

INFO5059 Week 7 – No LAB

Rev 1.0

Finishing the First Half

We have all the programming completed for the exercises' application. We are in shape to put our app into **semi-production** (we're running locally in the first half and on AWS in the second, which would be considered our production environment).

As such, we need to move the application **completely over to the server project** and let the embedded Spring Boot Web Server control the whole process from here on.

1. Ensure you are using your “own data” for actual products (no widgets, gadgets...) that are related to the type of company you're setting the app up for.
2. Ensure your company logo is used ubiquitously in the application (template pages, pdf)
3. In the client project, edit your **constants.ts** file and copy the localhost lines to new constants without the localhost in them. Then comment out the localhost lines. It should look something like this (if you need to go back and run off the 4200 port reset the comments accordingly):

```
1 // export const BASEURL = 'http://localhost:8080/api/';
2 // export const PDFURL = 'http://localhost:8080/POPDF?po=';
3 export const BASEURL = '/api/';
4 export const PDFURL = '/POPDF?po=';
```

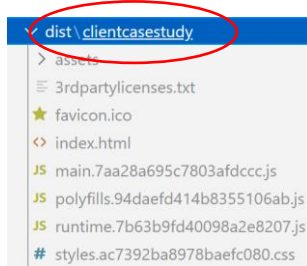
4. **Stop any running server** on the client port, and then execute the build script with **ng build**, ignore the last line about the budget:

```
PS C:\Evan\Fall12022\info5059\programming\clientcase> ng build
✓ Browser application bundle generation complete.
✓ Copying assets complete.
✓ Index html generation complete.
```

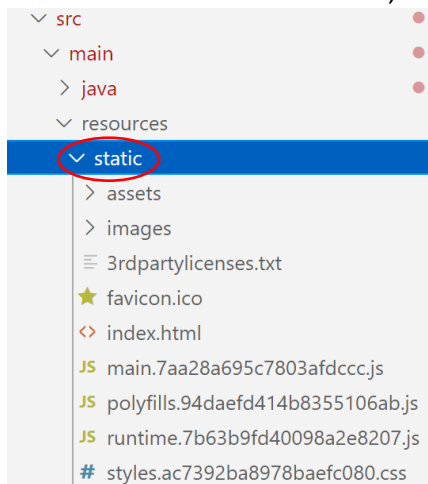
Initial Chunk Files	Names	Raw Size	Estimated Transfer Size
main.8a607ed56f0d99bd.js	main	719.98 kB	159.50 kB
styles.2a328986beb67012.css	styles	132.87 kB	8.50 kB
polyfills.9af7eb595f8274fb.js	polyfills	33.07 kB	10.66 kB
runtime.012a4b901c2c8f80.js	runtime	1.04 kB	589 bytes
Initial Total		886.97 kB	179.23 kB

Build at: 2022-08-08T13:34:48.602Z - Hash: 67fd6df885c4cc94 - Time: 73066ms

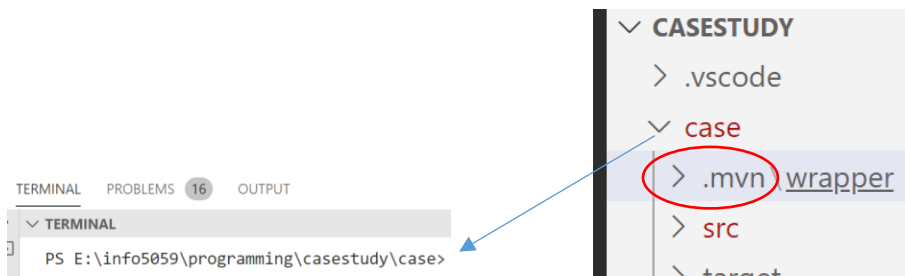
5. This will create a **dist\whatever** your project was called folder in your project (mine was called clientcasestudy here):



6. Copy the entire **contents** of the **dist\client...** folder (**but not the folder itself**) over to the server project's **static** folder (make sure it gets in the root of static and not a sub-folder):



7. Update all repositories and controllers and remove or comment out the @CrossOrigin annotation (this isn't a big deal but would be done in a true production environment)
8. Make sure your terminal window is at the folder that contains the **.mvn** folder:

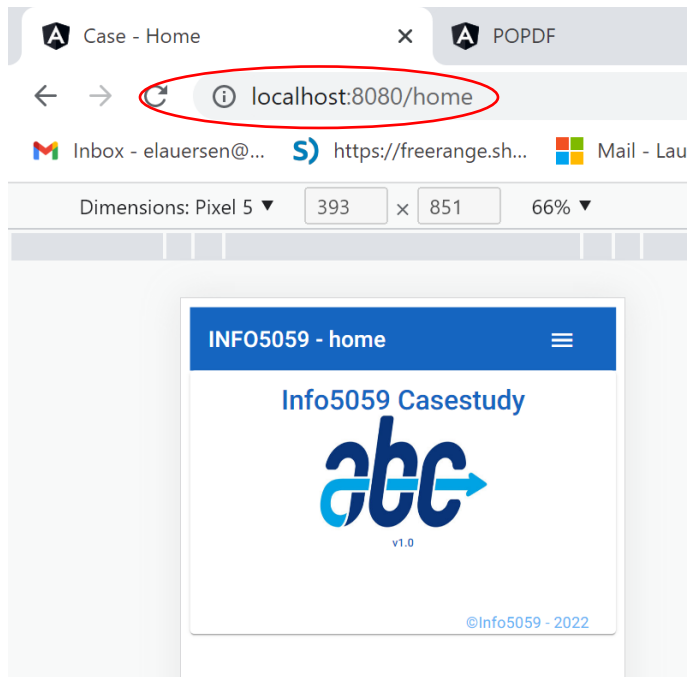


9. Now we can do, what we did way back in week 1. First shutdown the server. Then View→Command Palette→Maven: Execute Commands→**package**

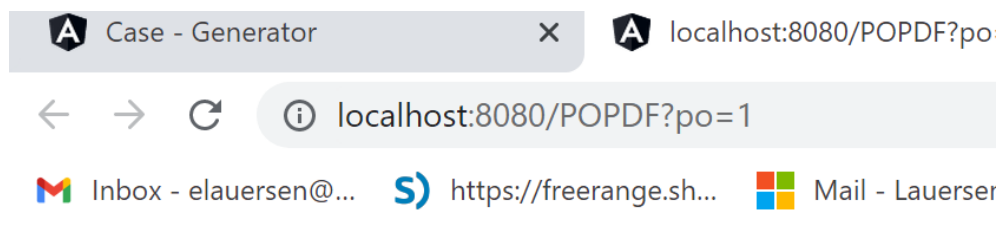
Which should start your server in a command prompt window

12. Check for errors, if none, point the browser back to localhost:8080/

13. Test the entire application **out on the :8080 port**



If you hit an error like I did when trying to view a PDF:



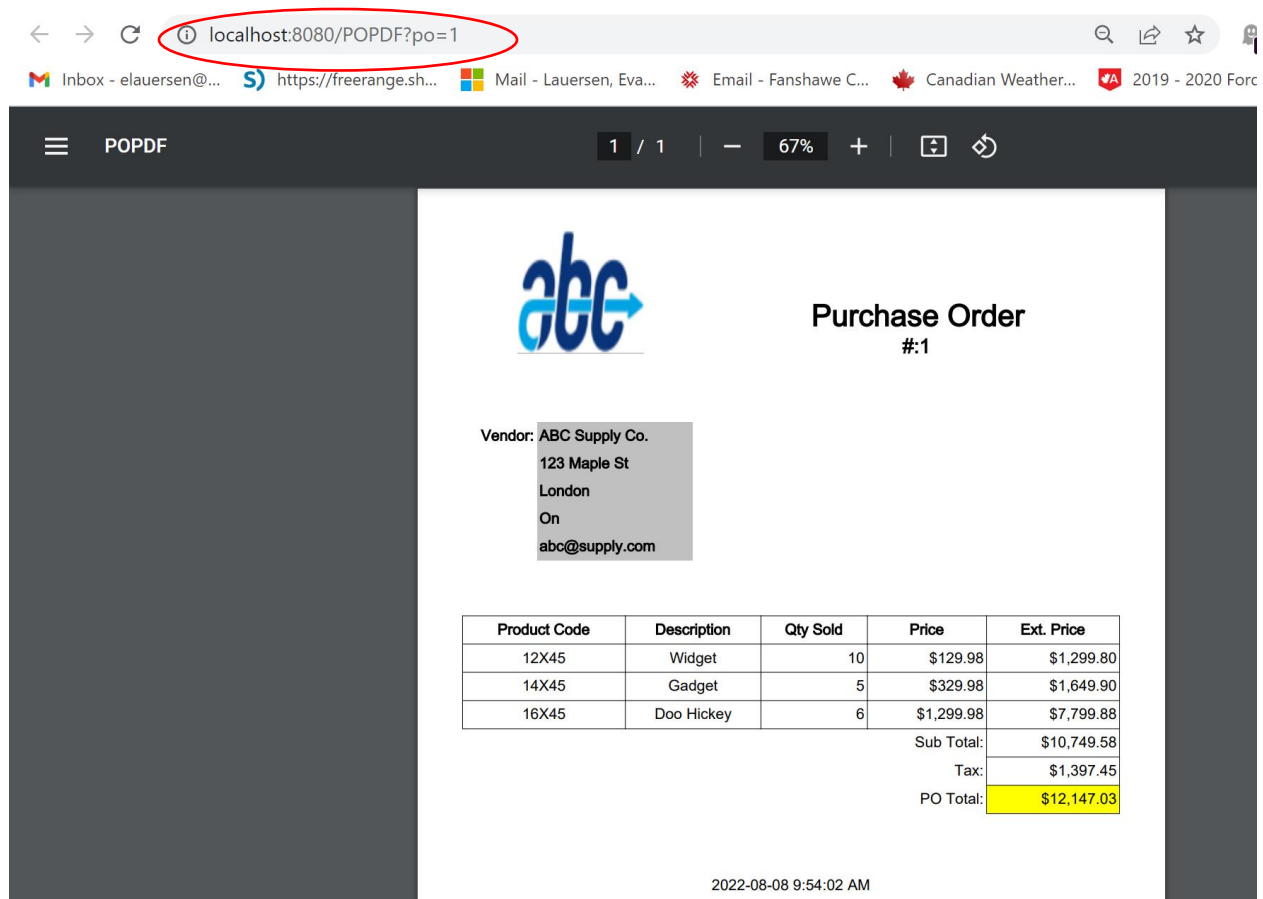
Whitelabel Error Page

This application has no explicit mapping for /error, so you are seeing this as a fallback.

Mon Aug 08 09:44:09 EDT 2022

There was an unexpected error (type=Internal Server Error, status=500).

You'll need to look at the console for clues to what happened, in my situation I had deleted my images folder and the PDF generator couldn't find my logo. Once resolved I had to perform the package command again and then everything worked:



This brings us to the end of the programming requirements for the first half of the course.

Case Study/Practicum Notes

Complete the Case study so that the entire application works natively from executing the jar file **at a command prompt** (e.g. no IDE running). Case study requirements can be found on FOL in the week 7 content.

The week 7 online hour will consist **of a Practicum FOL Quiz** where instructions are given in the form of quiz questions. This will be treated as a test and **therefore you must work on your own**. You will **have 60 min.** to complete the questions/steps resulting in **a single .zip file** to the drop box **before the time expires** so there will be minimum time to do any fixes or coding as it is assumed the jar is completely working prior to this hour.

Coming Up

- There will be a pdf covering the midterm review (Week 8 content)
- The midterm exam will be held in the Week 8 online hour, any late case studies should be submitted prior to this online hour (-30%)
- Week 9 recording will show how to set up the AWS (with docker) environment.
- The Week 9 content only includes 1 video. However, there are 2 pdfs, one for the AWS setup and a 2nd one taking a closer look at Docker. BOTH pdfs have an associated quiz fyi.
- We will start the case 2 upgrades in week 10.