Web Technologies Usage

Client Site

iPhone-iPad
XAMPP on Windows 10
LAMPP on Ubuntu Desktop
Laravel/PHP/Eloquent/MariaDB/Apache
Spring MVC/Java
Eclipse IDE to code in Java
Atom to code in PHP/JS/CSS/HTML

Server Site

Centos Linux 7 Server
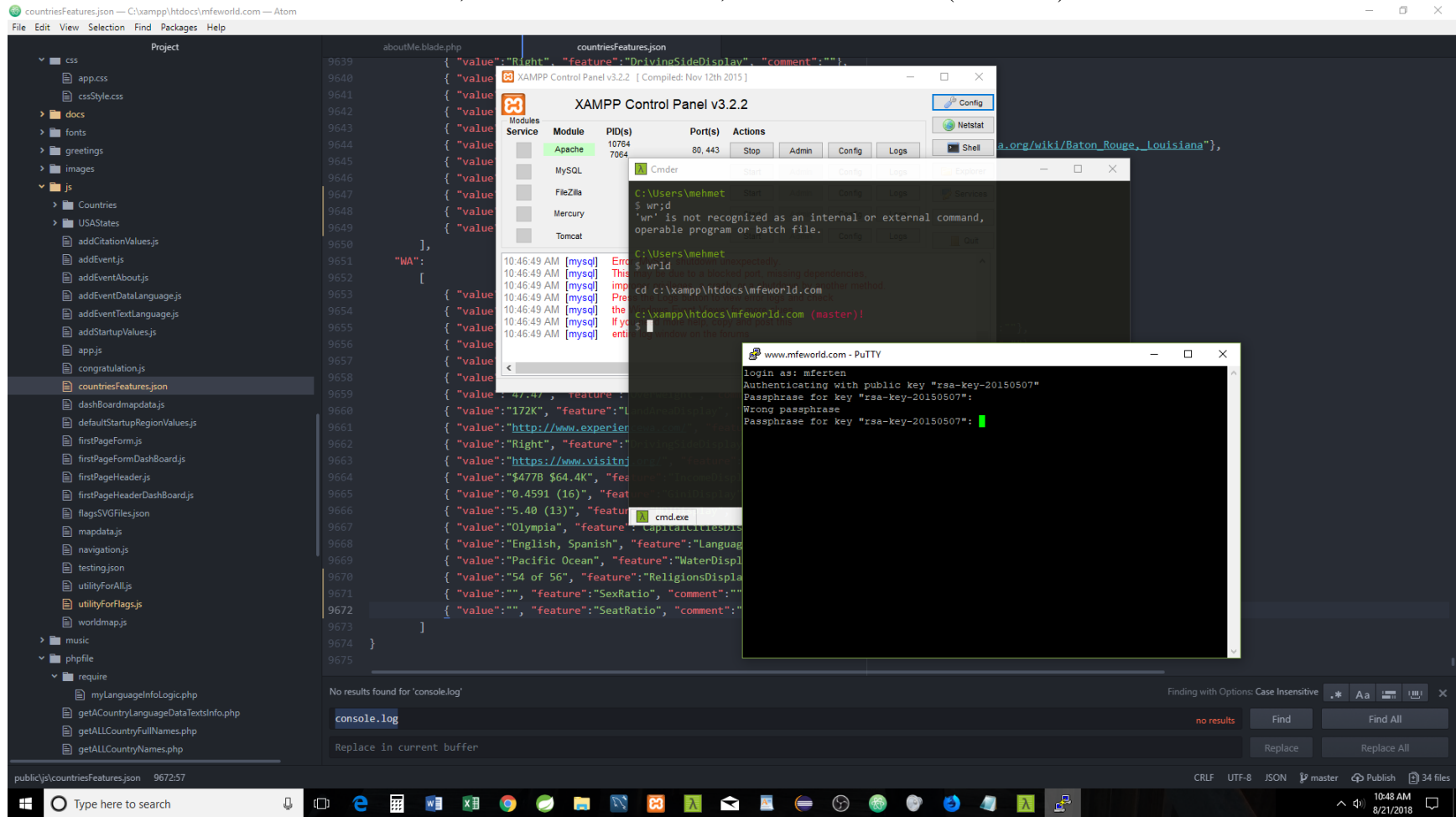**MariaDB SQL Server**
Apache Web Server
Tomcat Java Servlet Container
iRedMail Mail Server

Git and GitHub is integrated with the development
(CSCI E-15 heritage)

Atom, XAMPP Control Panel, Cmder and PuTTY (Windows)

Firefox Developer Edition and

Regions

Africa Asia Europe North America Oceania South America

Anguilla	Antigua	Bahamas	Barbados	Belize	Bermuda	Bonaire	BVI	Canada	Cayman	Costa Rica	Cuba	Curaçao	Dominica	Dominican	El Salvador
Greenland	Grenada	Guadeloupe	Guatemala	Haiti	Honduras	Jamaica	Martinique	Mexico	Montserrat	Nicaragua	Panama	Puerto Rico	Barthélemy	St Kitts	St Lucia
		St Martin	St Pierre	St Vincents	St Maarten	Trinidad	Turks Caicos	USA	USVI						

Play ▶

Mexico

🇺🇸 English

Map Made a difference Children Music People Animals Shopping Food Liveability

Language Spanish
Population 129.16M
Religion Christianity
Surface Area 1.96M km2
Income $1T $8981
Overweight 64.9%
Life 76 F79 M74
Capital Mexico City
Codes MX MEX 52 MX
Currency Peso MXN
Water Pacific Ocean...
Sex Ratio 99.2
Seat Ratio 42.6%
Development 0.762 High
Equality 48.2

Driving Side Right
Potable Water 94.65%
Clean Restroom 81.25%
Cell Phone 85.3
R&D 0.5% GDP
Internet 57.4%
Travel Warning
Date & Time
Google Map
Government
Tourism
Weather
Wiki
CIA
United Nations

Coahuila
State description

Nice to Meet the World

Regions

Africa Asia Europe North America Oceania South America

Anguilla Antigua Bahamas Barbados Belize Bermuda Bonaire BVI Canada Cayman Costa Rica Cuba Curaçao Dominica Dominican El Salvador Greenland Grenada

Guadeloupe Guatemala Haiti Honduras Jamaica Martinique Mexico Montserrat Nicaragua Panama Puerto Rico Barthélemy St Kitts St Lucia St Martin St Pierre St Vincents St Maarten

Trinidad Turks Caicos USA USVI

Play ⊙

Canada

🇬🇧 English

Map Made a difference Children Music People Animals Shopping Food Liveability

Language English ...	Driving Side Right
Population 36.62M	Potable Water 99.5%
Religion Christianity	Clean Restroom 99.5%
Surface Area 9.98M km2	Cell Phone 81.9
Income $1.55T $43000	R&D 1.6% GDP
Overweight 64.1%	Internet 88.5%
Life 82 F84 M80	Travel Warning
Capital Ottawa	Date & Time
Codes CA CAN 1 CA	Google Map
Currency Dollar CAD	Government
Water Pacific...	Tourism
Sex Ratio 98.5	Weather
Seat Ratio 26.3%	Wiki
Development 0.92 High	CIA
Equality 32.1	United Nations

Nunavut
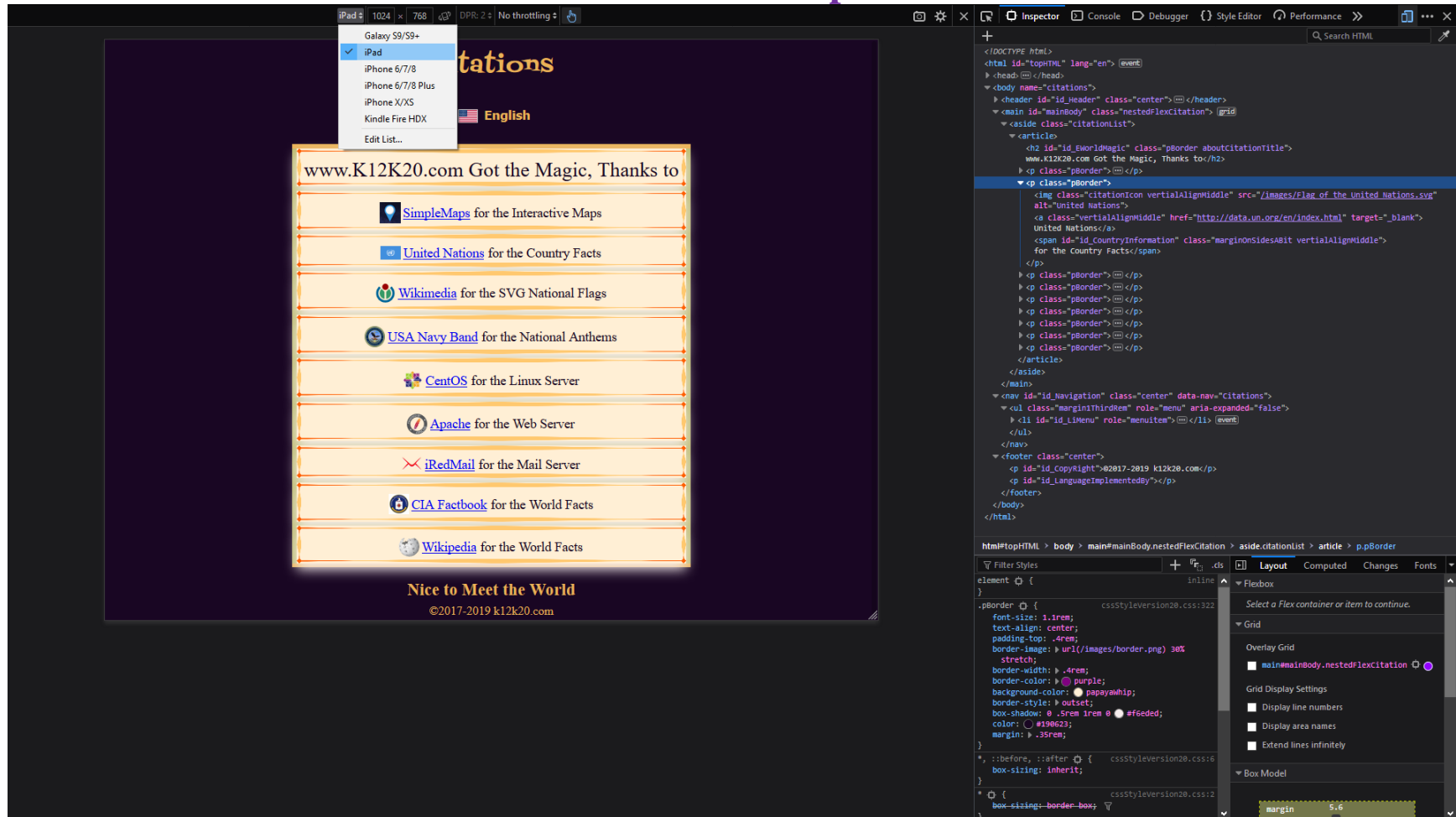Greetings From Nunavut, How you're doing?

NT NU YT AB SK MB BC

The browsers help to code the responsive design interactively
Chrome
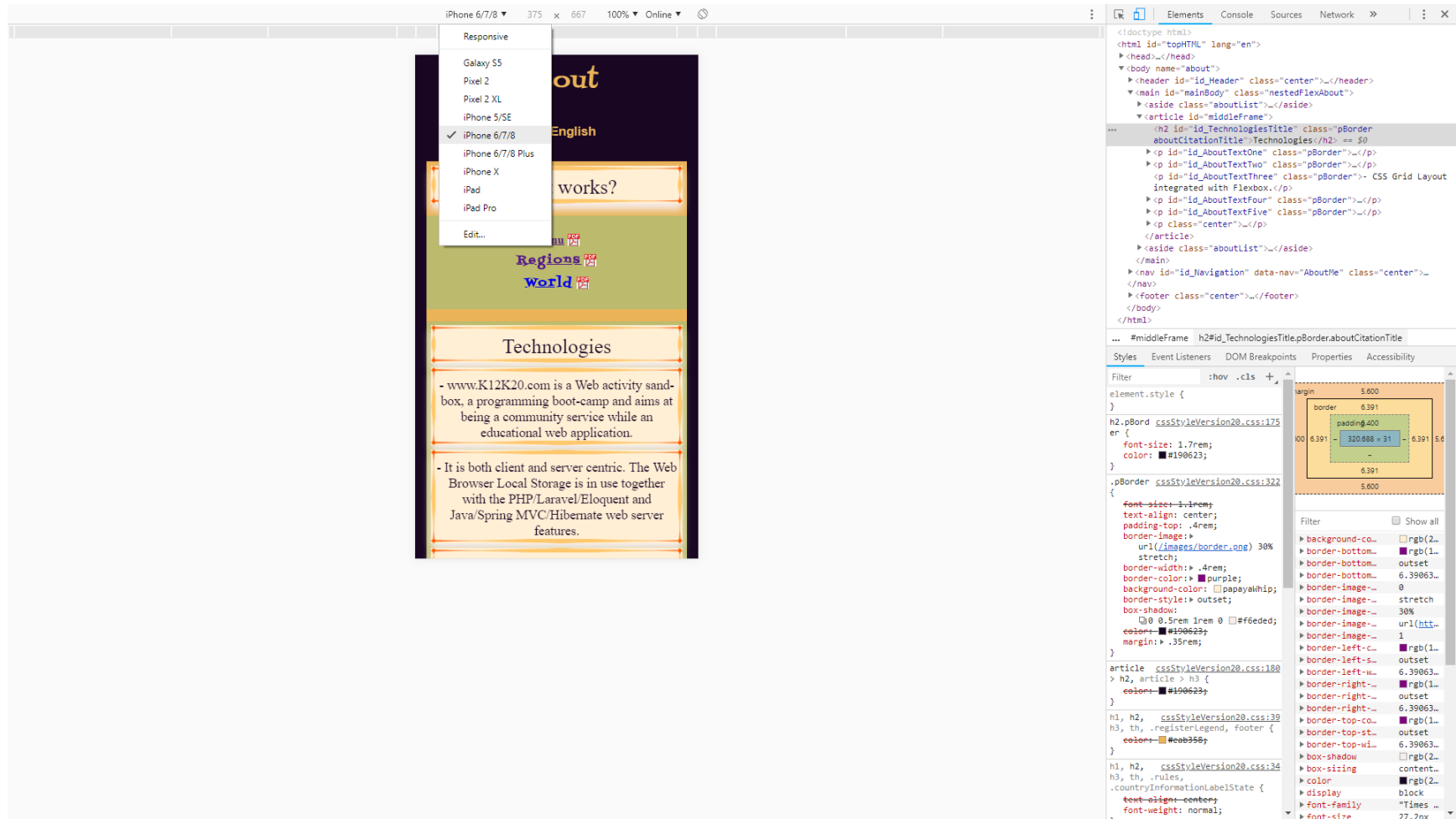
Firefox Developer

Client Site Browser Local Storage is in use
Chrome

Countries

Pause ⏸ *Countries* 🇺🇸 English

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z ᴬ⁻ᶻ

Country ▽	Region ▽	Capital ▽	Largest	Population △	Surface △	Income △	Country Codes
Afghanistan	Asia	Kabul 13.05%		35.53M 0.46%	652.86K 0.44%	21.00B 0.02%	AF, AFG, 4, AF, 93
Åland Islands	Europe	Mariehamn 39.23%		30.00K 0.00%	1.58K 0.00%	0	AX, ALA, 248, , 358
Albania	Europe	Tirana 15.48%		2.93M 0.04%	28.75K 0.02%	15.00B 0.02%	AL, ALB, 8, AL, 355
Algeria	Africa	Algiers 6.28%		41.32M 0.54%	2.38M 1.60%	634.70B 0.73%	DZ, DZA, 12, AG, 213
American Samoa	Oceania	Pago Pago 86.25%		56.00K 0.00%	199 0.00%	711.00M 0.00%	AS, ASM, 16, AQ, 1 684
Andorra	Europe	Andorra la Vella 30.39%		77.00K 0.00%	468 0.00%	3.25B 0.00%	AD, AND, 20, AN, 376

Nice to Meet the World

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Firefox Developer Edition

World

Country ☐ Population ☐ Surface Area ☐ Language ☐ Religion ☐ Reports ☐ 🇺🇸 **English**

Pause ⏸ **World** Combine **X & l !**

Cell Phone ▾	Income ▾
Internet ▾	Overweight ▾
R&D ▾	Water ▾
Color 1 ▾	Life ▾
Color 2 ▾	Capital ▾
Color 3 ▾	Driving Side ▾
Shape 1 ▾	Sex Ratio ▾
Shape 2 ▾	Seat Ratio ▾
Shape 3 ▾	Potable Water ▾
	Clean Restroom ▾

Nice to Meet the World

Inspector | **Console** | **Debugger** | **Style Editor** | **Storage** »

- ▸ Cache Storage
- ▾ Cookies
  - 🌐 http://k12k20.com
- ▸ Indexed DB
- ▾ Local Storage
  - 🌐 http://k12k20.com
- ▸ Session Storage

Filter items

Key	Value
startupValues	{"versionNumber":"1.95","language":"appLanguageToUseOption1","languageText":"USA-English","regi...

Filter values

▾ Data
startupValues: "{"versionNumber":"1.95","language":"appLanguageT...dStatesofAmerica","UnitedStatesVirginIslands"]}"

▾ Parsed Value
▾

▾ startupValues: Object
    versionNumber: "1.95"
    language: "appLanguageToUseOption1"
    languageText: "USA-English"
    region: "NorthAmerica"
    isSoundOff: false
    combine: "id_RadioCombineAndSearch"
    isReverse: false
    startWith: "id_MenuStart"
  ▾ applicationLanguageText: Object
      id_Required: "required"
      id_World: "World"
      id_Africa: "Africa"
      id_Asia: "Asia"
      id_Europe: "Europe"
      id_Income: "Income"
      id_IncomeDisplay: "Income"
      id_DrivingSideDisplay: "Driving Side"
      id_DrivingSide: "Driving Side"
      id_WeatherDisplay: "Weather"
      id_SeatRatioDisplay: "Seat Ratio"
      id_WikiCountryDisplay: "Wiki"
      id_CIACountryDisplay: "CIA"
      id_TravelWarningDisplay: "Travel Warning"
      id_SexRatio: "Sex Ratio"
      id_SexRatioDisplay: "Sex Ratio"
      id_NorthAmerica: "North America"
      id_Oceania: "Oceania"
      id_SouthAmerica: "South America"
      id_Reports: "Reports"
      id_SeatRatio: "Seat Ratio"
      id_CellDisplay: "Cell Phone"

Spring MVC – Java/Eclipse and Tomcat will be used as a "Data and Logic" center
It will be available for the application if needed.
Tomcat/Spring MVC Java will be utilized as pure server operation: Data retrieval and data-processing (application logic) only
There will be no Java Web activities beyond the AJAX calls.
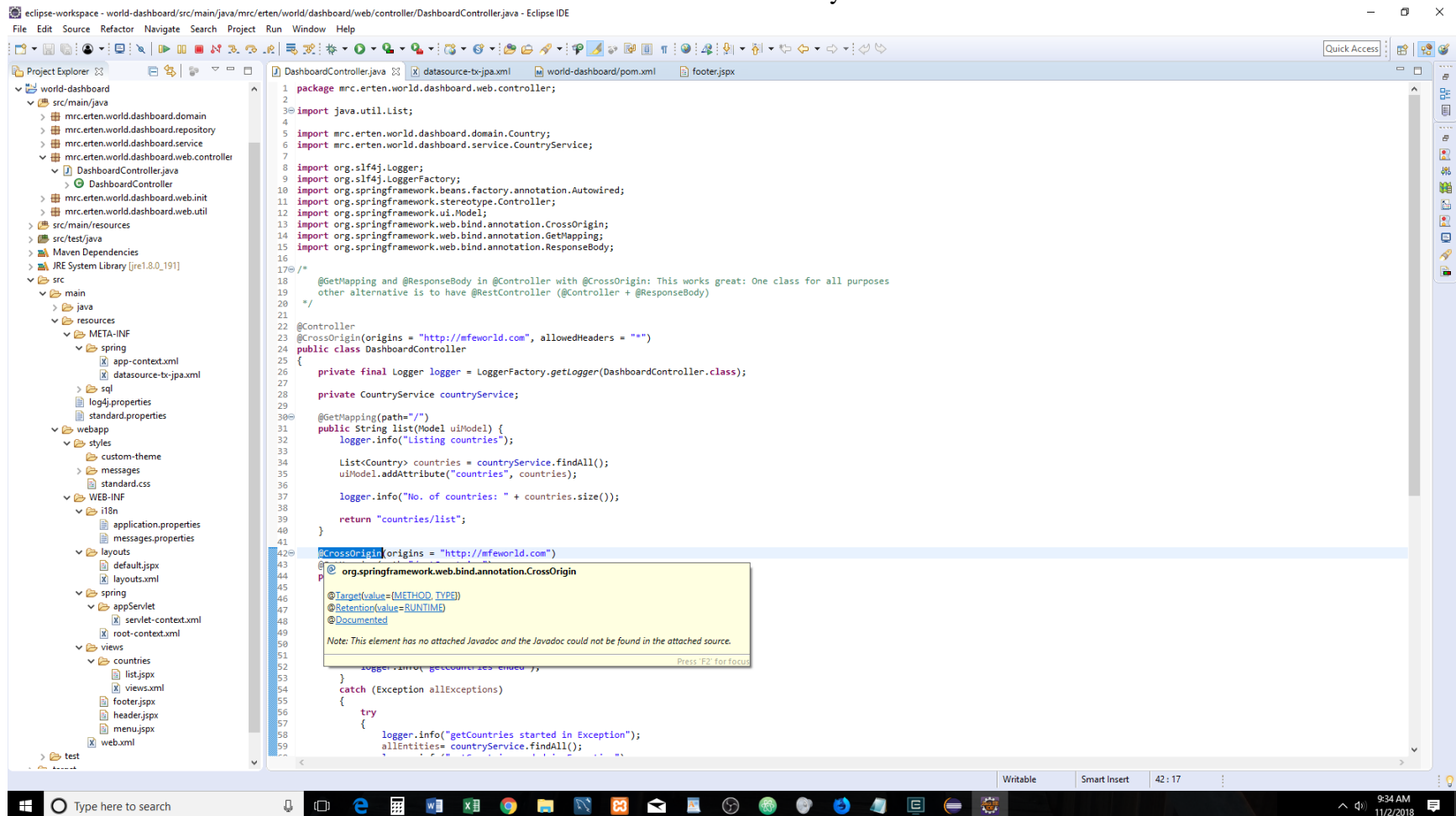
Spring MVC will handle the AJAX calls which manages Cross-origin resource sharing (CORS) very effectively and easily.

Apache Tomcat handles the Web and Ajax activities for Spring MVC-Java Server environment

Apache Tomcat/9.0.12

APACHE SOFTWARE FOUNDATION
http://www.apache.org/

If you're seeing this, you've successfully installed Tomcat. Congratulations!

Recommended Reading:

Security Considerations HOW-TO

Manager Application HOW-TO

Clustering/Session Replication HOW-TO

Server Status

Manager App

Host Manager

Developer Quick Start

Tomcat Setup	Realms & AAA	Examples	Servlet Specifications
First Web Application	JDBC DataSources		Tomcat Versions

Managing Tomcat

For security, access to the manager webapp is restricted. Users are defined in:

`$CATALINA_HOME/conf/tomcat-users.xml`

In Tomcat 9.0 access to the manager application is split between different users. Read more...

Release Notes

Changelog

Migration Guide

Security Notices

Documentation

Tomcat 9.0 Documentation

Tomcat 9.0 Configuration

Tomcat Wiki

Find additional important configuration information in:

`$CATALINA_HOME/RUNNING.txt`

Developers may be interested in:

Tomcat 9.0 Bug Database

Tomcat 9.0 JavaDocs

Tomcat 9.0 SVN Repository

Getting Help

FAQ and **Mailing Lists**

The following mailing lists are available:

tomcat-announce
Important announcements, releases, security vulnerability notifications. (Low volume).

tomcat-users
User support and discussion

taglibs-user
User support and discussion for Apache Taglibs

tomcat-dev
Development mailing list, including commit messages