

# sp-react-chartjs-2

## Create a new repository

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner: Haddley / Repository name: sp-react-chartjs-2 ✓

Great repository names are short and memorable. Need inspiration? How about **sturdy-potato**.

Description (optional): Makes Chart.js 2 features available to SharePoint users using react-chartjs-2 wrapper

☒ Public  
Anyone can see this repository. You choose who can commit.

☐ Private  
You choose who can see and commit to this repository.

☒ Initialize this repository with a README  
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

>git clone <https://github.com/Haddley/sp-react-chartjs-2.git>



```

Select Node.js command prompt
> node lib/post_install.js

> node-sass@4.9.3 postinstall c:\Projects\sp-react-chartjs-2\node_modules\node-sass
> node scripts/build.js

Binary found at c:\Projects\sp-react-chartjs-2\node_modules\node-sass\vendor\win32-x64-57\binding.node
Testing binary
Binary is fine
npm notice created a lockfile as package-lock.json. You should commit this file.
npm WARN ajv-keywords@3.2.0 requires a peer of ajv@^6.0.0 but none is installed. You must install peer dependencies your
self.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: wanted {"os":"darwin","arch":"any
"} (current: {"os":"win32","arch":"x64"})

added 1874 packages in 97.439s

_+#####!
#####|
###/  (##) (@) |
###/  /###  \ |
#####  ##|  / |
#####  /##| (@) |
#####|
**+#####!

      Congratulations!
      Solution sp-react-chartjs-2 is created.
      Run gulp serve to play with it!

c:\Projects>
```

>git status

```

Node.js command prompt

c:\Projects>cd sp-react-chartjs-2

c:\Projects\sp-react-chartjs-2>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   README.md

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        .editorconfig
        .gitignore
        .vscode/
        .yo-rc.json
        config/
        gulpfile.js
        package-lock.json
        package.json
        src/
        tsconfig.json

no changes added to commit (use "git add" and/or "git commit -a")
c:\Projects\sp-react-chartjs-2>
```

>git add .

```
yo
c:\Projects\sp-react-chartjs-2>git add .
warning: LF will be replaced by CRLF in .editorconfig.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in .yo-rc.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in config/config.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in config/package-solution.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in config/serve.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in package-lock.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in package.json.
The file will have its original line endings in your working directory.

c:\Projects\sp-react-chartjs-2>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        new file:   .editorconfig
        new file:   .gitignore
        new file:   .vscode/extensions.json
        new file:   .vscode/launch.json
        new file:   .vscode/settings.json
```

>yo @microsoft/sharepoint

```
Select Node.js command prompt
.vscode/
.yo-rc.json
config/
gulpfile.js
package-lock.json
package.json
src/
tsconfig.json

no changes added to commit (use "git add" and/or "git commit -a")

c:\Projects\sp-react-chartjs-2>git add .
warning: LF will be replaced by CRLF in .editorconfig.
The file will have its original line endings in your working directory.
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warning: LF will be replaced by CRLF in .yo-rc.json.
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The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in package.json.
The file will have its original line endings in your working directory.

c:\Projects\sp-react-chartjs-2>
```

```
yo
new file: src/webparts/lineChart/components/ILineChartProps.ts
new file: src/webparts/lineChart/components/LineChart.module.scss
new file: src/webparts/lineChart/components/LineChart.tsx
new file: src/webparts/lineChart/loc/en-us.js
new file: src/webparts/lineChart/loc/mystrings.d.ts
new file: tsconfig.json

c:\Projects\sp-react-chartjs-2>yo @microsoft/sharepoint

  Welcome to the
  SharePoint Client-side
  Solution Generator

? Which type of client-side component to create? WebPart
Add new Web part to solution sp-react-chartjs-2.
? What is your Web part name? Doughnut Chart
? What is your Web part description? Doughnut Chart (chartjs.org)
? Which framework would you like to use?
  No JavaScript framework
> React
  Knockout
```

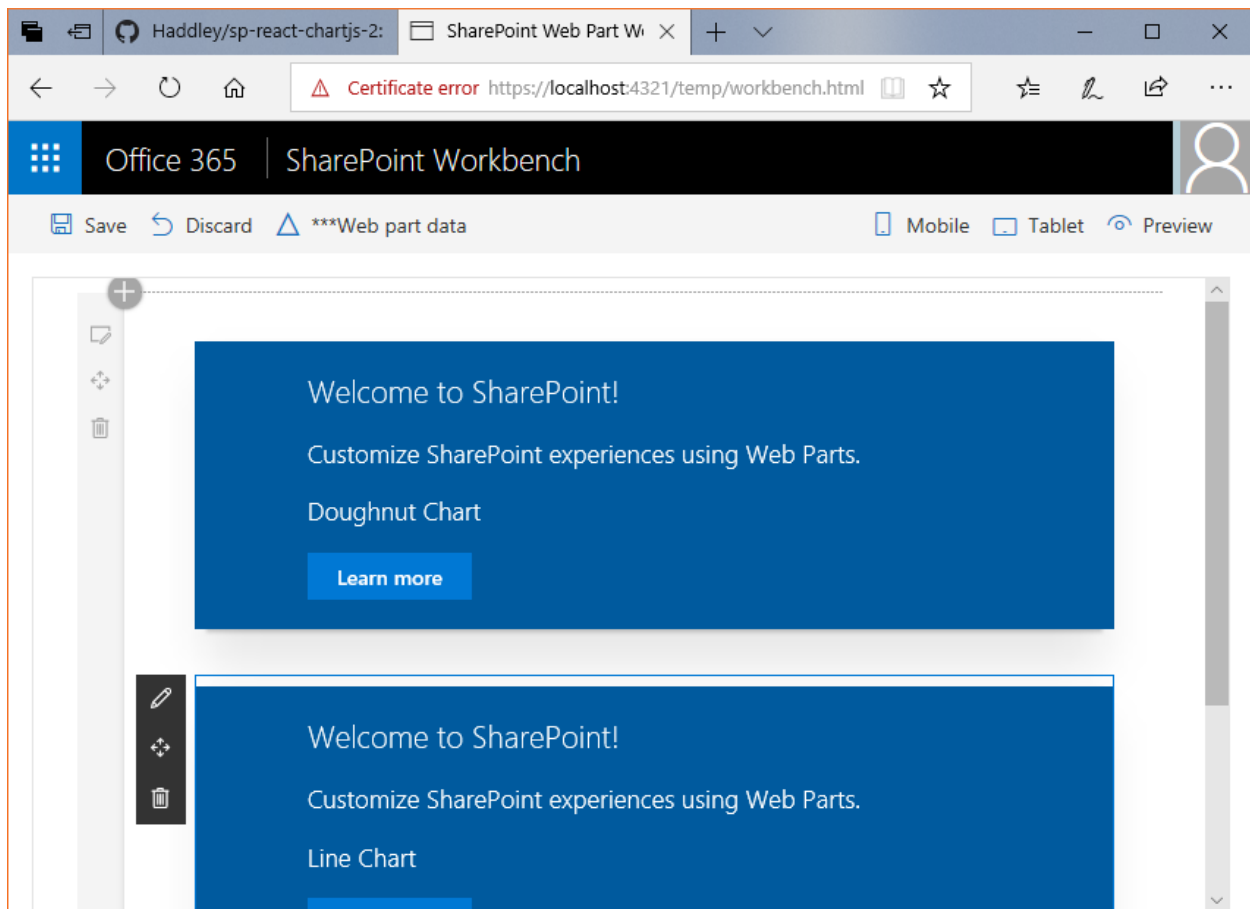
```
Node.js command prompt
force config\config.json
force config\serve.json
force config\package-solution.json
create src\webparts\doughnutChart\components\IDoughnutChartProps.ts
create src\webparts\doughnutChart\components\DoughnutChart.module.scss
create src\webparts\doughnutChart\components\DoughnutChart.tsx
create src\webparts\doughnutChart\DoughnutChartWebPart.ts
create src\webparts\doughnutChart\loc\en-us.js
create src\webparts\doughnutChart\loc\mystrings.d.ts
create src\webparts\doughnutChart\DoughnutChartWebPart.manifest.json
npm WARN ajv-keywords@3.2.0 requires a peer of ajv@^6.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: wanted {"os":"darwin","arch":"x64"} (current: {"os":"win32","arch":"x64"})

up to date in 16.212s

  Congratulations!
  Solution sp-react-chartjs-2 is created.
  Run gulp serve to play with it!

c:\Projects\sp-react-chartjs-2>
```

>gulp serve



>npm i react-chartjs-2

```

Node.js command prompt
Request: '/temp/workbench-packages/react-dom/dist/react-dom.js'
Request: '/node_modules/@microsoft/office-ui-fabric-react-bundle/dist/office-ui-fabric-react-bundle.js'
Request: '/node_modules/@microsoft/sp-webpart-base/dist/sp-webpart-base_en-us.js'
Request: '/node_modules/@microsoft/sp-webpart-workbench/dist/sp-webpart-workbench_en-us.js'
Request: '/node_modules/@microsoft/sp-webpart-workbench/dist/3.3_0cbb2a75e01e6db813d8.js'
Request: '/node_modules/@microsoft/sp-webpart-workbench/dist/2.toolbox_22eed92addc729e76f15.js'
Request: '/lib/webparts/doughnutChart/loc/en-us.js'
Request: '/dist/doughnut-chart-web-part.js'
Request: '/node_modules/@microsoft/sp-component-base/dist/0.0_670f72e239a57b96b775.js'
Request: '/lib/webparts/lineChart/loc/en-us.js'
Request: '/dist/line-chart-web-part.js'
[18:15:11] Server stopped
About to exit with code: 0
Process terminated before summary could be written, possible error in async code not continuing!
Trying to exit with exit code 1
Terminate batch job (Y/N)? y

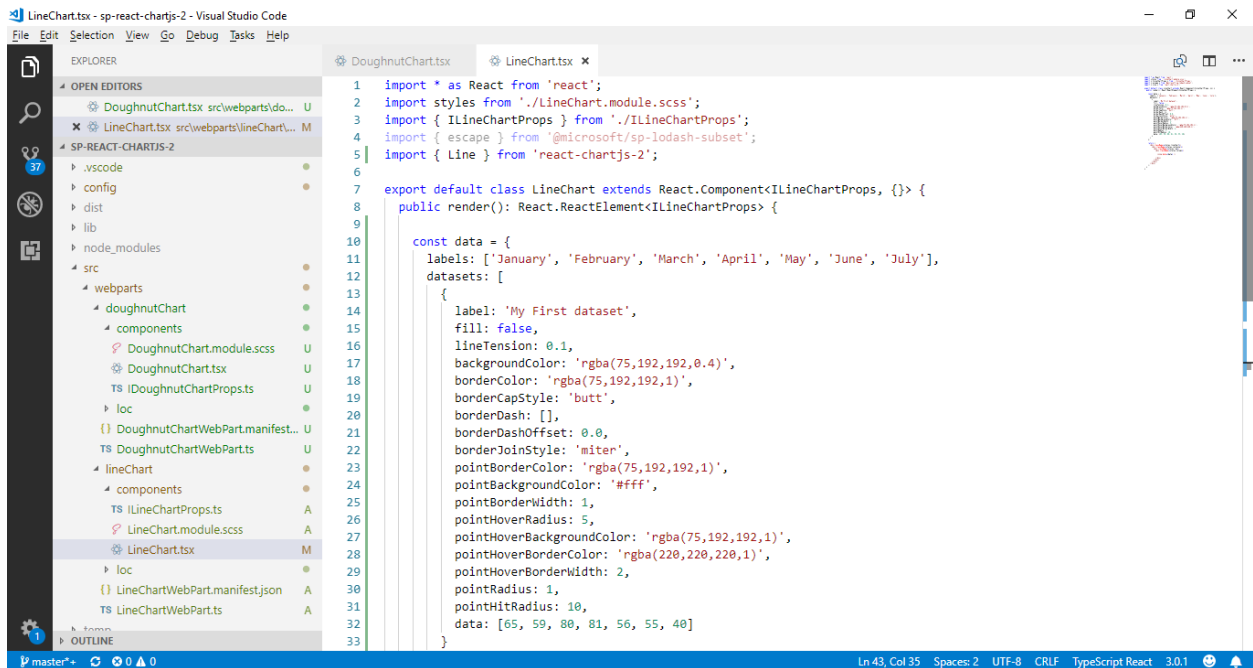
c:\Projects\sp-react-chartjs-2>npm i react-chartjs-2
npm WARN ajv-keywords@3.2.0 requires a peer of ajv@^6.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN react-chartjs-2@2.7.4 requires a peer of chart.js@^2.3 but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: wanted {"os":"darwin","arch":"x64"} (current: {"os":"win32","arch":"x64"})

+ react-chartjs-2@2.7.4
added 2 packages in 16.869s

c:\Projects\sp-react-chartjs-2>

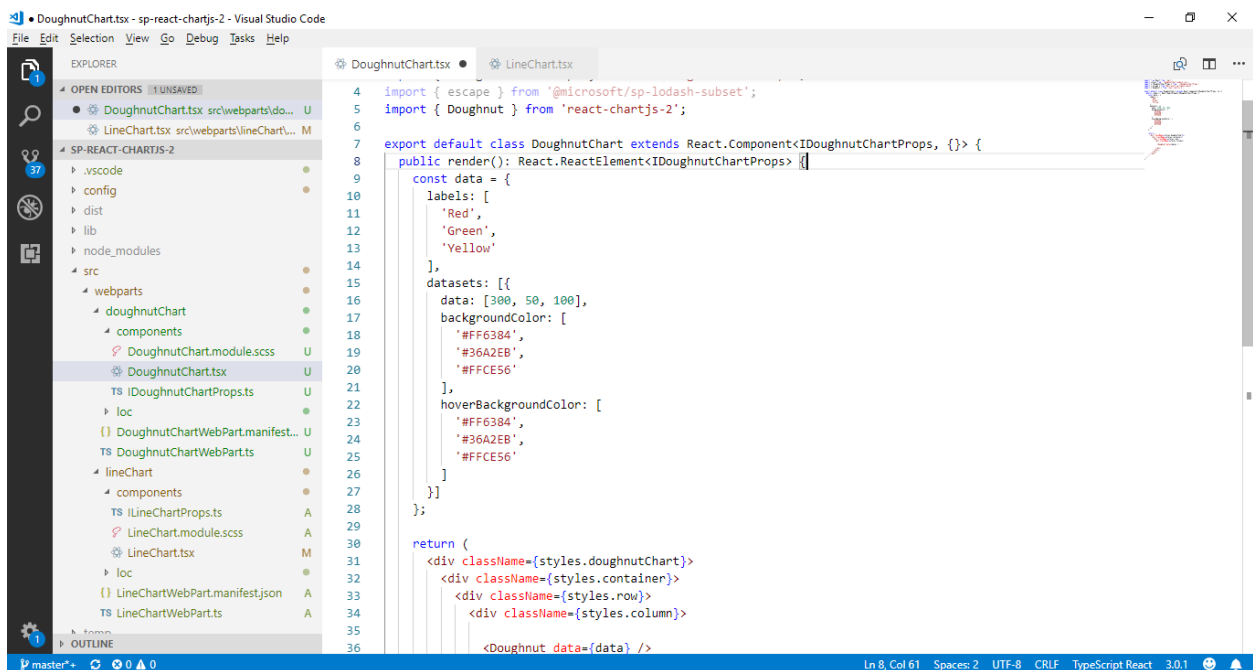
```

<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/line.js>



```
1 import * as React from 'react';
2 import styles from './LineChart.module.scss';
3 import { ILineChartProps } from './ILineChartProps';
4 import { escape } from '@microsoft/sp-lodash-subset';
5 import { Line } from 'react-chartjs-2';
6
7 export default class LineChart extends React.Component<ILineChartProps, {}> {
8   public render(): React.ReactElement<ILineChartProps> {
9
10    const data = {
11      labels: ['January', 'February', 'March', 'April', 'May', 'June', 'July'],
12      datasets: [
13        {
14          label: 'My First dataset',
15          fill: false,
16          lineTension: 0.1,
17          backgroundColor: 'rgba(75,192,192,0.4)',
18          borderColor: 'rgba(75,192,192,1)',
19          borderCapStyle: 'butt',
20          borderDash: [],
21          borderDashOffset: 0.0,
22          borderJoinStyle: 'miter',
23          pointBorderColor: 'rgba(75,192,192,1)',
24          pointBackgroundColor: '#fff',
25          pointBorderWidth: 1,
26          pointHoverRadius: 5,
27          pointHoverBackgroundColor: 'rgba(75,192,192,1)',
28          pointHoverBorderColor: 'rgba(220,220,220,1)',
29          pointHoverBorderWidth: 2,
30          pointRadius: 1,
31          pointHitRadius: 10,
32          data: [65, 59, 80, 81, 56, 55, 40]
33        }
34      ]
35    };
36
37    return (
38      <div className={styles.container}>
39        <div className={styles.row}>
40          <div className={styles.column}>
41            <Line data={data} />
42          </div>
43        </div>
44      </div>
45    );
46  }
47 }
```

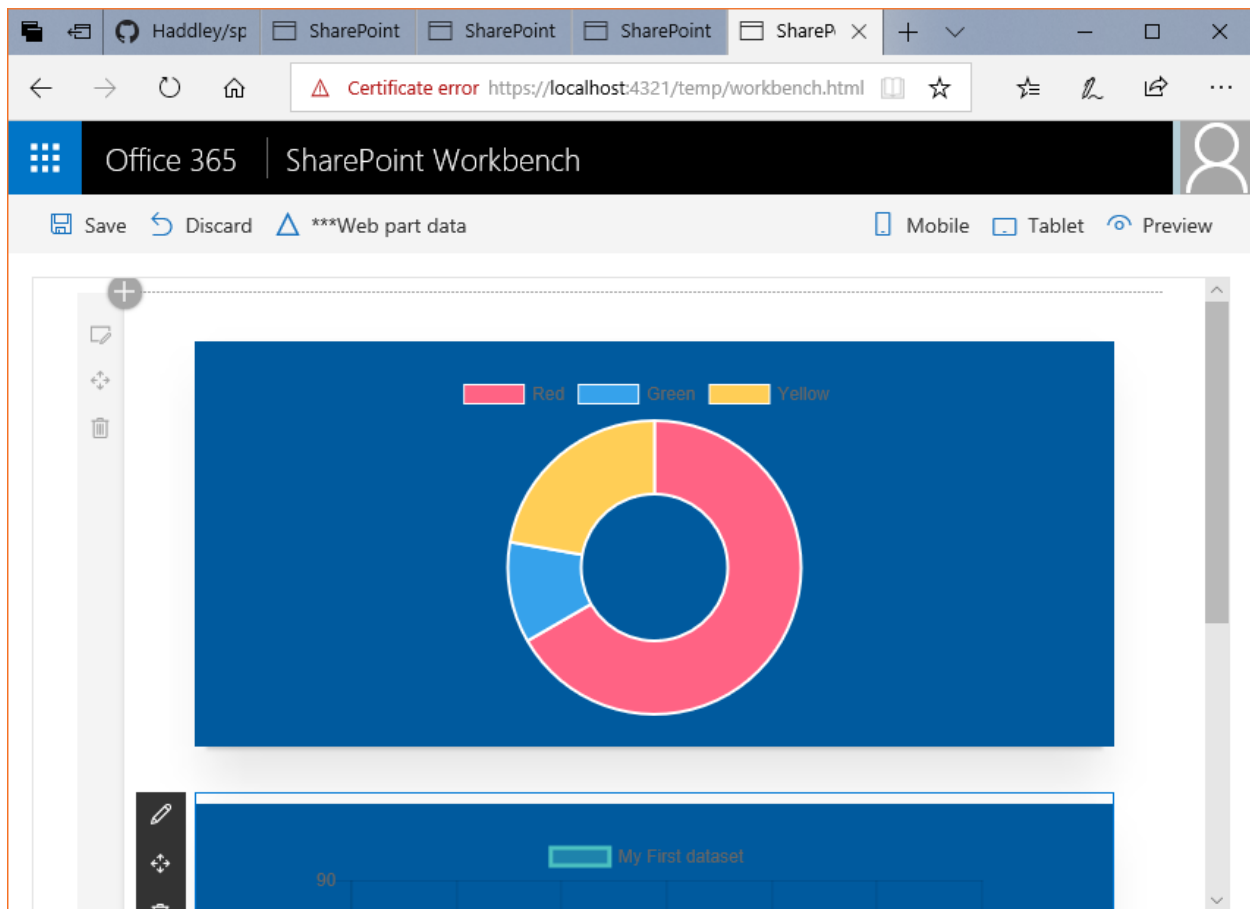
<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/doughnut.js>



```
4 import { escape } from '@microsoft/sp-lodash-subset';
5 import { Doughnut } from 'react-chartjs-2';
6
7 export default class DoughnutChart extends React.Component<IDoughnutChartProps, {}> {
8   public render(): React.ReactElement<IDoughnutChartProps> {
9
10    const data = {
11      labels: [
12        'Red',
13        'Green',
14        'Yellow'
15      ],
16      datasets: [
17        {
18          data: [300, 50, 100],
19          backgroundColor: [
20            '#FF6384',
21            '#36A2EB',
22            '#FFCE56'
23          ],
24          hoverBackgroundColor: [
25            '#FF6384',
26            '#36A2EB',
27            '#FFCE56'
28          ]
29        }
30      ]
31    };
32
33    return (
34      <div className={styles.doughnutChart}>
35        <div className={styles.container}>
36          <div className={styles.row}>
37            <div className={styles.column}>
38              <Doughnut data={data} />
39            </div>
40          </div>
41        </div>
42      </div>
43    );
44  }
45 }
```

>npm install react-chartjs-2 chart.js --save

>gulp serve



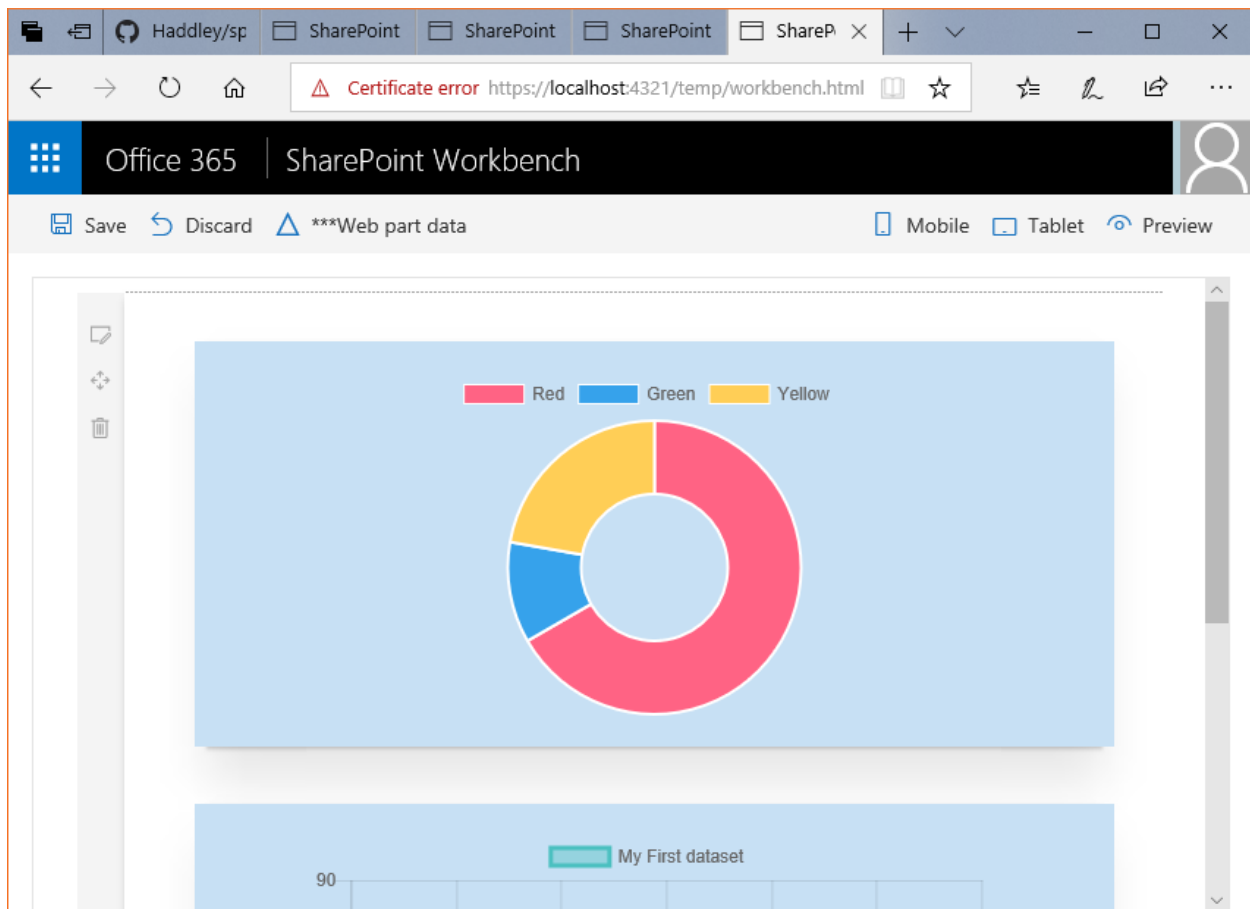
DoughnutChart.module.scss - sp-react-charts-2 - Visual Studio Code

```
File Edit Selection View Go Debug Tasks Help

EXPLORER
  OPEN EDITORS
    DoughnutChart.tsx src/webparts/do... U
    DoughnutChart.module.scss src/we... U
    LineChart.tsx src/webparts/lineChart... M
  SP-REACT-CHARTS-2
    .vscode
    config
    dist
    lib
    node_modules
    src
      webparts
        doughnutChart
          components
            DoughnutChart.module.scss U
            DoughnutChart.tsx U
            IDoughnutChartProps.ts U
            loc
            DoughnutChartWebPart.manifest... U
            DoughnutChartWebPart.ts U
          lineChart
            components
              LineChartProps.ts A
              LineChart.module.scss A
              LineChart.tsx M
              loc
              LineChartWebPart.manifest.json A
              LineChartWebPart.ts A
    OUTLINE
      master+ 0 0 0

DoughnutChart.tsx
  6 margin: 0px auto;
  7 box-shadow: 0 2px 4px 0 rgba(0, 0, 0, 0.2), 0 25px 50px 0 rgba(0, 0, 0, 0.1);
  8 }
  9
  10 .row {
  11   @include ms-Grid-row;
  12   @include ms-fontColor-white;
  13   background-color: $ms-color-themeLight;
  14   padding: 20px;
  15 }
  16
  17 .column {
  18   @include ms-Grid-col;
  19   @include ms-lg10;
  20   @include ms-xl8;
  21   @include ms-xlPush2;
  22   @include ms-lgPush1;
  23 }
  24
  25 .title {
  26   @include ms-font-xl;
  27   @include ms-fontColor-white;
  28 }
  29
  30 .subTitle {
  31   @include ms-font-l;
  32   @include ms-fontColor-white;
  33 }
  34
  35 .description {
  36   @include ms-font-l;
  37   @include ms-fontColor-white;
  38 }
```





<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/bar.js>

<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/bubble.js>

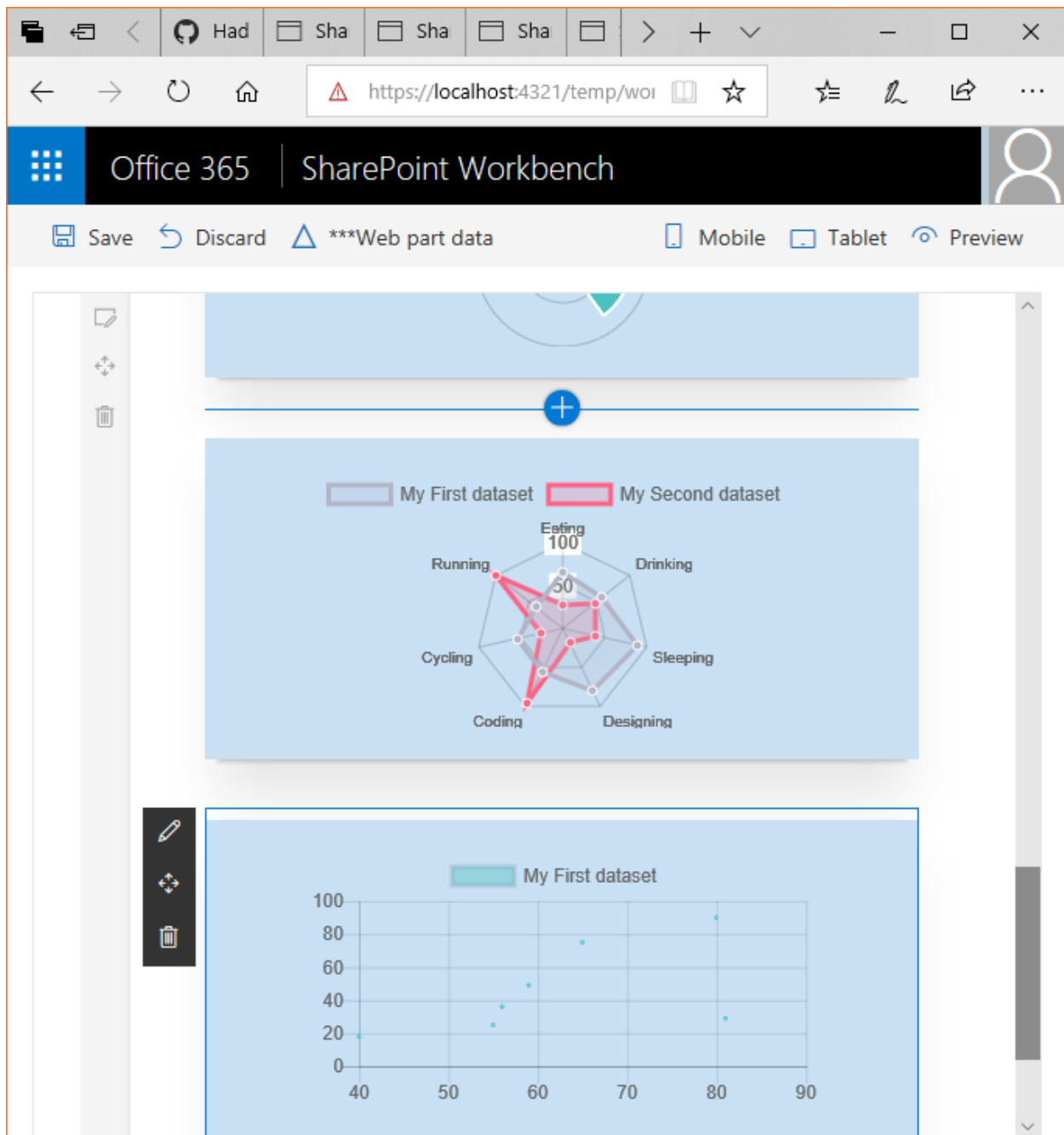
<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/horizontalBar.js>

<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/pie.js>

<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/polar.js>

<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/radar.js>

<https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/scatter.js>



```
Node.js command prompt

new file:   src/webparts/lineChart/components/LineChart.tsx
new file:   src/webparts/lineChart/loc/en-us.js
new file:   src/webparts/lineChart/loc/mystrings.d.ts
new file:   tsconfig.json

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   .yo-rc.json
        modified:   config/config.json
        modified:   package-lock.json
        modified:   package.json
        modified:   src/webparts/lineChart/components/LineChart.module.scss
        modified:   src/webparts/lineChart/components/LineChart.tsx

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        src/webparts/barChart/
        src/webparts/bubbleChart/
        src/webparts/doughnutChart/
        src/webparts/horizontalBarChart/
        src/webparts/pieChart/
        src/webparts/polarChart/
        src/webparts/radarChart/
        src/webparts/scatterChart/

c:\Projects\sp-react-chartjs-2>
```

```
Node.js command prompt

c:\Projects\sp-react-chartjs-2>git add .
warning: LF will be replaced by CRLF in .yo-rc.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in config/config.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in package-lock.json.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in package.json.
The file will have its original line endings in your working directory.

c:\Projects\sp-react-chartjs-2>git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        new file:   .editorconfig
        new file:   .gitignore
        new file:   .vscode/extensions.json
        new file:   .vscode/launch.json
        new file:   .vscode/settings.json
        new file:   .yo-rc.json
        modified:   README.md
        new file:   config/config.json
        new file:   config/copy-assets.json
        new file:   config/deploy-azure-storage.json
        new file:   config/package-solution.json
        new file:   config/serve.json
        new file:   config/tslint.json
```

>git commit -m "initial commit"

>git push origin master