

# G53DEV Final report

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When looking at github commits, some might say username of Knightls or Augustinas, that happened because I had configured github incorrectly. All the charts are taken from and can be confirmed on [npm-stat](#)

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# 1 Dlister

## 1.1 About

**dlister** was created on **05/02/2017** and can be found on [Github](#).

It's a cli tool, which allows to quickly and easily list directory trees and files within them. It's build on top of node.js which allows it to be used as a universal tool with extremely simple installation on a large number of operating systems. Dlister also has a stackoverflow integration allowing for painless project layout display when creating a question. I am currently the sole maintainer of the project, which lead to development being slowed down recently, however there are plans for a complete rewrite in ocaml using bucklescript compiler to transform it to javascript. This would mean being able to utilise ocaml's type system to produce better quality code.

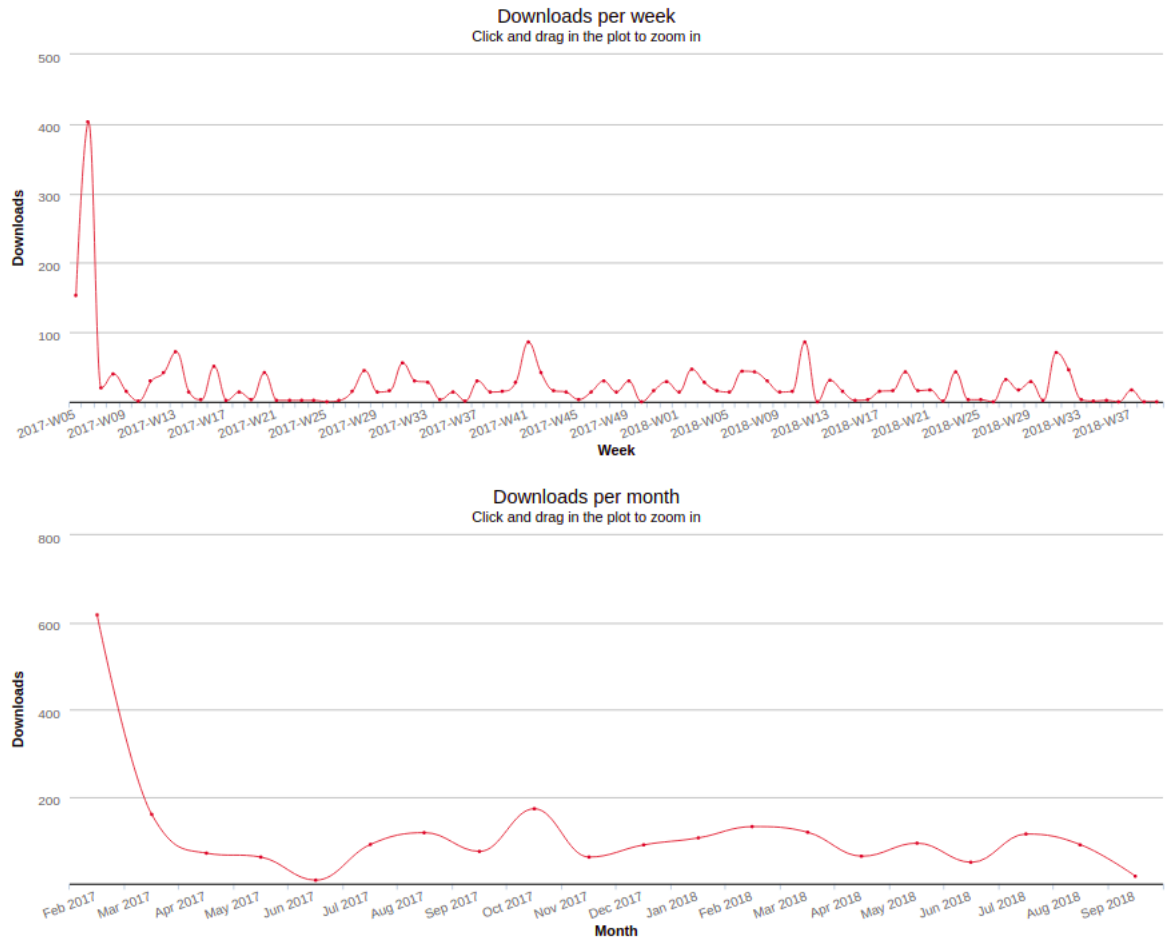
## 1.2 Example usage

```
[august@augustPc][colors-re] $ dlister
├──.merlin
├──.travis.yml
├──README.md
├──bsconfig.json
├──jest.json
├──package.json
├──src
│   ├──Color.re
│   ├──color
│   │   ├──Contents.re
│   │   ├──Convert.re
│   │   ├──Format.re
│   │   ├──From.re
│   │   ├──Modifiers.re
│   │   ├──Properties.re
│   │   ├──Type.re
│   │   └──Utils.re
├──tests
│   ├──Convert_test.re
│   ├──From_test.re
│   ├──Modifiers_test.re
│   └──Properties_test.re
└──yarn.lock
```

```
[august@augustPc][es-search] $ dlister --help
--a : Adds a given expression to ignore list
--ci : Overlooks ignore list and only ignores given expressions
--cj : Joins given argument list with the ignore list
--i : Overlooks ignore list
--r : Removes given expressions from ignore list
--l : Lists current ignore list
--help : Lists available commands
--so : Adds left padding of 4 spaces
```

### 1.3 Statistics

Between 05/02/2017 and 26/09/2018 package has been downloaded **2297** times



## 2 react-routes-map

### 2.1 About

react-routes-map was created on **27/09/2017** and can be found on [Github](#).

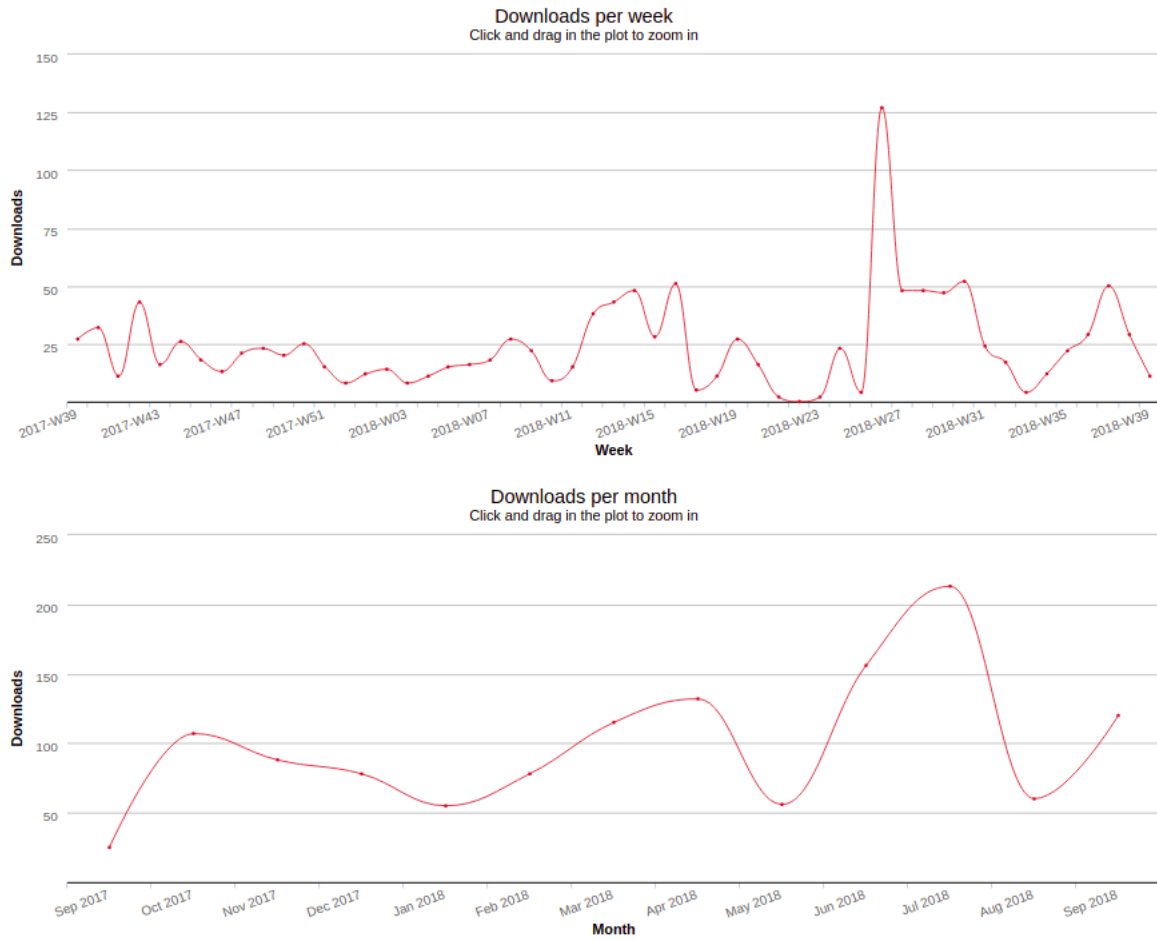
This tool was made to simply react developers lives by dynamically generating routes for a single page application. react-routes-map saves hundreds of lines of codes as well as making configuration as simple as just a single JSON object, while it also allows users to customise route imports as well as setting custom loading actions. Using dynamic importing of routes also has an added benefit of drastically reducing bundle sizes, which in return will speed up initial page load times. I am currently the sole maintainer of the project, however, due to the nature of the project, it does not require often maintenance.

### 2.2 Example usage

```
1 import mapRoutes from 'react-routes-map';
2
3 const routes = [
4   {
5     path: '/home',
6     component: 'Home',
7     name: 'Home'
8   }, {
9     path: '/projects',
10    component: 'Projects',
11    name: 'Projects',
12    children: [
13      {
14        path: '/add',
15        component: 'ProjectForm',
16      },
17    ],
18  }, {
19    path: false,
20    component: 'Default',
21  }
22 ];
23
24 const options = {
25   Loading: props => <span>loading...</span>,
26   loader() {
27     return import(`./${component}`)
28       .catch(e => import(`./${component}/index.js`));
29   }
30 }
31
32 export default mapRoutes(routes, options);
```

## 2.3 Statistics

Between 27/09/2017 and 26/09/2018 package has been downloaded **1283** times



## 3 color-re

### 3.1 About

color-re packages was created on **19/06/2018** and can be found [Github](#)

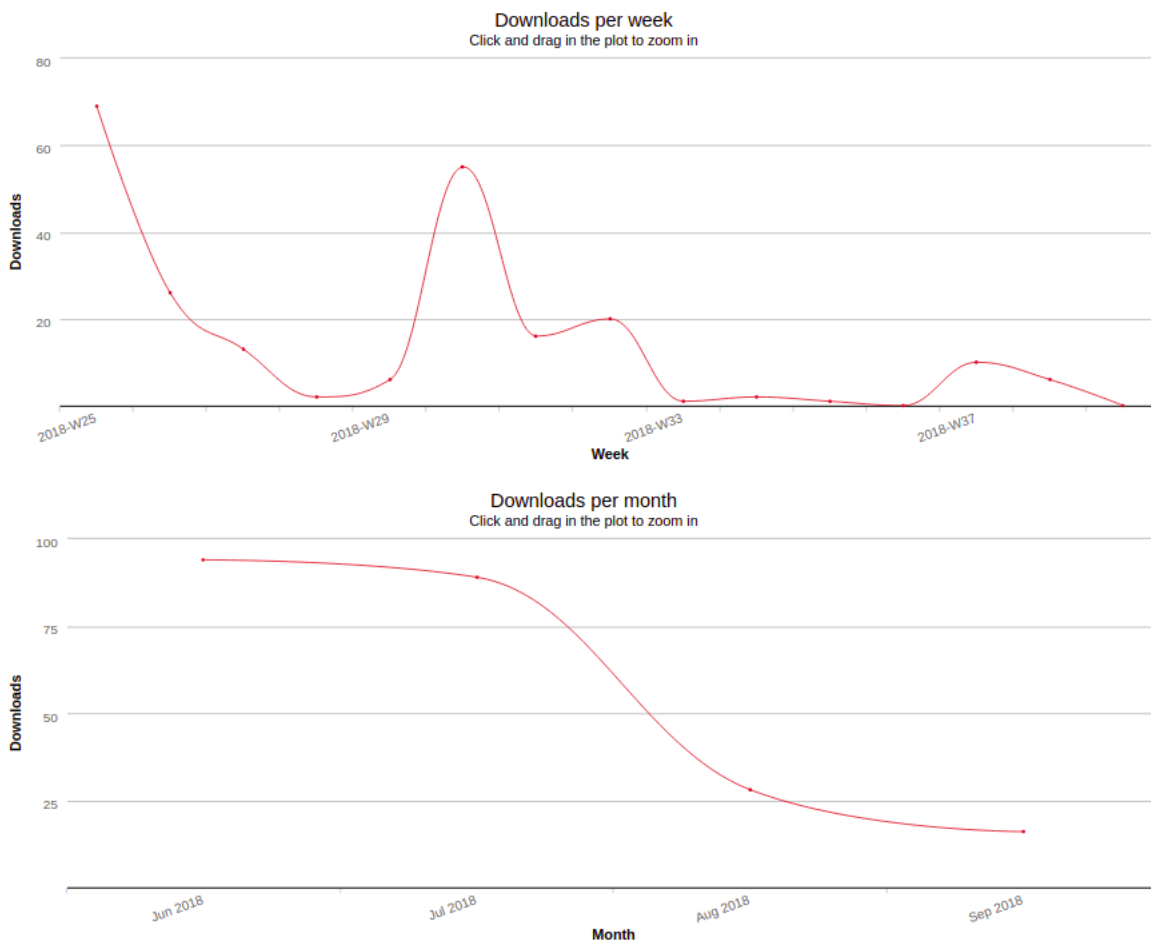
This package is a rework of [color](#) package in reason. It has 0 dependencies as well as only being 120K in size. Due to the package being written in reason, it's strongly typed, which prevents common runtime errors which are horrible to debug. It can be easily integrated with reason, javascript and ocaml projects, this allows for an easier code reuse between projects. I am currently the sole maintainer of the project. color-re package currently provides all core functionality required, so there is no need for maintenance.

### 3.2 Example usage

```
1 /* Change the opacity */
2 Color.(fromRgb((200, 200, 200)) |> opacity(1.5) |> toString) |> Js.log
3 Color.(fromRgb((200, 200, 200)) |> toHsl |> fade(0.5) |> toString) |> Js.log
4 Color.(fromRgb((200, 200, 200)) |> toHsl |> opaquer(0.4) |> toString) |> Js.log
5
6 /* Color conversions */
7 Color.(fromRgb((200, 200, 200)) |> toHex |> toHsl |> toHsv |> toString) |> Js.log
8
9 /* Color properties */
10 Color.(fromRgb((200, 200, 200)) |> luminosity) |> Belt.Option.getExn |> Js.log
11 Color.(fromRgb((200, 200, 200)) |> contrast(fromHex("#aaafff"))) |> Belt.Option.getExn |> Js.log
```

### 3.3 Statistics

Between 19/06/2018 and 26/09/2018 package has been downloaded **227** times



## 4 @atecake/builder

### 4.1 About

@atecake/builder was created on **11/09/2018** and can be found on [Github](#)

This package that helps to publish/develop javascript libraries. It simplifies build dependencies as well as makes it extremely easy to tag releases. While it allows starting with very simple configuration, it also allows for customisation. It has built in support for multiple file types used in web-development, which helps to cut down in number of dependencies. I am currently a sole maintainer of this project. It's still in an alpha stage and I plan to add better documentation as well as improving the performance and usability.

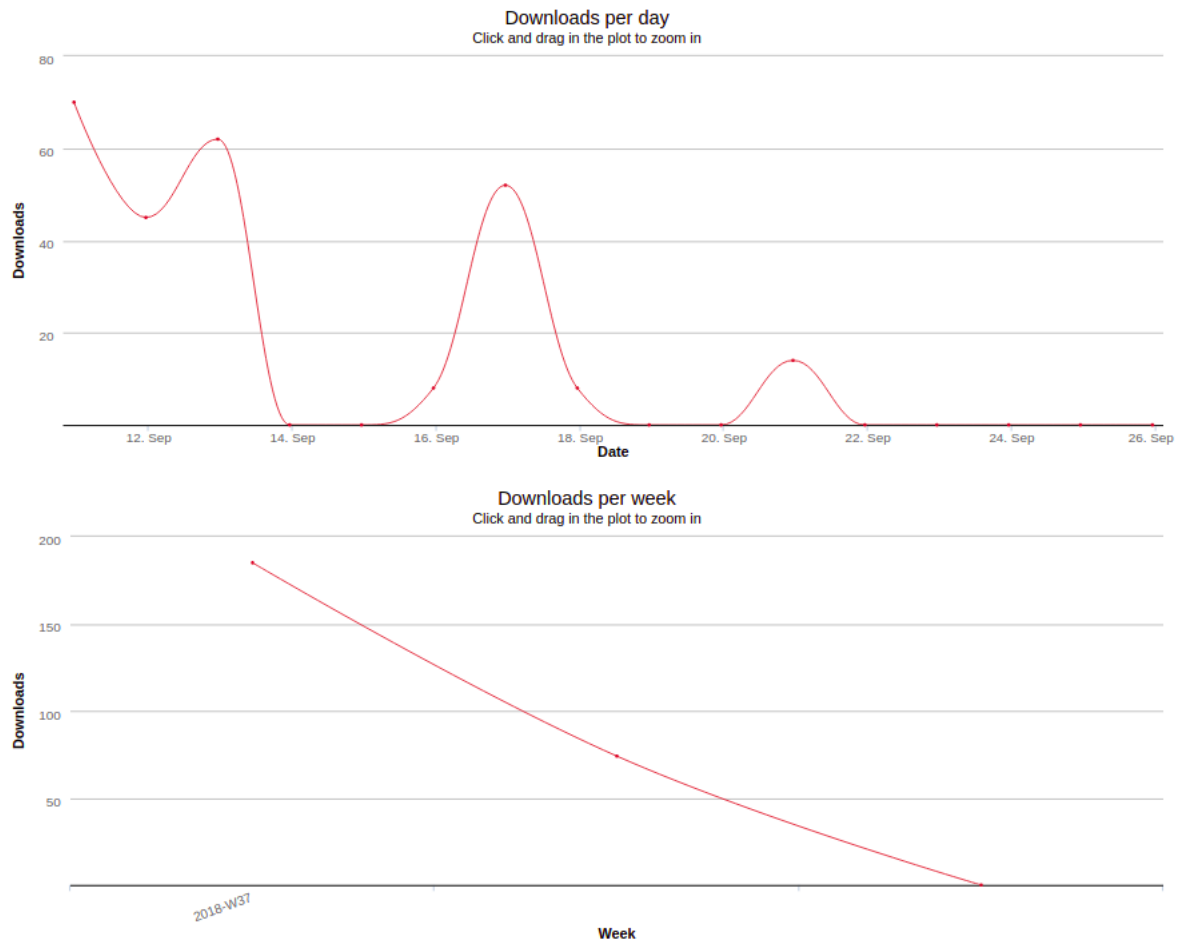
### 4.2 Example usage

```
1  const {
2    start,
3    devServer,
4    when,
5    bundle,
6    library,
7    configure,
8    customise,
9    tag,
10   tap,
11 } = require('@atecake/builder');
12
13 const pkg = require('./package.json');
14
15 start([
16   configure(),
17   when('build', [
18     bundle({ files: { input: 'src/index.js', output: pkg.main } }),
19     bundle({
20       files: { input: 'src/index.js', output: pkg.module },
21       build: { rollup: { format: 'esm' } },
22       action: Promise.resolve(),
23     }),
24     library({
25       files: { input: 'src', output: 'lib' },
26       build: { rollup: { format: 'cjs' } },
27       action: Promise.resolve(),
28     }),
29   ]),
30   when('start', [devServer()]),
31   when('tag', [tag()]),
32 ]);
```



### 4.3 Statistics

Between 11/09/2018 and 26/09/2018 package has been downloaded **259** times

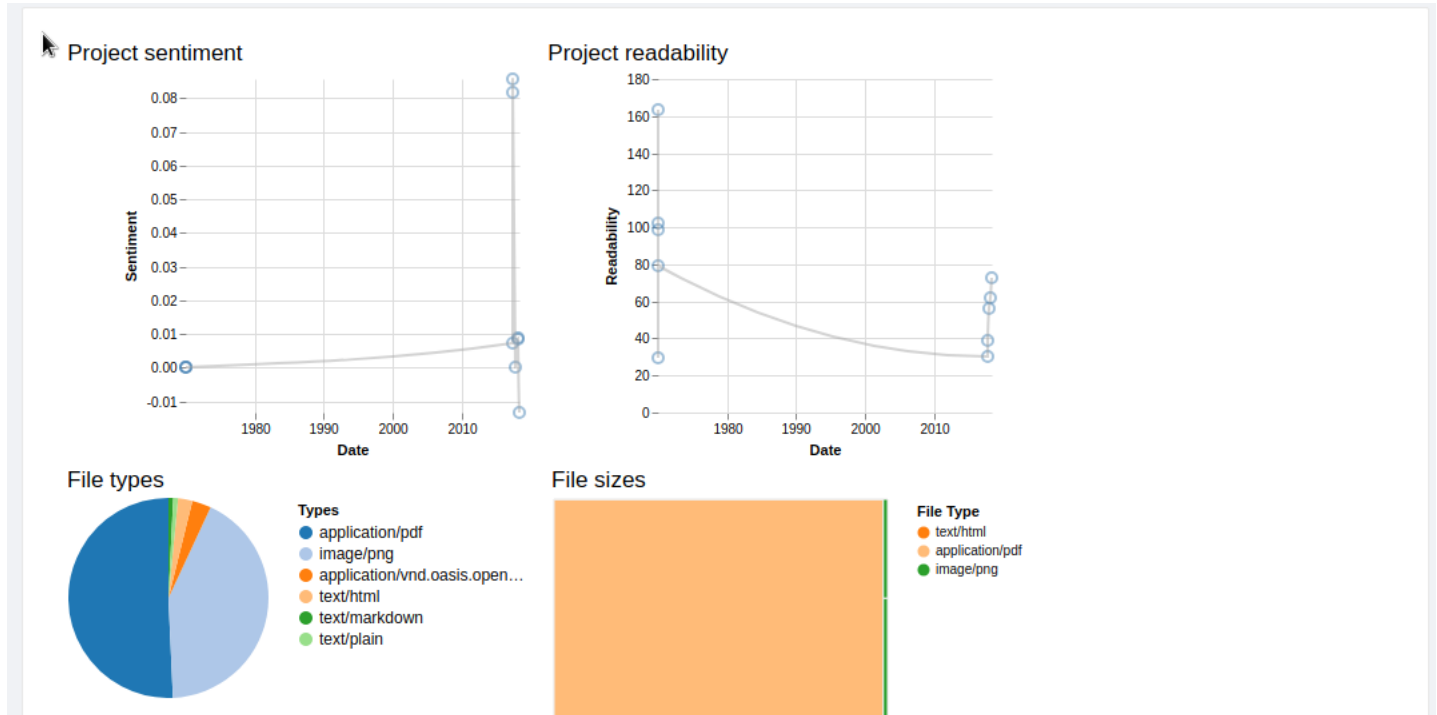


## 5 @spotlightdata/nanowire-extensions

### 5.1 About

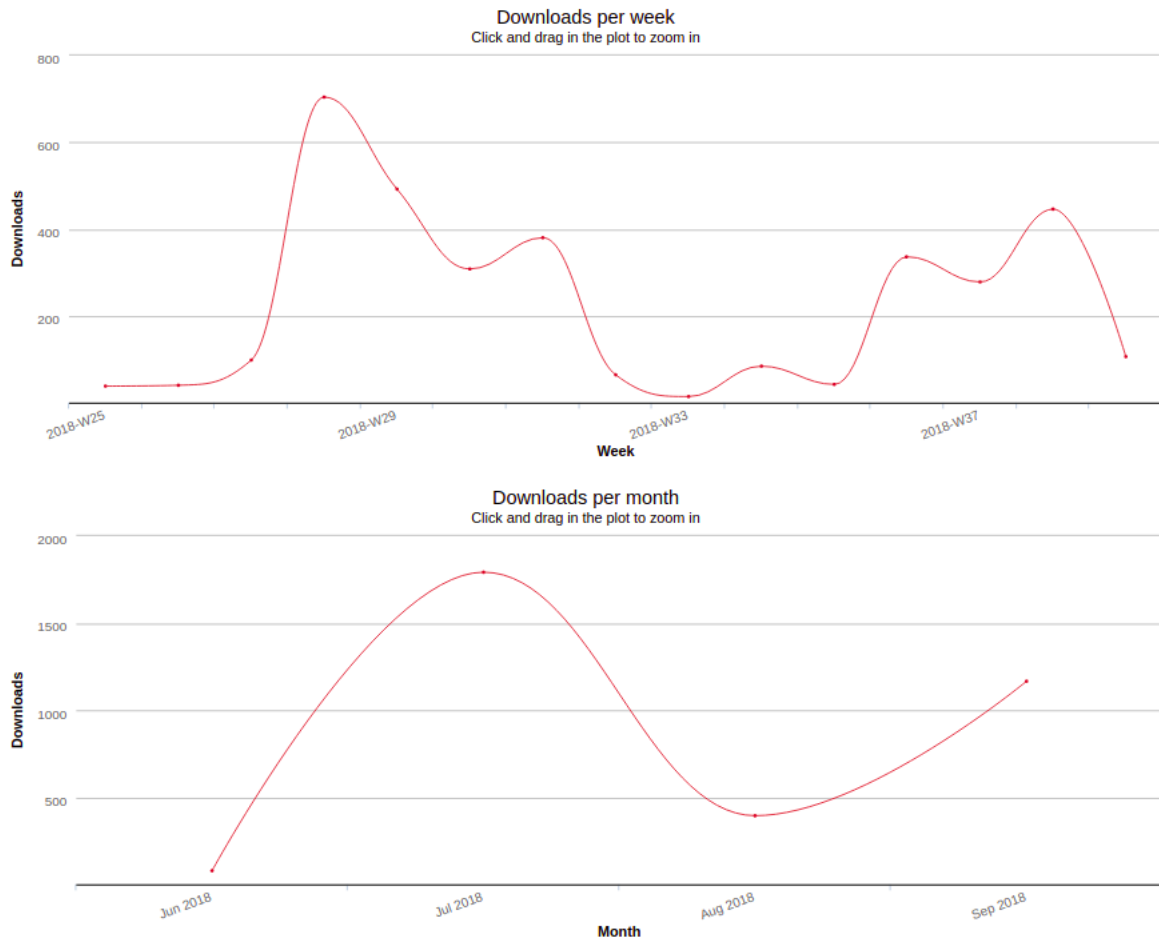
@spotlightdata/nanowire-extensions was created on **19/06/2018** and can be found on [Github](#). This is common component package built on top of [ant design](#). Due to the way the components and helper functions are structured, the library can be re-used across different platforms. The component separation has allowed each part to be documented as well tested, so that the developers only need to worry about the integration of components.

### 5.2 Example usage



## 5.3 Statistics

Between 19/06/2018 and 26/09/2018 package has been downloaded **3430** times



## 6 @spotlightdata/es-search

### 6.1 About

This project was created on **06/09/2018** and can be found on [Github](#)

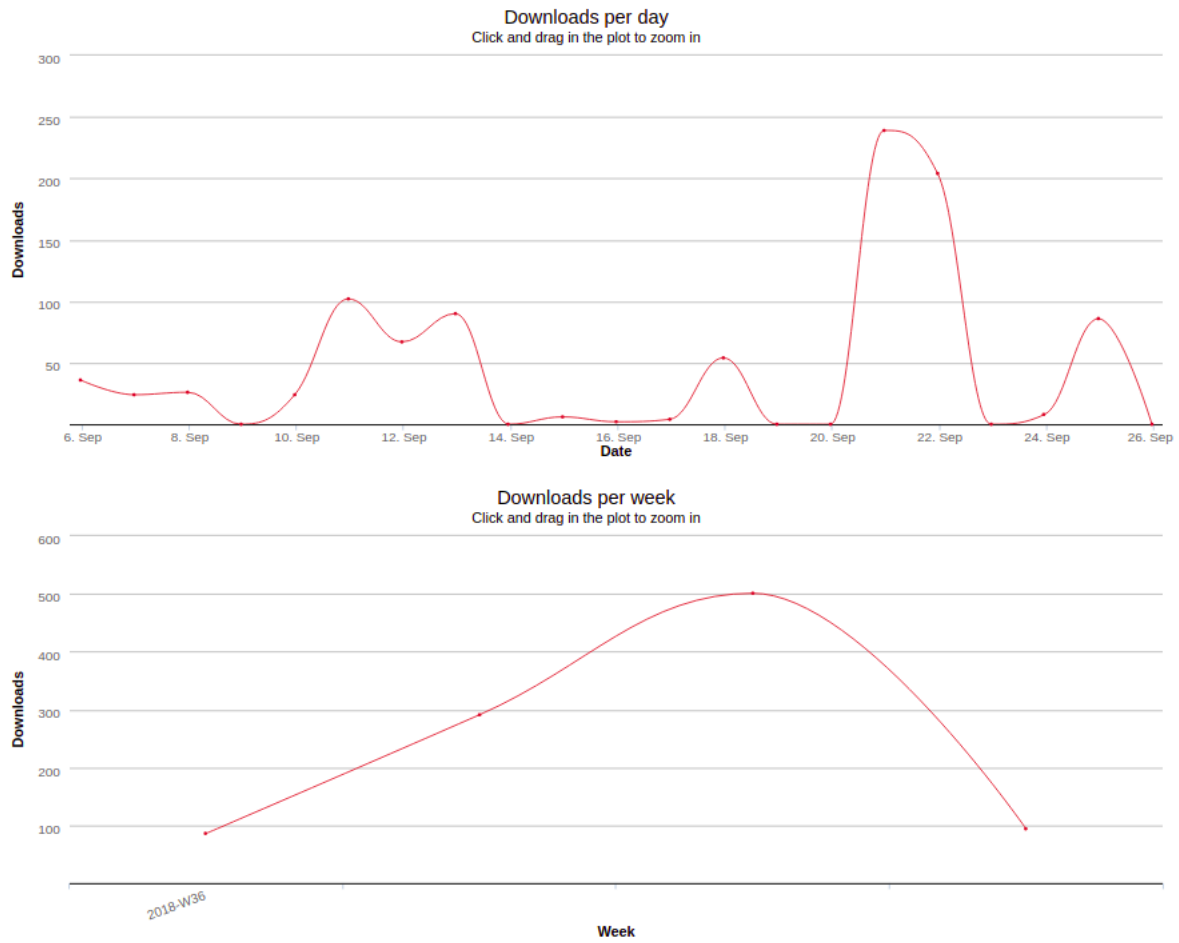
This package is a wrapper for comonly used searchkit components, It simplifies the usage of as well as fixes common searchkit library issues.

### 6.2 Example usage

The screenshot displays the user interface of the @spotlightdata/es-search application. At the top, there is a navigation bar with a hamburger menu icon, the text 'Projects / Initial', a user profile icon, and a settings gear icon. Below this is a secondary navigation bar with tabs for 'Summary', 'Search' (which is active), 'Group', and 'Jobs'. The main content area is divided into two columns. The left column contains a 'CLEAR ALL' button, a 'Create result analysis' button, and three active filters: 'found-currency-value | £1,299', 'spacy-Times | hours', and 'spacy-Events | 29th Nov 2017 to 28th Dec 2017'. Below these filters is a 'Search' section with a checked 'Exact phrase' option, an 'AND' dropdown, a 'Search text' input field, and an 'ADD' button. At the bottom of the left column, it shows '1 results found in 118ms' and a 'Relevance' dropdown. The right column features a vertical list of filter categories, each with a chevron icon: 'Timeline', 'found-email', 'found-currency-value', 'spacy-Law', 'spacy-Times', 'spacy-Measurements', 'found-phone-number', 'found-percent', and 'spacy-Percentages'.

## 6.3 Statistics

Between 06/09/2018 and 26/09/2018 package has been downloaded **972** times



## 7 @spotlightdata/document-viewer

### 7.1 About

This package was created on **22/08/2018** and can be found on [Github](#). This package is a fork of [react-lazylog](#). It uses fundamentals of the forked project, however its purpose is vastly different. It has been made to allow large files (up to 30mb in size) to be readable and dynamically loaded in the browser. It also features a fully functional text and positional entity search. **\*\*Documentation is still work in progress\*\***

### 7.2 Example usage

The screenshot displays the @spotlightdata/document-viewer interface. On the left, a document viewer shows a text document with line numbers 7 through 31. The text content includes sections like 'To do Coding well', 'Agreement on coding standards', 'The software quality team aim to make sure:', 'A good SE process is chosen for the project', 'All aspects of that SE process are all 'done well'', '3 principle concerns of SQM', 'Defining standards and procedures for the whole company', 'Check that projects conform to company standards, so that the', 'Help create project plans, so that the quality goals are set', 'This team is often call the Quality Assurance (QA) Team', 'Ideally this team should separate from development teams', 'Report to the managers above the project manager', 'QA : Four things', 'Planning for quality', 'Agreeing/Using standards', 'Inspecting for quality', 'Measuring quality', 'Quality planning', 'Sets the bar for the team to achieve. It means everyone know', 'therefore defines what 'high-quality' software actually means for', and 'Key sections of a quality plan document for a project.'.

On the right, a search sidebar is visible. It contains a list of search results with checkboxes and a 'Show all' link. The results are grouped into sections: 'spacy-Countries, cities and states', 'spacy-Structure', 'spacy-Products', and 'spacy-Times'. Each section has a toggle switch and a 'Show all' link. The 'spacy-Structure' section is expanded, showing 'Takeaway' with a count of 1. The 'spacy-Products' section is also expanded, showing 'Process' with a count of 1, '1' with a count of 1, '2 Inspection' with a count of 1, and 'Metrics' with a count of 1. The 'spacy-Times' section is expanded, showing 'around 2 hours' with a count of 1.

### 7.3 Statistics

Between 22/08/2018 and 26/09/2018 package has been downloaded **754** times

