

Setting Up Bootstrap 4, Gulp, SASS(SCSS), Partials, and Browser Sync with WebStorm and GitHub Pages

Overview

This project is a to setup WebStorm to work with Bootstrap, SASS(SCSS), GitHub Pages Browser Sync, GULP, and web templates with partial html files. When you complete this project, you will be able to build your project with these tools and view it live in the browser. You will be able to use HTML snippets for your header and main menu and when you save your files, it will automatically build your project and update your browser without having to press the refresh button. You will also be able to host your website on GitHub pages.

The completed code for this project can be found here:

<https://github.com/kaw393939/bootstrap-4-boilerplate>

Videos and Readings:

- Bootstrap <https://getbootstrap.com/docs/4.4/getting-started/introduction/>
- Gulp <https://gulpjs.com/docs/en/getting-started/quick-start/>
- SASS <https://sass-lang.com/guide>
- BrowserSync <https://www.browsersync.io>
- (Lecture) Project Setup <https://youtu.be/rusniDSzXGs>

Pre-Requisites

1. *WebStorm Installed*
2. *Node.js Installed*

Project Steps

Step 1 – Clone the project to WebStorm

<https://github.com/kaw393939/bootstrap-4-boilerplate>

Step 2 – Run npm install in the terminal of the project

Step 3 – Setup a Gulp Run Configuration in WebStorm

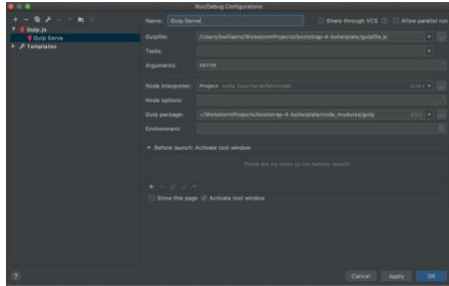


Figure 1 - Put "serve" as the argument

Step 4 – Run the project and view it in the browser

Press the “Play” button in WebStorm to launch the site. Once the site is launched you can edit your site and BrowserSync will automatically refresh your browsers and you can see your changes. You must edit your files in the “src” directory and then Gulp will build your site in the “docs” folder.

Note: You have to run the project to build the files in the docs folder and then push to GitHub

Step 5 – Share your project on GitHub and Turn on GitHub Pages to host it.

1. Click on Settings on the repository
2. Scroll down to see “GitHub Pages” and choose “master branch /docs folder”
3. Make a change to the site using WebStorm and push again to activate the hosting function of GitHub

Your website will be hosted at: <https://<yourGitHubID>.github.io/<yourRepo>>

Example: <https://kaw393939.github.io/bootstrap-4-boilerplate/>

Note: You will have to make a 2nd push after you turn on GitHub pages to make it host your website, and it may take a minute or two for it to appear.

Submit your Project

1. Create a new WebStorm project
2. Add a screenshot to your README.MD file that shows the project running with BrowserSync. Put the screenshot in the screenshot folder and use Markdown in you README.MD file display the image on the homepage of your GitHub Repo
3. Share your project on GitHub and push the site to GitHub
4. Submit the project by sending a link to the repository and the site on GitHub pages in the assignment for your course.