# The Setup

While there are many ways to instantiate an Angular application, the most straightforward and consistent method is from the command line.

Verify NodeJS and Version:

C:\dev>node -v

v10.16.0

Now from the root of your development directory execute the following command:

C:\dev> npx @angular/cli new <application-name>

The Angular scripting engine builds in support for GIT out of the box. While this script is running two questions will be presented. Accept the defaults (Yes to Routing and css).

Next, the newly created application needs to have its repository created on GitHub.

Open GitHub Desktop;

1. File (menu item)
2. Add Local Repository

OR

1. Ctrl+O

Publish the Repository

1. Commit the changes
2. Push to Origin

At this state, you should have three windows open:

1. GitHub.com
2. GitHub Desktop
3. VS Code

Open the VS Code window.

# VS Code

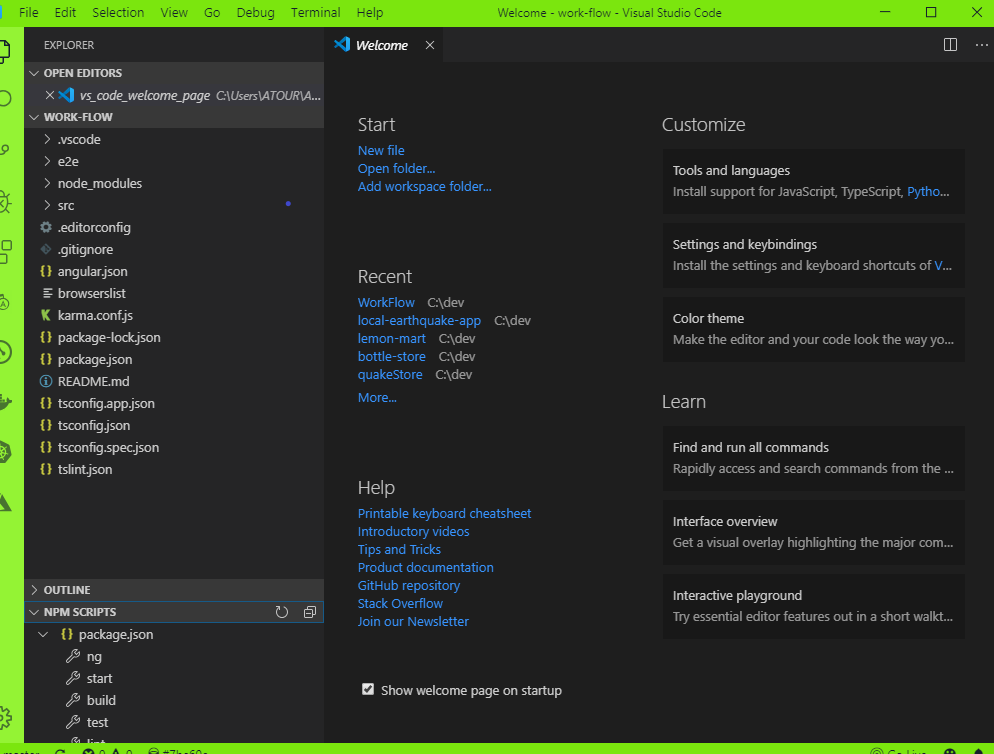
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Figure VS Code Default open after application creation

1. **Open package.json**

**Change in the “scripts” section:**

**From:** "start": "ng serve",

**To:** "start": "ng serve --port 5005 -o",

**(around line 6 in package.json)**

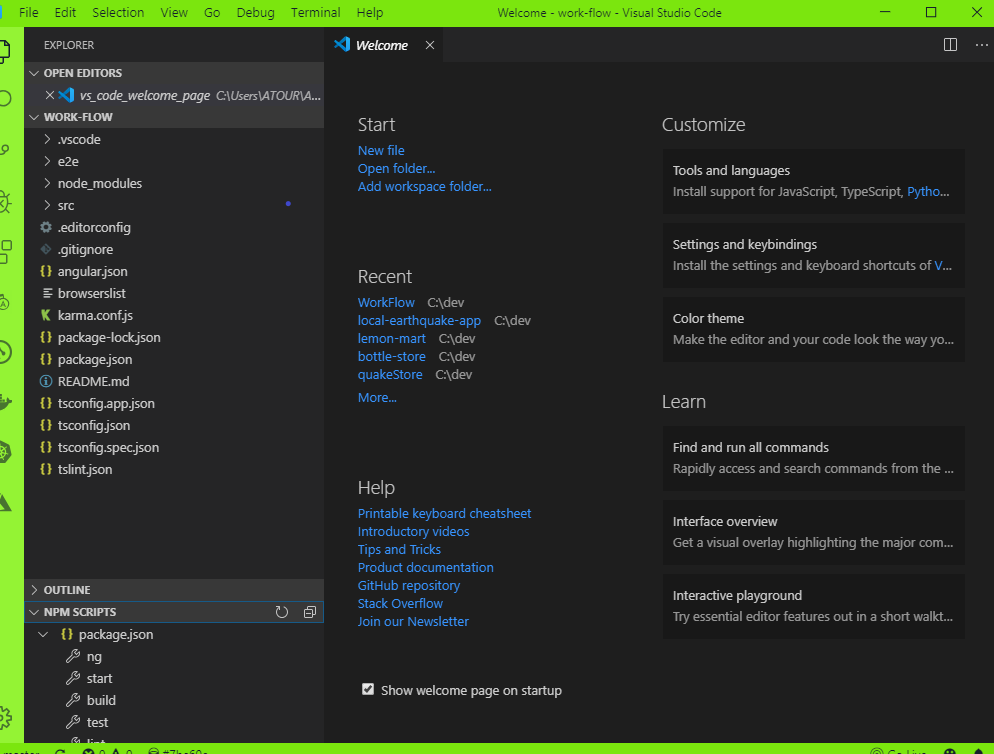
**Breakdown:**

**ng serve – start the web app**

**--Port 5005 – instruct the app what web port to use**

**-o – auto open option – serves up the app in the default browser**

1. **Expand the NPM SCRIPTS section**

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1. **Hover over start**

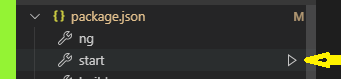


Figure Executing NG SERVE from the NPM SCRIPTS window

**Clicking on the ‘Run’ triangle starts the application.**

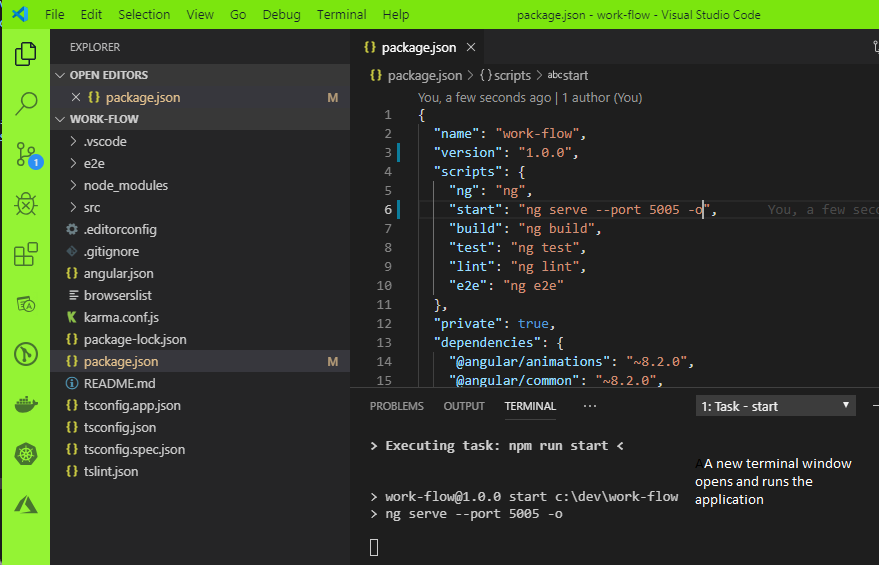
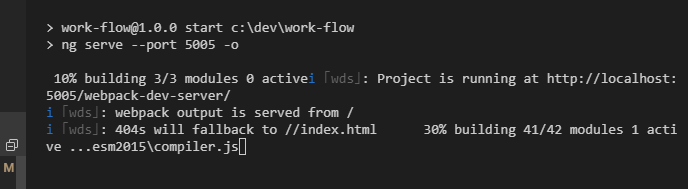
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Figure Application Starting w/ temp term window

Angular Transpiles the code:



Your new base application is running in your default browser.

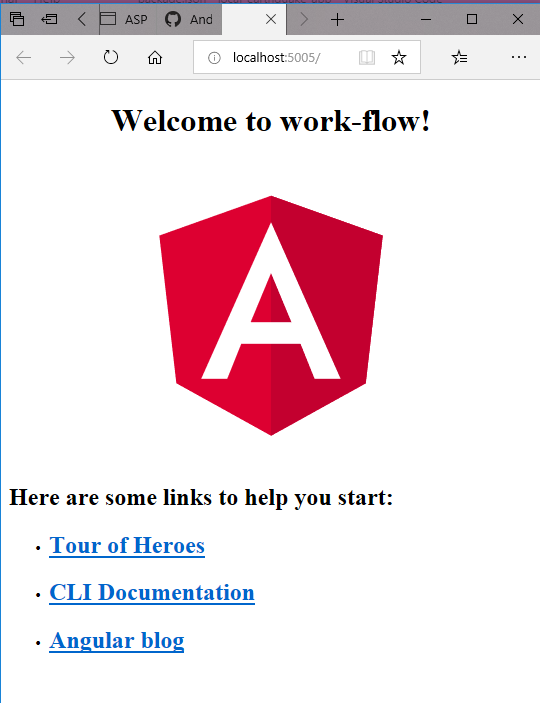


Figure Default Edge Browser

The application is running in MS Edge (browser default).

If your default browser is not Google, open a Google instance and enter:

Localhost: 5005

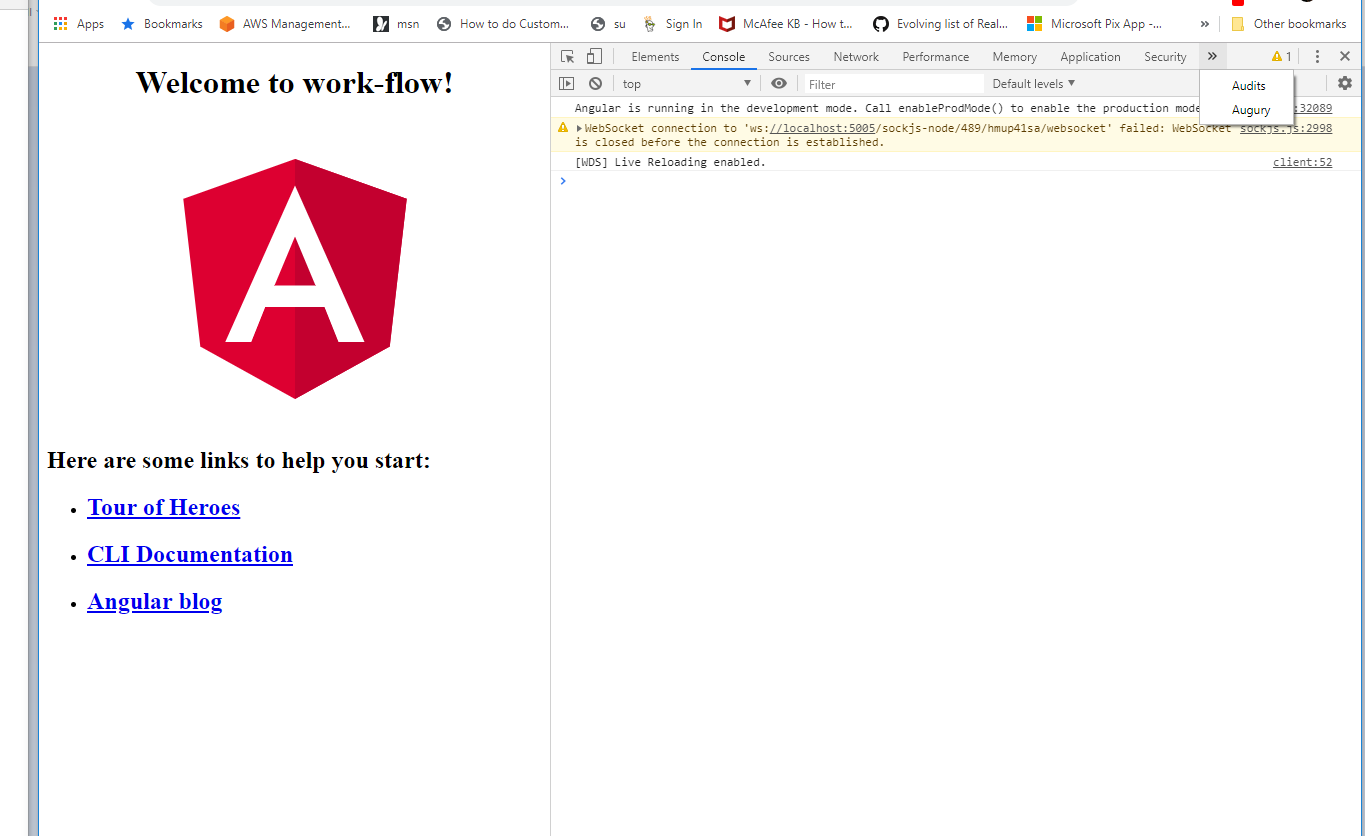
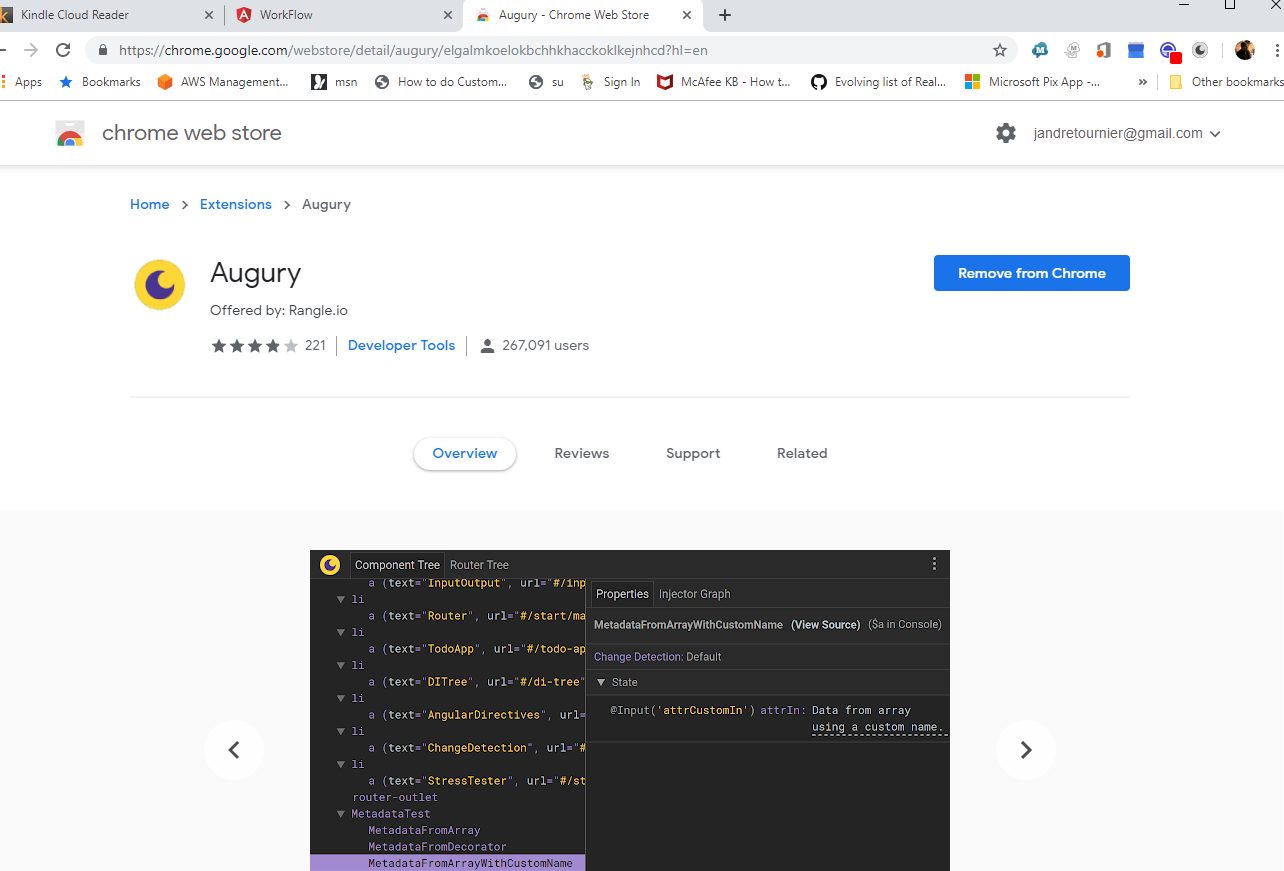
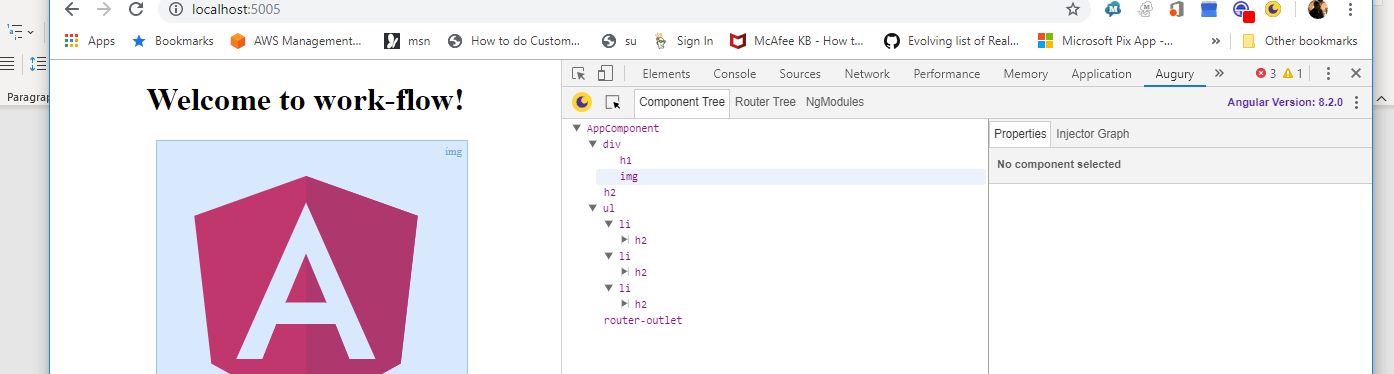


Figure Google Chrome opened in Developer Mode

In the upper right corner, the Augury extension has been installed;



You can explore the running code:



## Configuring the Project, VS CODE and Dev Rules

## So far, a shell of an application that does something but nothing that you need.