Javascript tools and workflow

POWERED BY:

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Tools used in modern Javascript development workflow

➔ Code quality tools - ESlint

➔ Debugging tools - Chrome DevTools

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Code quality tool: ESlint

➔ linter - tool that analyzes code and checks for programming errors, possible bugs and stylistic errors

➔ ESlint - pluggable and extendable javascript linting utility

➔ has good integration with most used editors/IDEs

➔ installation - npm install eslint --save-dev

➔ create configuration file - .eslintrc.(json,yaml,js)

ESlint: configuration

➔ env - defines in which environment will code be run and adds global variables

➔ parserOptions - defines what javascript language version to use

➔ extends - defines what config to use as base (if any)

➔ rules - defines additional rules and rule overrides

Example

```json
{
    "env": {
        "es6": true,
        "node": true
    },
    "parserOptions": {
        "ecmaVersion": 6,
        "sourceType": "module"
    },
    "extends": "eslint:recommended",
    "rules": {
        "indent": [
            "error",
            4
        ],
        "linebreak-style": [
            "error",
            "unix"
        ],
        "quotes": [
            "error",
            "single"
        ],
        "semi": [
            "error",
            "always"
        ],
        "no-console": "warn"
    }
}
```

Debugging tool: Node inspector with Chrome DevTools

➔ Chrome DevTools is powerful developer tool used for debugging nodejs and web applications

➔ it allows runtime code inspection, adding logpoints and breakpoints to code that's executed

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THANK YOU
for attention