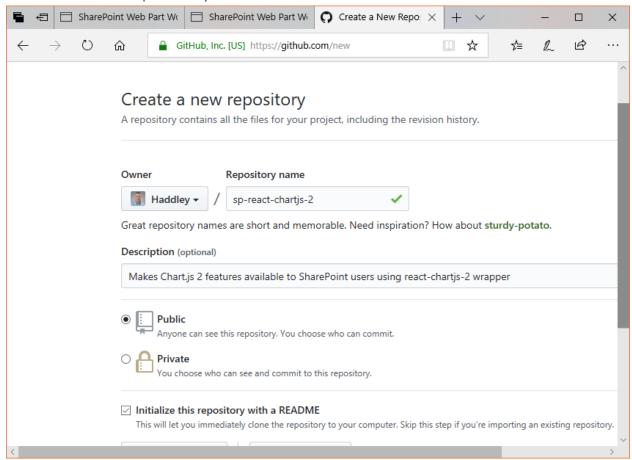
sp-react-chartjs-2

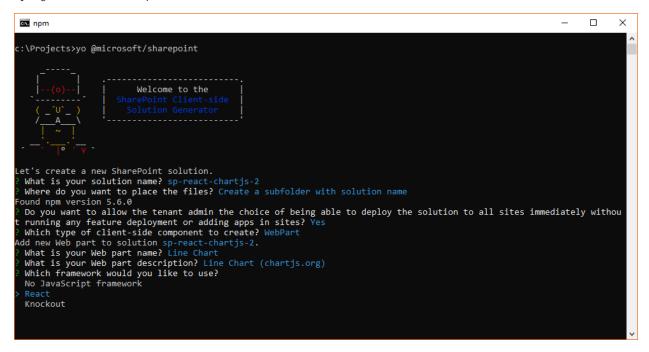
Create a new repository



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

```
C:\Projects>git clone https://github.com/Haddley/sp-react-chartjs-2.git
Cloning into 'sp-react-chartjs-2'...
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
c:\Projects>
```

>yo @microsoft/sharepoint



```
Select Node.js command prompt
                                                                                                                                                        \times
  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
ornary is the morning morning and a 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.
 pum 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"})
npm
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

```
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 .

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

>yo @microsoft/sharepoint

```
.vscode/
.vo-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")

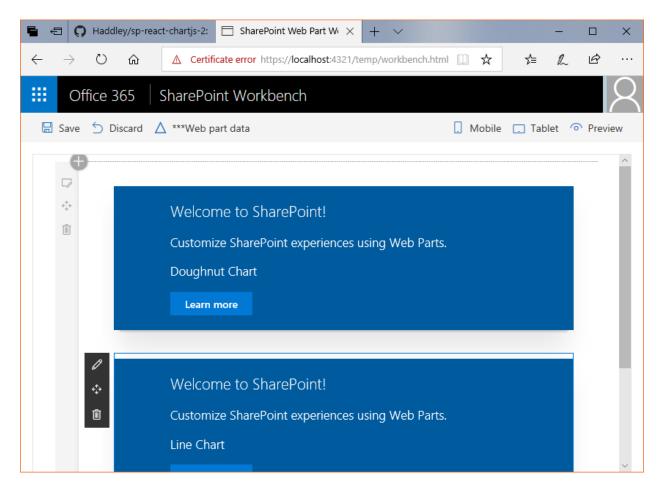
c:\Projects\sp-react-chartjs-2>git add .
warning: LF will be replaced by CRLF in .editorconfig.
The file will have its original line endings in your working directory.
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory.
warning: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

```
Mode.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
WARN ajv-keywords@3.2.0 requires a peer of ajv@^6.0.0 but none is installed. You must install peer dependen
self.
 warn optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\fsevents):

pm warn notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: wanted {"os":"darwin","a

() (current: {"os":"win32","arch":"x64"})
npm
up to date in 16.212s
   _=+####!
                                                   Congratulations!
                                   Solution sp-react-chartjs-2 is created.
Run gulp serve to play with it!
   ### #####
:\Projects\sp-react-chartjs-2>
```

>gulp serve



>npm i react-chartjs-2

```
Mode.js command prompt
                         /node_modules/@microsoft/office-ui-fabric-react-bundle/dist/office-ui-fabric-react-bundle.js'
/node_modules/@microsoft/sp-webpart-base/dist/sp-webpart-base_en-us.js'
/node_modules/@microsoft/sp-webpart-workbench/dist/sp-webpart-workbench_en-us.js'
/node_modules/@microsoft/sp-webpart-workbench/dist/3.3_0cbb2a75e01e6db813d8.js'
/node_modules/@microsoft/sp-webpart-workbench/dist/2.toolbox_22eed92addc729e76f15.js'
/lib/webparts/doughnutChart/loc/en-us.js'
/dist/doughnut-chart-web-part.js'
/node_modules/@microsoft/sp-component-base/dist/0.0_670f72e239a57b96b775.js'
/lib/webparts/linechart/loc/en-us.js'
/dist/line-chart-web-part.js'
/dist/line-chart-web-part.js'
    Request:
    Request:
    Request:
    Request:
    Reauest:
    Request:
    Request:
    Request:
    Request:
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
              🚻 ajv-keywords@3.2.0 requires a peer of ajv@^6.0.0 but none is installed. You must install peer dependen
                  react-chartjs-2@2.7.4 requires a peer of chart.js@^2.3 but none is installed. You must install peer de
     m <mark>WARN</mark> optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.4 (node_modules\fsevents):
m <mark>WARN</mark> notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.4: wanted {"os":"darwin","a
(current: {"os":"win32","arch":"x64"})
   react-chartjs-2@2.7.4
 added 2 packages in 16.869s
```

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

```
▲ LineChart.tsx - sp-react-chartis-2 - Visual Studio Code
                                                                                                                                                                                                          <u>File Edit Selection View Go Debug Tasks Help</u>
                                                        ☼ DoughnutChart.tsx
☼ LineChart.tsx
                                                                                                                                                                                                         Ŕ II ...
 0
                                                                import * as React from 'react';
import styles from './LineChart.module.scss';

▲ OPEN EDITORS

  Q

    ⊕ DoughnutChart.tsx src\webparts\do… U

                                                                import { ILineChartProps } from './ILineChartProps';
import { escape } from '@microsoft/sp.lodash.subset'
          🗙 🕾 LineChart.tsx src\webparts\lineChart\... M
         ▲ SP-REACT-CHARTJS-2
                                                           5 import { Line } from 'react-chartjs-2';
          .vscode
                                                                 export default class LineChart extends React.Component<ILineChartProps, {}> {
          ▶ config
 8
                                                                   public render(): React.ReactElement<ILineChartProps> {
                                                          10
11
                                                                     const data = {
    labels: ['January', 'February', 'March', 'April', 'May', 'June', 'July'],
 ¢
          ▶ node_modules
          4 src
                                                                        datasets: [
                                                          12
13

■ webparts

                                                                            label: 'My First dataset',
fill: false,
lineTension: 0.1,
backgroundColor: 'rgba(75,192,192,0.4)',

■ doughnutChart

                                                          15
               PoughnutChart.module.scss U
                 ☼ DoughnutChart.tsx
                                                          18
                                                                            borderColor: 'rgba(75,192,192,1)',
borderCapStyle: 'butt',
                 TS IDoughnutChartProps.ts
               ▶ loc
                                                                             borderDash: [],
               {} DoughnutChartWebPart.manifest... U
                                                                             borderDashOffset: 0.0,
               TS DoughnutChartWebPart.ts U
                                                                            borderJoinStyle: 'miter',
pointBorderColor: 'rgba(75,192,192,1)',
pointBackgroundColor: '#fff',
                                                          22

▲ lineChart

                                                          24

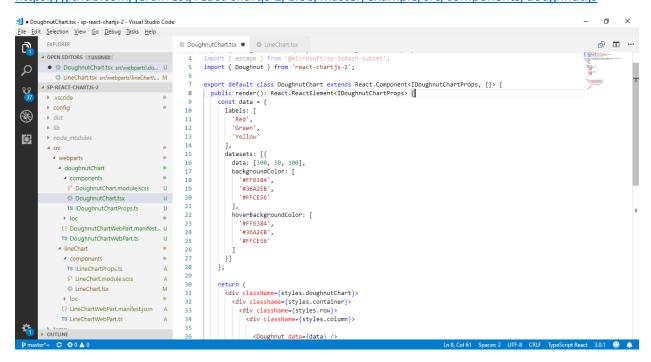
▲ components

                                                                             pointBorderWidth: 1,
                 TS ILineChartProps.ts
                                                          26
27
28
                                                                             pointHoverRadius: 5,

    LineChart.module.scss

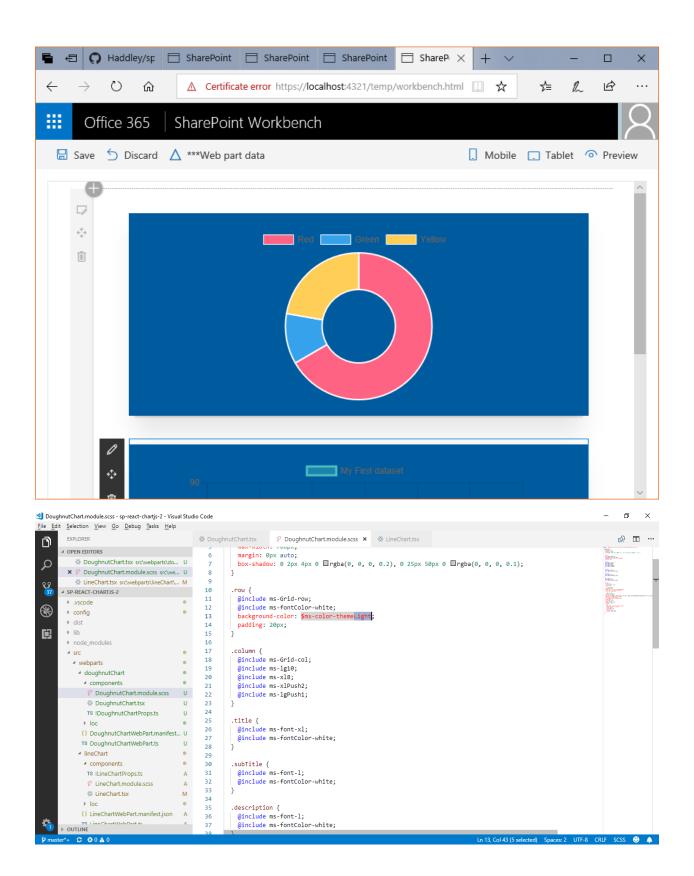
                                                                            pointHoverBackgroundColor: 'rgba(75,192,192,1)',
pointHoverBorderColor: 'rgba(220,220,220,1)',
                ⇔ LineChart.tsx M
                ▶ loc
                                                                             pointHoverBorderWidth: 2,
               {} LineChartWebPart.manifest.json A
                                                                             pointRadius: 1,
                                                          31
32
                                                                             pointHitRadius: 10,
               TS LineChartWebPart.ts
                                                                             data: [65, 59, 80, 81, 56, 55, 40]
                                                                                                                                                    n 43. Col 35 Spaces: 2 UTF-8 CRLF TypeScript React 3.0.1 C
```

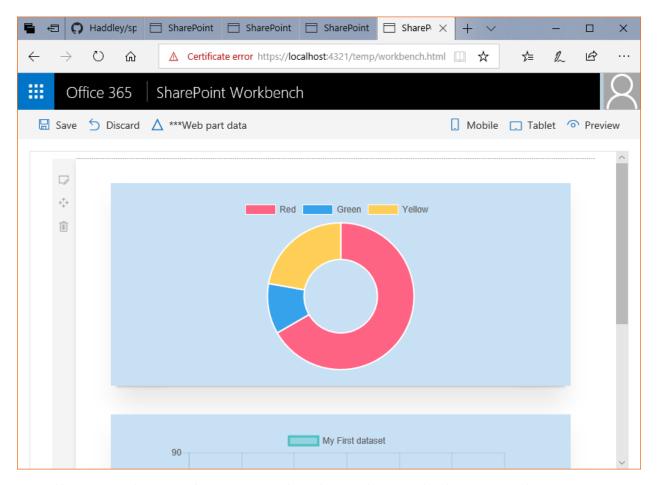
https://github.com/jerairrest/react-chartjs-2/blob/master/example/src/components/doughnut.js



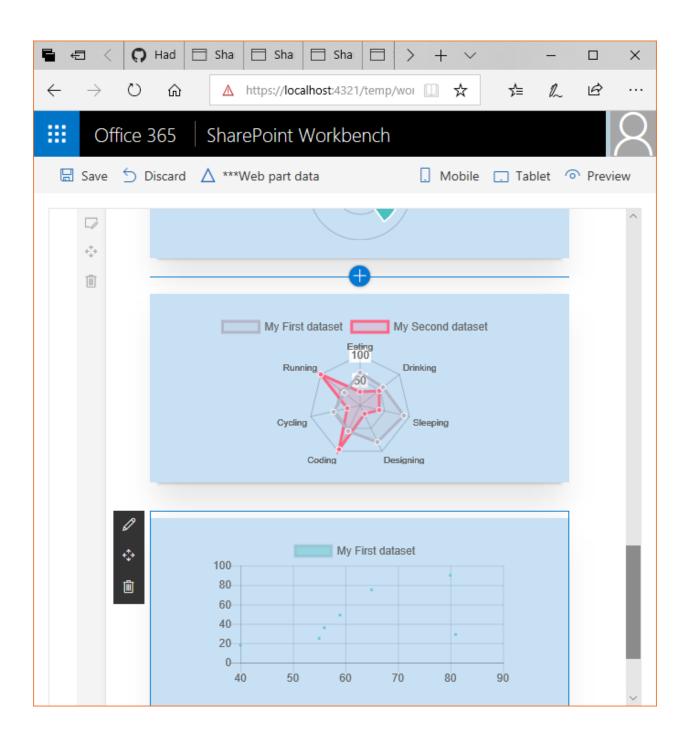
>npm install react-chartis-2 chart.js --save

>gulp serve





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



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

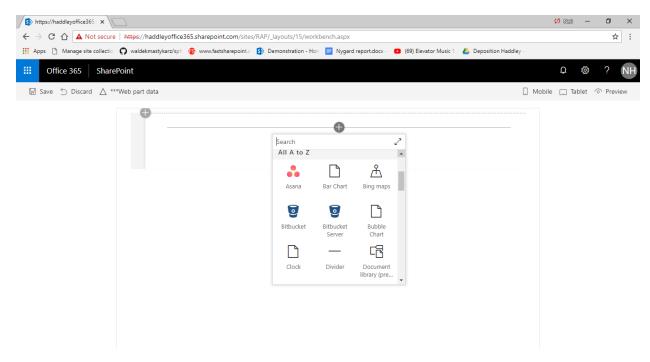
new file: .editorconfig
new file: .yscode/extensions.json
new file: .yscode/extensions.json
new file: .yscode/extings.json
new file: .yscode/settings.json
new file: .yo-rc.json
modified: README.md
new file: config/copy-assets.json
new file: config/copy-assets.json
new file: config/copy-assets.json
new file: config/scaye.solution.json
new file: config/scaye.solution.json
new file: config/scaye.solution.json
new file: config/scaye.solution.json
new file: config/scaye.json
new file: config/scaye.json
```

>git commit -m "initial commit"

>git push origin master

Testing

https://haddleyoffice365.sharepoint.com/sites/RAP/ layouts/15/workbench.aspx



Updating styles

https://blog.mptolly.com/creating-an-inline-editable-web-part-title-in-spfx/

```
<div className={styles["webpart-header"]}>
    <span className={styles["view"]}>{this.props.description}</span>
</div>
```

```
■ BarChart.tsx - sp-react-chartjs-2 - Visual Studio Code
                                                                                                                                                                              File Edit Selection View Go Debug Tasks Help
        EXPLORER
                                                BubbleChart.tsx
                                                                 Ŕ II ...
        4 OPEN EDITORS 1 UNSAVED
           1:

    A BarChart.tsx src\webparts\barChart\comp...

            22
       ▲ SP-REACT-CHARTJS-2
                                                 23
24
                                                       export default class BarChart extends React.Component<IBarChartProps, {}> {
                                                         public render(): React.ReactElement<IBarChartProps> {
 %
                                                 25
26
27
28
29
30
31
32
                                                           return (
| <div className={styles.barChart}>
        ▶ config
        ▶ dist
                                                                <div className={styles.container}>
 ¢
        ▶ lib
         node modules
                                                                  <div className={styles["webpart-header"]}>
<span className={styles["view"]}>{this.props.description}</span>
         ₄ src

■ barChart

                                                                  <div className={styles.row}>
                                                 33
34

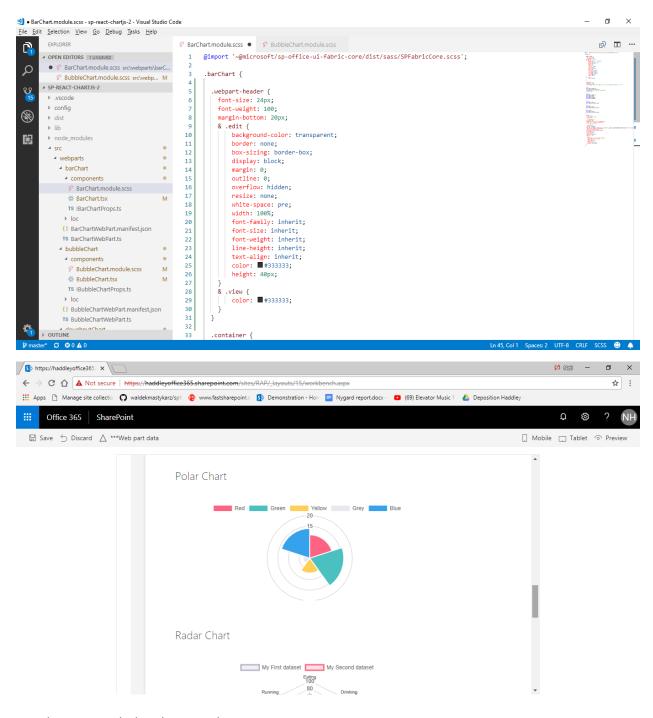
▲ components

                                                                    <div className={styles.column}>

    BarChart.module.scss

                                                  35
             A BarChart.tsx
                                                  36
37
                                                                       data={data}
              TS IBarChartProps.ts
                                                                       width={100}
height={100}
             {} BarChartWebPart.manifest.json
                                                                        options={{
             TS BarChartWebPart.ts
                                                  41
                                                                          maintainAspectRatio: false
            ▶ bubbleChart
                                                                     }}
/>
            ▶ doughnutChart
                                                  43
            ▶ horizontalBarChart
                                                 44
            ▶ lineChart
                                                 46
                                                                 </div>
            ▶ pieChart
                                                 48
                                                             </div>
            ▶ radarChart
                                                 49
50
```

```
.webpart-header {
    font-size: 24px;
    font-weight: 100;
    margin-bottom: 20px;
    & .edit {
        background-color: transparent;
        border: none;
        box-sizing: border-box;
        display: block;
        margin: 0;
        outline: 0;
        overflow: hidden;
        resize: none;
        white-space: pre;
        width: 100%;
        font-family: inherit;
        font-size: inherit;
        font-weight: inherit;
        line-height: inherit;
        text-align: inherit;
        color: #333333;
        height: 40px;
    }
    & .view {
        color: #333333;
    }
  }
  .container {
    max-width: 700px;
    margin: 0px auto;
    /*box-shadow: 0 2px 4px 0 rgba(0, 0, 0, 0.2), 0 25px 50px 0 rgba(0, 0, 0,
0.1);*/
  }
  .row {
    @include ms-Grid-row;
    @include ms-fontColor-white;
    /*background-color: $ms-color-themeLight;*/
    padding: 20px;
  }
```



Package and deploy web parts

>gulp build

>gulp bundle -ship

```
Node.js command prompt
                                                                                                                                                                                                                                                                                                                                                                                                                                                   П
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ×
                                            Starting subtask
                                                                                                                 configure-webpac
   17:40:52] Starting subtask 'configure-webpack'...

17:46:53] Finished subtask 'configure-webpack' after 958 ms

17:46:53] Starting subtask 'webpack'...

17:47:23] Finished subtask 'webpack' after 30 s

17:47:23] Starting subtask 'configure-webpack-external-bundling'...

17:47:23] Finished subtask 'configure-webpack-external-bundling' after 1.86 ms
                                      Finished subtask 'configure-webpack-external-bus
Starting subtask 'copy-assets'...
Finished subtask 'copy-assets' after 16 s
Starting subtask 'write-manifests'...
Finished subtask 'write-manifests' after 1.12 s
Finished 'bundle' after 54 s
     17:47:40
     17:47:40
       7:47:41
                                                             The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
The local CSS class 'webpart-header' is not camelCase and will not be type-safe.
      arning
arning
                                       [sass]
[sass]
                                      [sass]
     17:47:42] Project sp-react-chartjs-2 version:0.0.1
17:47:42] Build tools version:3.7.4
[17:47:42] Node version:v8.11.1

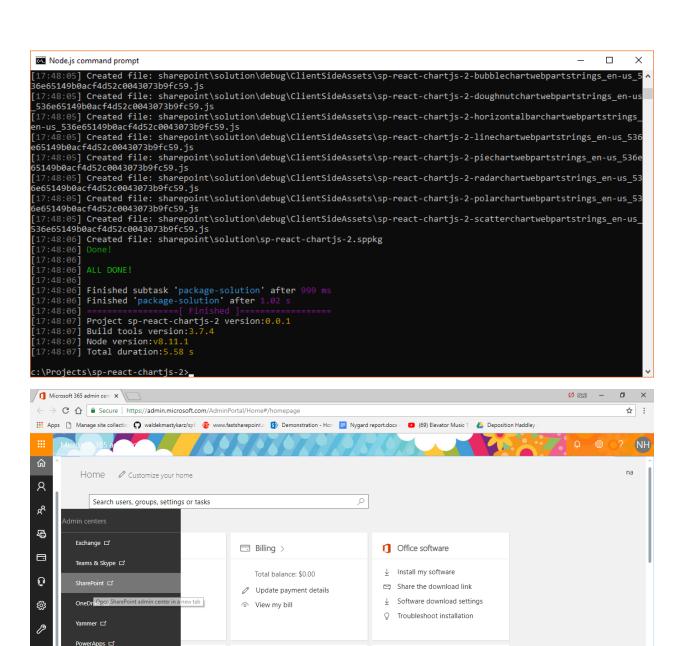
[17:47:42] Total duration:58 s

[17:47:42] Task warnings:9

The build failed because a task wrote output to stderr.

Exiting with exit code: 1
 c:\Projects\sp-react-chartjs-2>
```

>gulp package-solution -ship



Support
 ■

+ New service request

8: ■ View service requests

Train yourself

Train your people

For admins 🖂

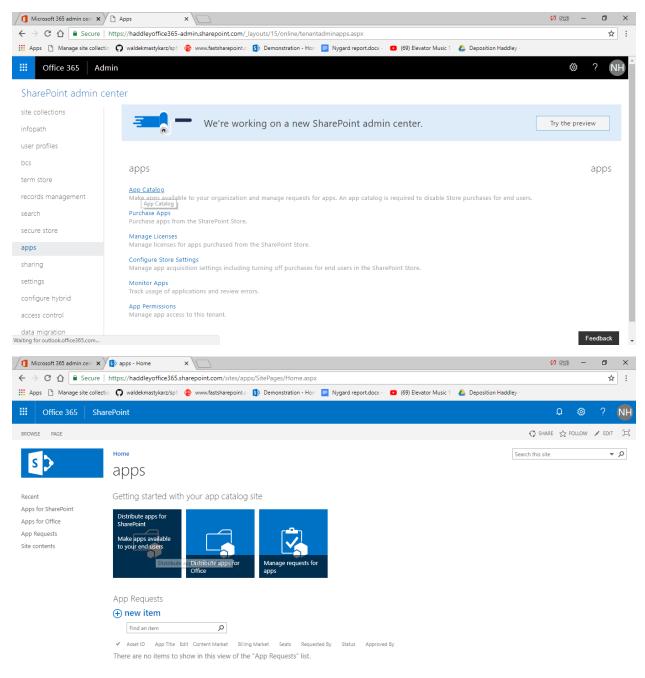
For end users □

M

⊗

Flow □

Security & Compliance 🗗



https://haddleyoffice365.sharepoint.com/sites/apps/SitePages/Home.aspx#

