

Getting Started with the Primo-Explore Devenv

PAUL OJENNUS ON BEHALF OF THE PRIMO CUSTOMIZATION STANDING GROUP

PRIMO DAY 2018

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Outline

Download and install

Setup to mimic your sandbox or production environment

CSS

JS

Some other features

Creating and maintaining the package

Download and Install

What is the Devenv and why do I want it?

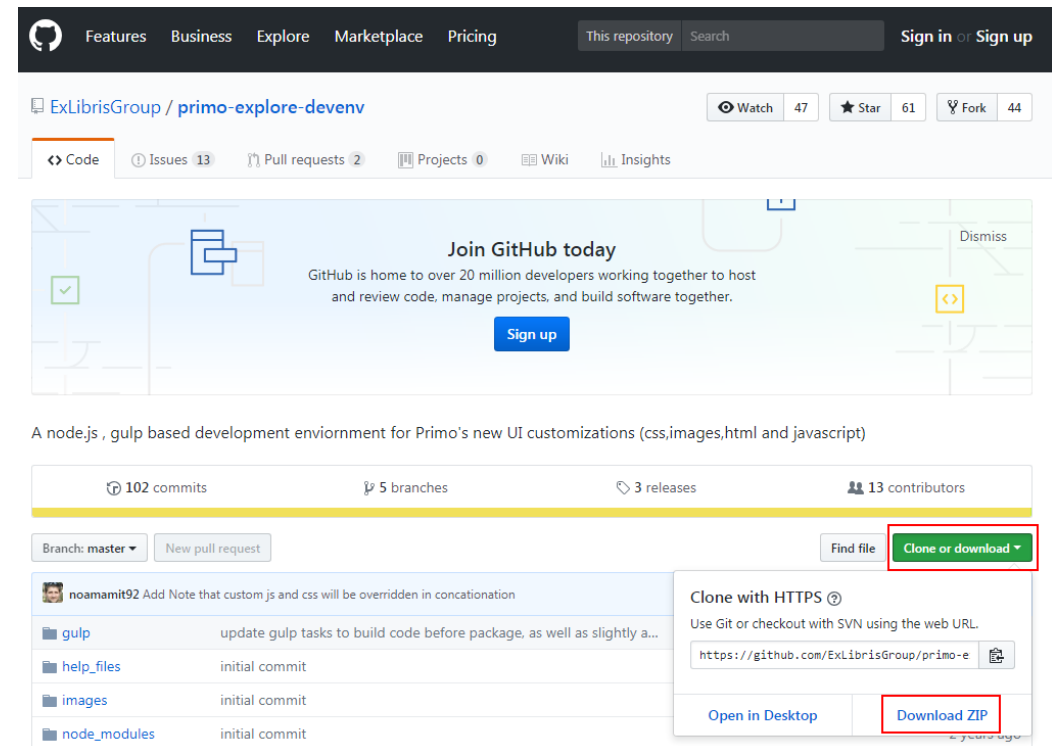
- A version of Primo that runs on your computer
- References your data and PBO settings
- Lets you develop and test customizations without having to upload the customization package
 - Save the changes in custom1.css (etc.)
 - The Primo page reloads and you see them immediately

Download and Install

Follow the link to the code repository:
<https://github.com/ExLibrisGroup/primo-explore-devenv>

Print out the instructions (you'll be restarting your computer during the install)

Click the green “Clone or download” and select “Download ZIP”



The screenshot shows the GitHub repository page for 'ExLibrisGroup / primo-explore-devenv'. The repository has 102 commits, 5 branches, 3 releases, and 13 contributors. The file list includes 'gulp', 'help_files', 'images', and 'node_modules'. A dropdown menu is open over the 'Clone or download' button, showing options for cloning with HTTPS and downloading the ZIP file. The 'Download ZIP' option is highlighted with a red box.

Download and Install

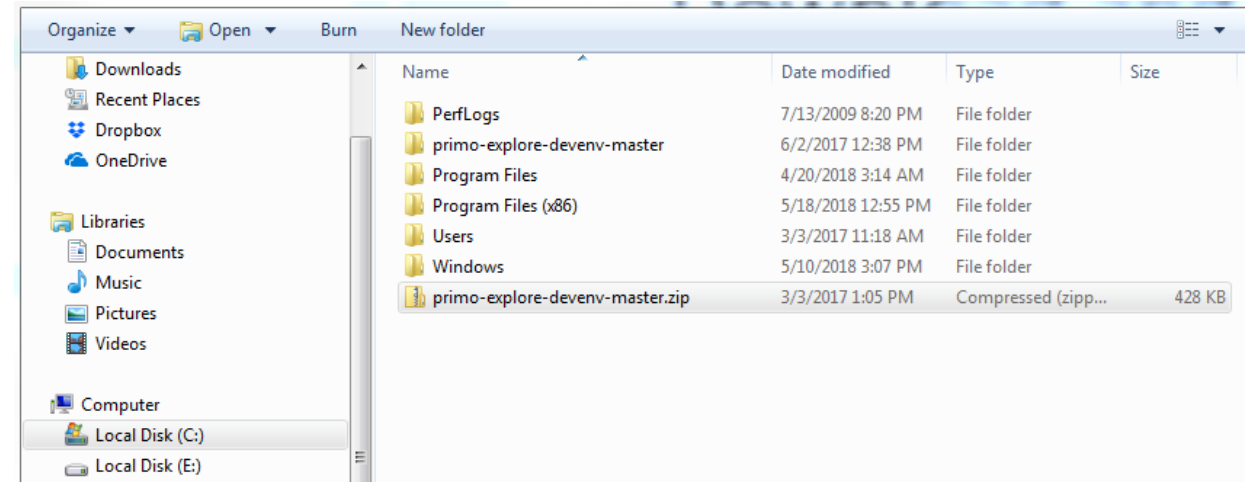
Copy the ZIP file to a convenient place (e.g., the root directory)

Unzip

Download and install Node version 6.9.2 from

<https://nodejs.org/download/release/v6.9.2/>

If you have a later version of Node installed you may need to uninstall it



Download and Install

To install Node...

- Follow the link
- For Windows choose node-v6.9.2-x64.msi
- For Mac choose node-v6.9.2.pkg
 - (both near bottom)
- When download is complete click “run”

Index of /download/release/v6.9.2/

../	06-Dec-2016 19:21	-
docs/	06-Dec-2016 14:15	-
win-x64/	06-Dec-2016 13:55	-
win-x86/	06-Dec-2016 13:55	-
SHASUMS256.txt	05-Jan-2017 18:06	3865
SHASUMS256.txt.asc	05-Jan-2017 18:06	4369
SHASUMS256.txt.sig	05-Jan-2017 18:06	287
node-v6.9.2-aix-ppc64.tar.gz	06-Dec-2016 19:13	17399590
node-v6.9.2-darwin-x64.tar.gz	06-Dec-2016 19:16	12041020
node-v6.9.2-darwin-x64.tar.xz	06-Dec-2016 19:16	8313652
node-v6.9.2-headers.tar.gz	06-Dec-2016 19:22	476907
node-v6.9.2-headers.tar.xz	06-Dec-2016 19:22	346820
node-v6.9.2-linux-arm64.tar.gz	06-Dec-2016 18:56	13214471
node-v6.9.2-linux-arm64.tar.xz	06-Dec-2016 18:57	8411972
node-v6.9.2-linux-armv6l.tar.gz	06-Dec-2016 19:27	13057565
node-v6.9.2-linux-armv6l.tar.xz	06-Dec-2016 19:33	8299336
node-v6.9.2-linux-armv7l.tar.gz	06-Dec-2016 18:59	13039547
node-v6.9.2-linux-armv7l.tar.xz	06-Dec-2016 19:00	8304524
node-v6.9.2-linux-ppc64.tar.gz	06-Dec-2016 18:55	13995288
node-v6.9.2-linux-ppc64.tar.xz	06-Dec-2016 18:56	8520752
node-v6.9.2-linux-ppc64le.tar.gz	06-Dec-2016 18:55	13748177
node-v6.9.2-linux-ppc64le.tar.xz	06-Dec-2016 18:55	8654836
node-v6.9.2-linux-s390x.tar.gz	06-Dec-2016 18:54	14201941
node-v6.9.2-linux-s390x.tar.xz	06-Dec-2016 18:55	8932888
node-v6.9.2-linux-x64.tar.gz	06-Dec-2016 18:57	13927240

Download and Install

Install the npm libraries the Devenv needs

- Open a command line prompt (search Windows for “command prompt”, Mac for “Terminal”)
- Type in: `npm install npm@3.3.12 -g`
- Restart your computer

```
C:\Users\pojen>cd..
C:\Users>cd..
C:\>cd primo-explore-devenv-master
C:\primo-explore-devenv-master>cd..
C:\>npm install npm@3.3.12 -g
[ ..... ] | loadRequestedDeps: sill install loadAllDepsIntoIdealTree
```

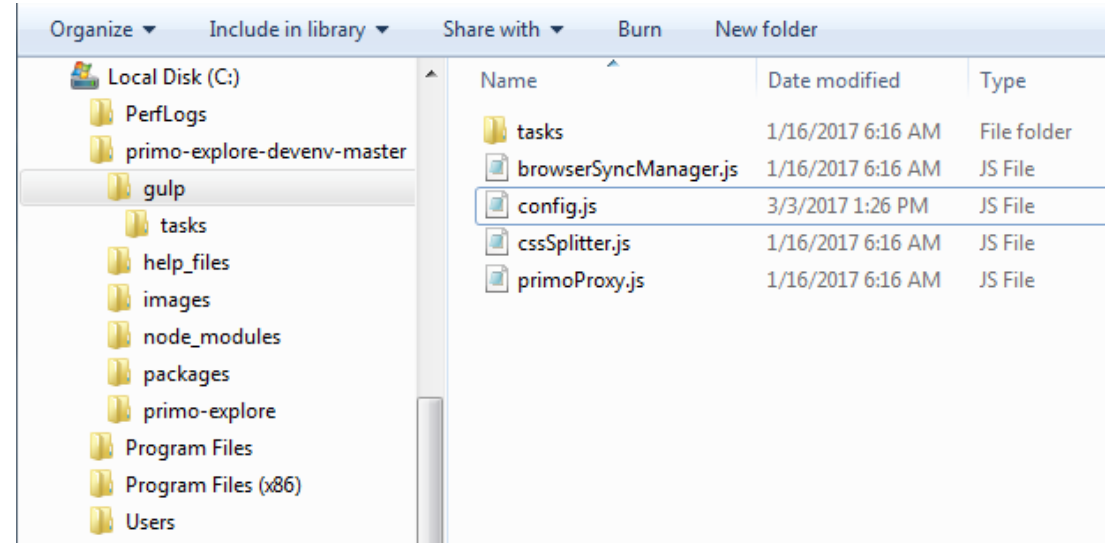
```
Command Prompt
|-- isarray@0.0.1
|-- process-nextick-args@1.0.3
|-- string_decoder@0.10.31
| `-- util-deprecate@1.0.2
+-- slide@1.1.6
+-- sorted-object@1.0.0
+-- strip-ansi@3.0.0
+-- tar@2.2.1
| `-- block-stream@0.0.8
+-- text-table@0.2.0
+-- uid-number@0.0.6
+-- umask@1.1.0
+-- unique-filename@1.0.0
| `-- unique-slug@1.0.0
+-- unpipe@1.0.0
+-- validate-npm-package-license@3.0.1
| +-- sdx-correct@1.0.1
| | `-- sdx-license-ids@1.0.2
| `-- sdx-expression-parse@1.0.0
|   `-- sdx-exceptions@1.0.3
+-- validate-npm-package-name@2.2.2
| `-- builtins@0.0.7
+-- which@1.2.0
| `-- is-absolute@0.1.7
|   `-- is-relative@0.1.3
+-- wrappy@1.0.1
`-- write-file-atomic@1.1.3
C:\>
```


Setup for your Sandbox/Production Env.

Locate the gulp directory on your computer (e.g., primo-explore-devenv/gulp)

Open the config.js file in a text-editor

Find the line that starts `var PROXY_SERVER` and enter the base url for the environment you want to mimic

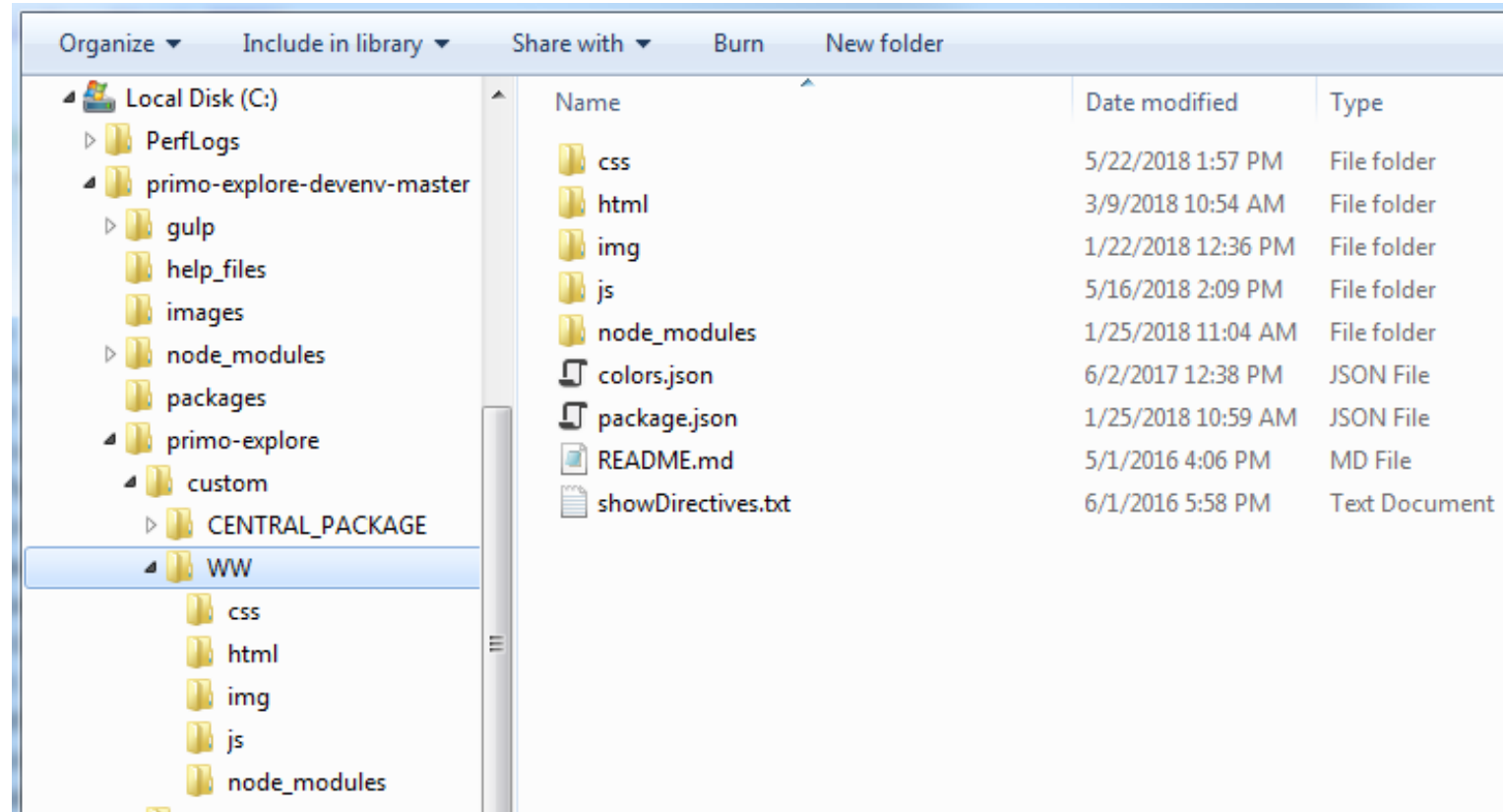


```
83
84 /*Note that for SSL environments (https) define the server as: var PROXY_!
85 var PROXY_SERVER = 'http://alliance-primo-sb.hosted.exlibrisgroup.com';
86
87
```

Setup for your Sandbox/Production Env.

Add your existing packages to the Devenv

- Go to the PBO → Customization Manager
- Download the package for your view (e.g., WW)
- Download the Central Package
- Unzip the packages and copy the directories into the “custom” folder (see right)



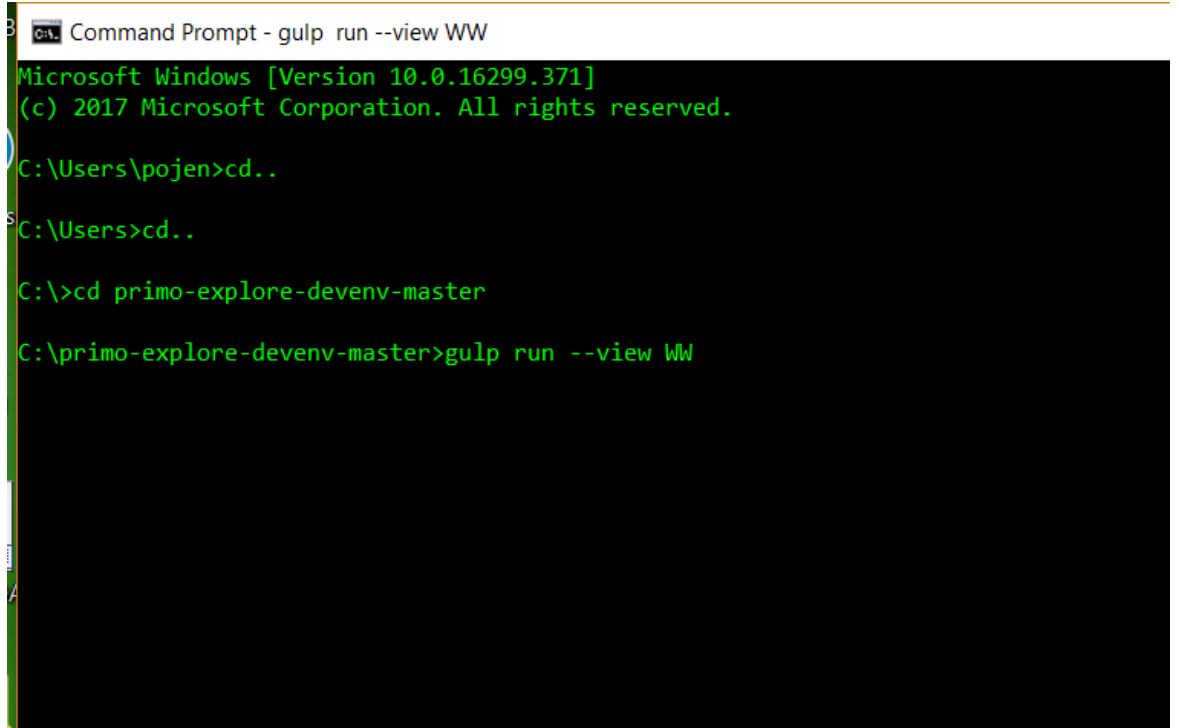
Setup for your Sandbox/Production Env.

Start the Devenv

- Open a command line prompt
- cd to the primo-explore-devenv directory
- Type in: `gulp run --view MYVIEW`
- (replace “MYVIEW” with the name of your actual view)

Point your browser to:

`http://localhost:8003/primo-explore/search?vid=MYVIEW`



```
Command Prompt - gulp run --view WW
Microsoft Windows [Version 10.0.16299.371]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\pojen>cd..
C:\Users>cd..
C:\>cd primo-explore-devenv-master
C:\primo-explore-devenv-master>gulp run --view WW
```

Working with CSS in the Devenv

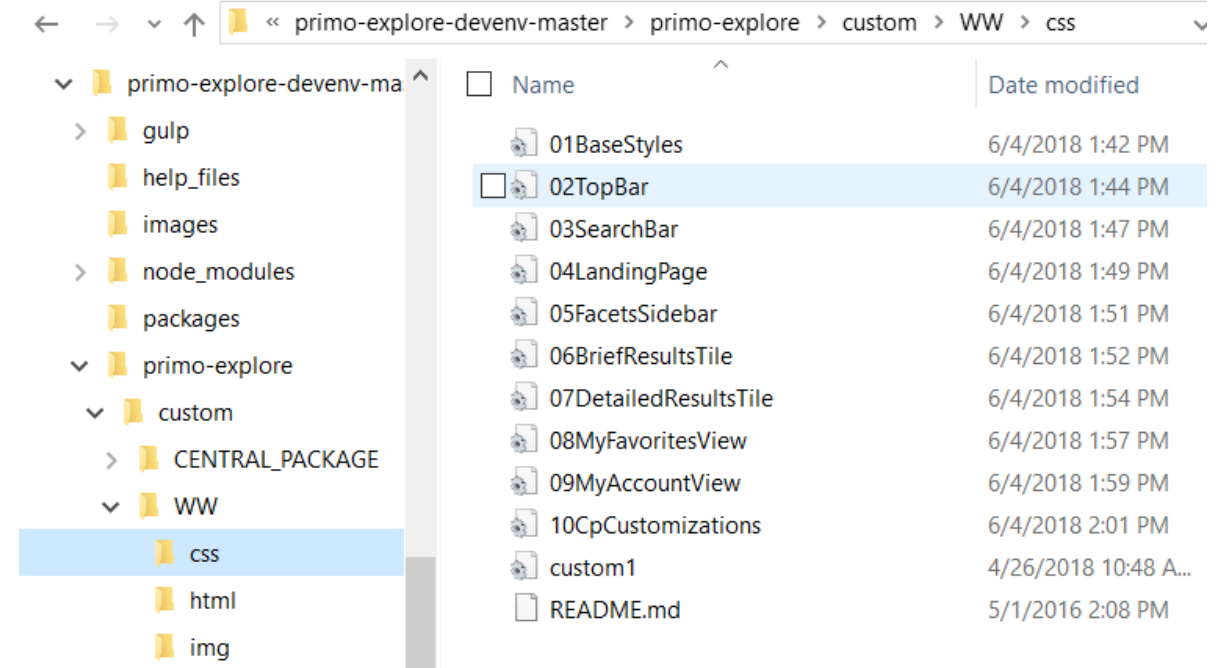
The Devenv will recreate the custom1.css file on run

Don't edit custom1.css

Factor out groups of styles into different files, like:

- baseStyles.css
- mainMenuStyles.css
- facetTileStyles.css
- Etc.

Let's try it out!



Working with JS in the Devenv

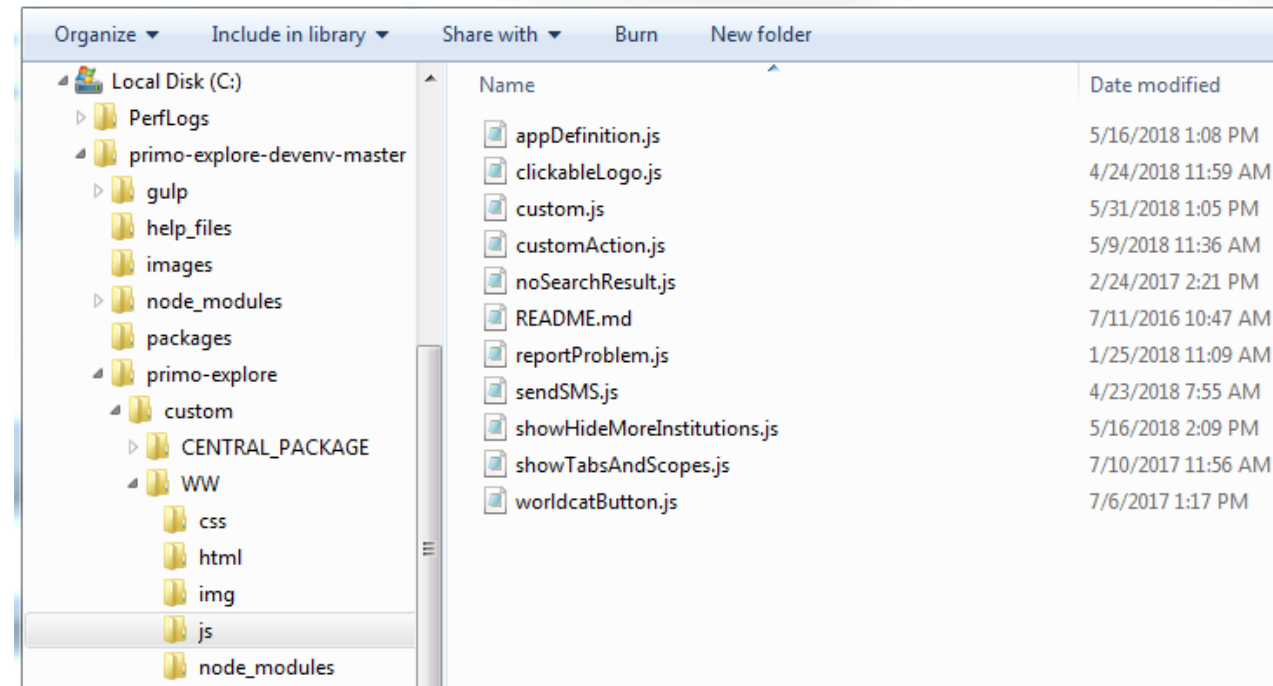
The Devenv will create custom.js on run

Don't edit custom.js

Factor out individual customizations into separate files

- Make sure something like appDefinition files first

Let's try it out!



Some other features

colors.json

In the Devenv directory is a file “colors.json”

Open in a text editor, edit

Save in the directory of the view you want to apply these colors to

```
{  
  "primary": "#c22033",  
  "secondary" : "#c7b683",  
  "backgroundColor" : "white",  
  "links": "#007c89",  
  "warning": "tomato",  
  "positive": "#0f7d00",  
  "negative": "gray",  
  "notice": "#e08303"  
}
```

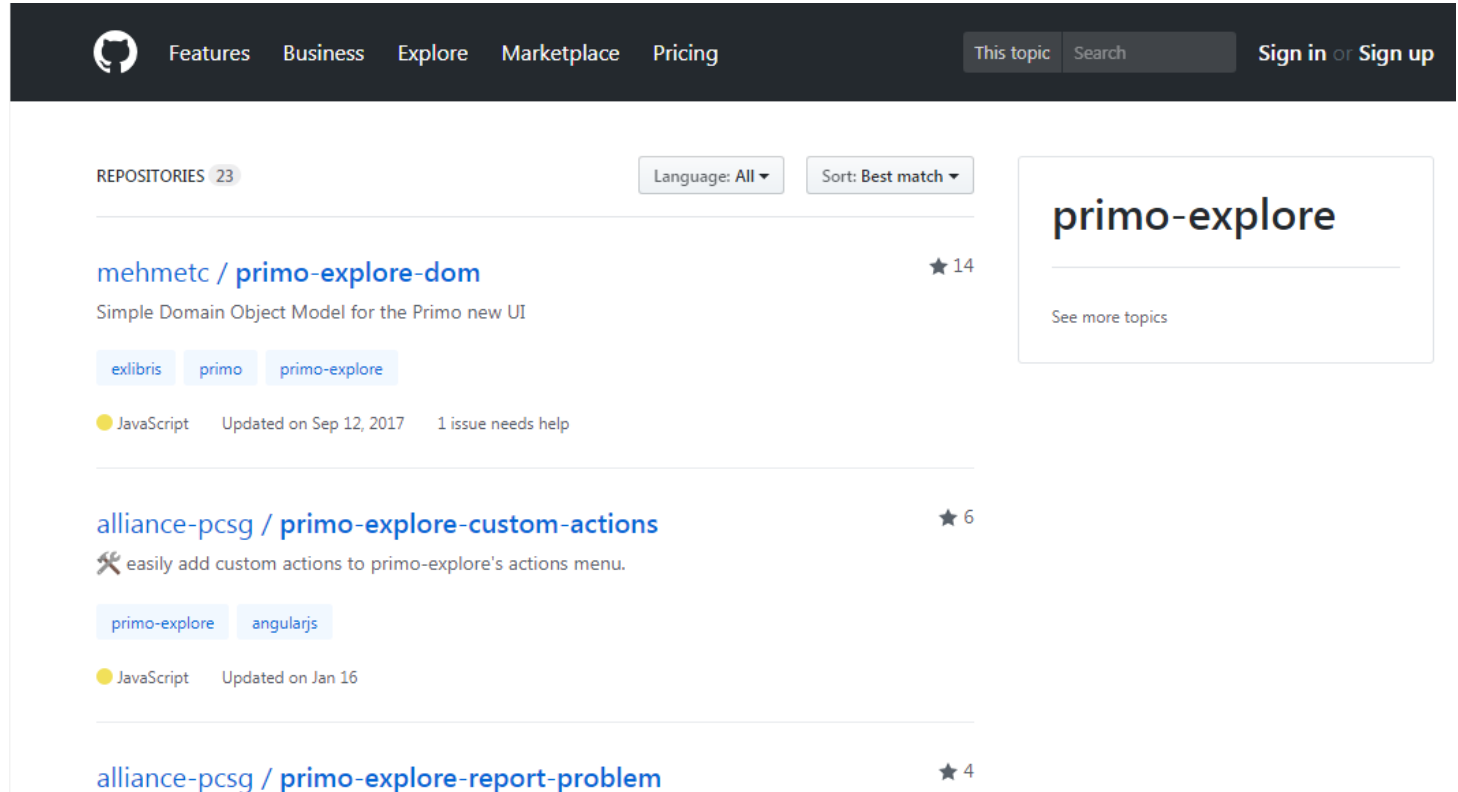
Some other features

Install npm packages

Explore customizations others have published, e.g., at

<https://github.com/topics/primo-explore>

Many are published on npm so you can have gulp install them for you



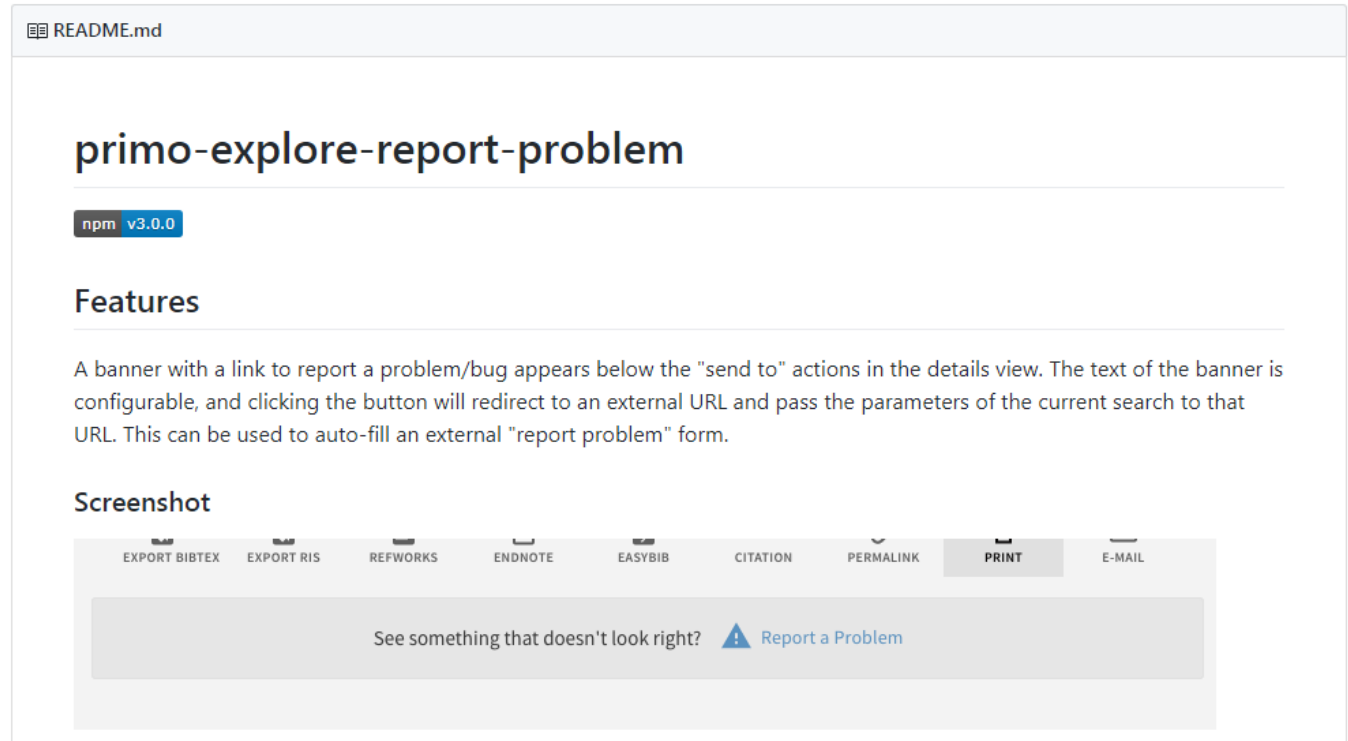
The screenshot shows the GitHub search results for the topic 'primo-explore'. The interface includes a dark navigation bar with the GitHub logo and links for Features, Business, Explore, Marketplace, and Pricing. A search bar contains 'This topic' and 'Search', with 'Sign in or Sign up' links to the right. Below the navigation bar, the search results are displayed. At the top, it says 'REPOSITORIES 23' with filters for 'Language: All' and 'Sort: Best match'. The first result is 'mehmetc / primo-explore-dom' with 14 stars. Its description is 'Simple Domain Object Model for the Primo new UI'. It has tags for 'exlibris', 'primo', and 'primo-explore'. The second result is 'alliance-pcsg / primo-explore-custom-actions' with 6 stars. Its description is 'easily add custom actions to primo-explore's actions menu.' It has tags for 'primo-explore' and 'angularjs'. The third result is 'alliance-pcsg / primo-explore-report-problem' with 4 stars. The search results also show 'JavaScript' as a language filter and update dates for each repository.

Some other features

We'll add the "report a problem" customization this way

<https://github.com/alliance-pcsg/primo-explore-report-problem>

The upcoming Primo Studio will use npm packages, so they may become the preferred way to share code



README.md

primo-explore-report-problem

npm v3.0.0

Features

A banner with a link to report a problem/bug appears below the "send to" actions in the details view. The text of the banner is configurable, and clicking the button will redirect to an external URL and pass the parameters of the current search to that URL. This can be used to auto-fill an external "report problem" form.

Screenshot

EXPORT BIBTEX EXPORT RIS REWORKS ENDNOTE EASYBIB CITATION PERMALINK **PRINT** E-MAIL

See something that doesn't look right? [Report a Problem](#)

Some other features

Create a package to upload to the PBO

Open a command line, navigate to the root directory of the devenv

Enter the command:

```
gulp create-package
```

Choose the view you want to create the package for

The package will be saved in primo-explore-devenv-master/packages/

```
Microsoft Windows [Version 10.0.16299.371]
(c) 2017 Microsoft Corporation. All rights reserved.

C:\Users\pojen>cd..

C:\Users>cd..

C:\>cd primo-explore-devenv-master

C:\primo-explore-devenv-master>gulp create-package
[07:20:01] Using gulpfile C:\primo-explore-devenv-master\gulpfile.js
[07:20:01] Starting 'select-view'...
Please Choose a view to use:

1: CENTRAL_PACKAGE

2: WW

prompt: Please Choose view to use:
```

Thank you!

QUESTIONS?

POJENNUS@WHITWORTH.EDU

SYS-DISCUSSION@ORBISCASCADE.ORG

SLACK #PRIMO-NEWUI