and XML documents on the server side.

References

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ramda. (2022, January 16). Npm. <https://www.npmjs.com/package/ramda>

Ramda Documentation. (2014). Ramdajs.com. <https://ramdajs.com/>