Web Technologies Usage

Client Site

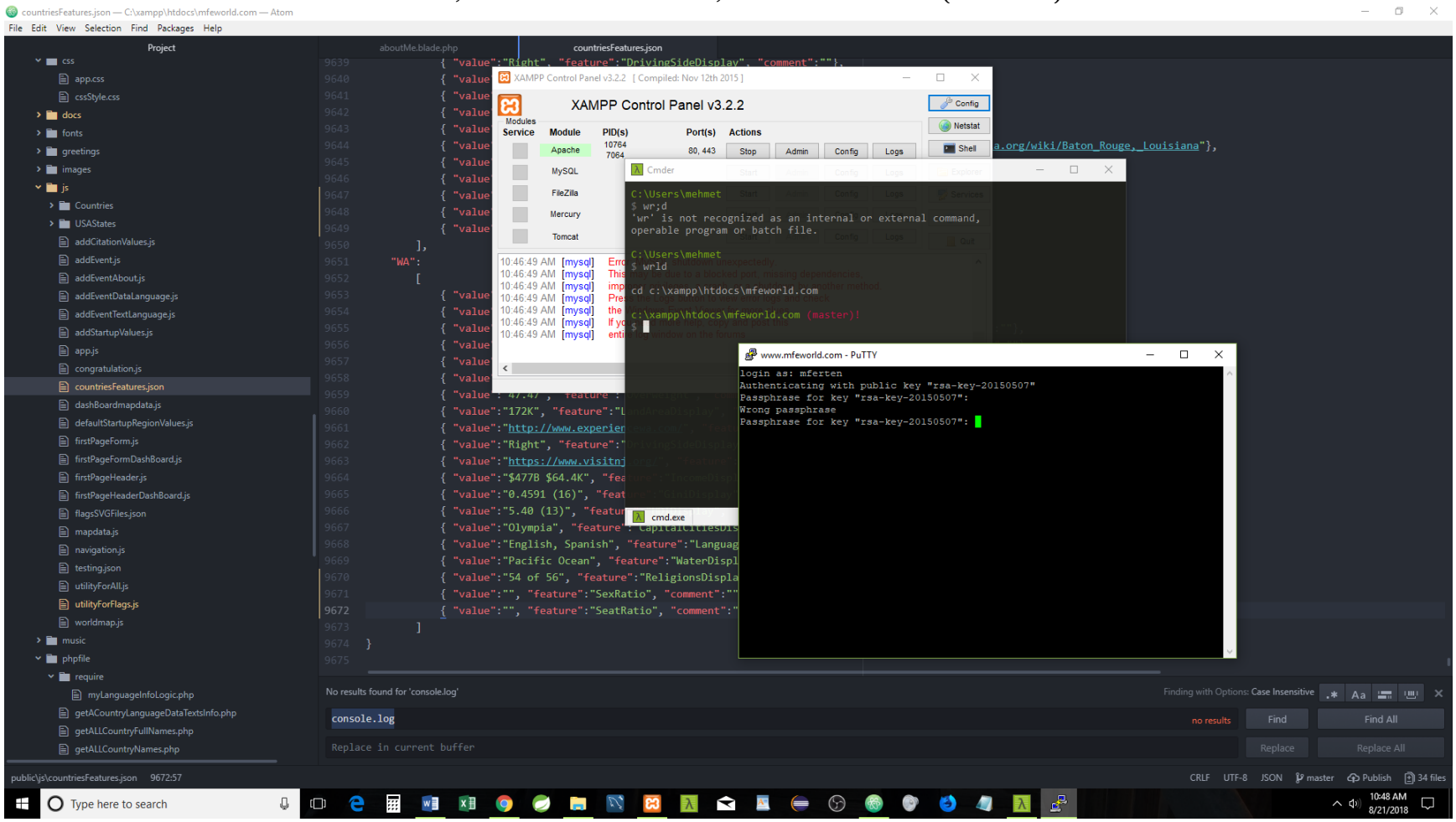
iPhone-iPad
XAMPP on Windows 10
LAMPP on Ubuntu Desktop
Laravel/PHP/Eloquent/MariaDB/Apache
Spring MVC/Java
Eclipse IDE to code in Java
Atom to code in PHP/JS/CSS/HTML

Server Site

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

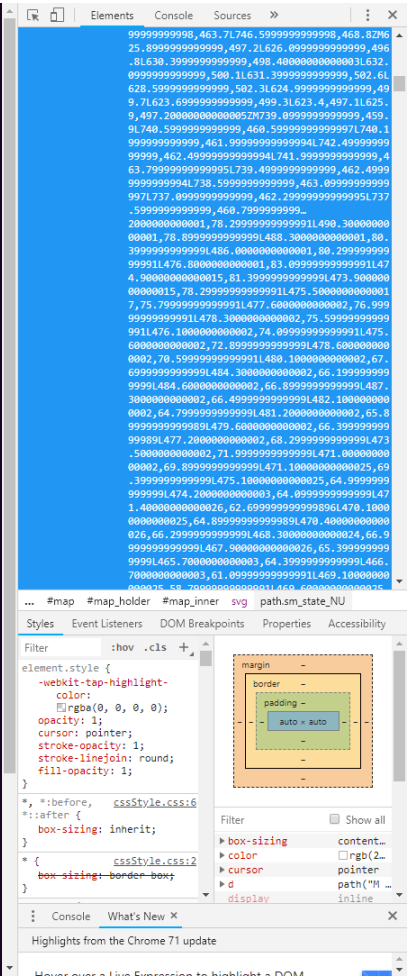
Git and GitHub is integrated with the development
(CSCI E-15 heritage)

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

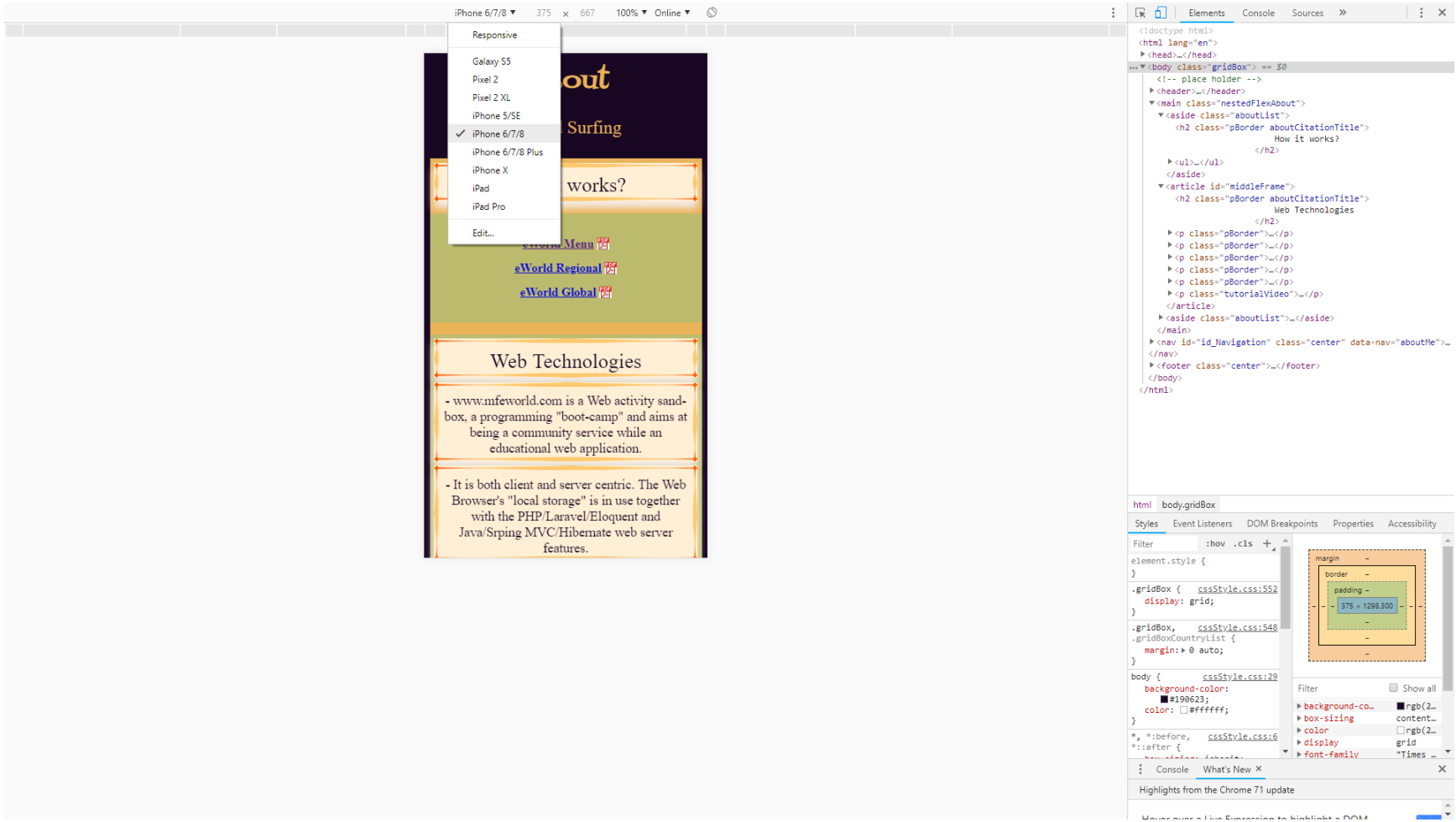


Firefox Developer Edition and

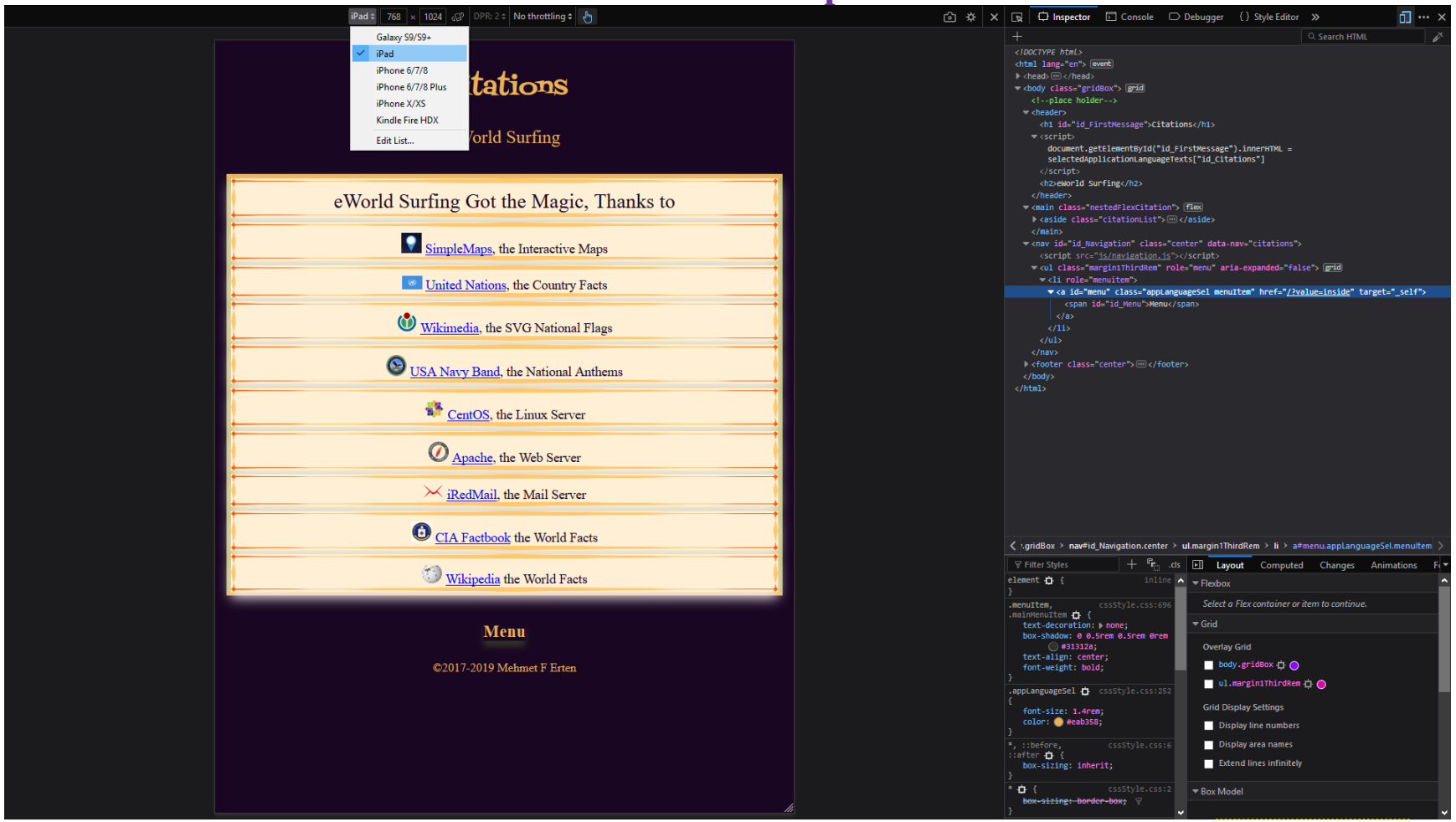
Google Chrome are in use



The browsers help to code the responsive design interactively
Chrome



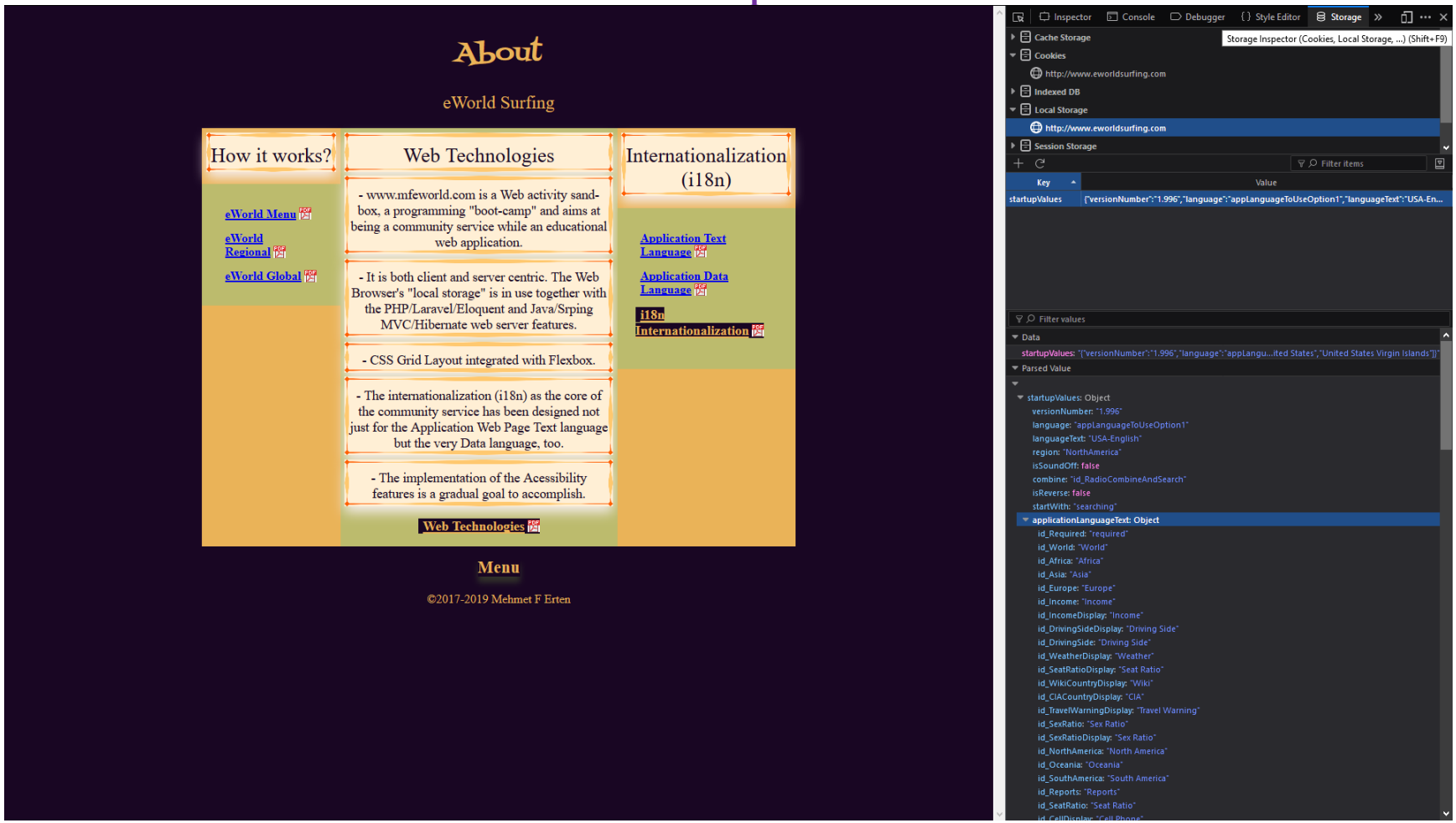
Firefox Developer



Client Site Browser Local Storage is in use

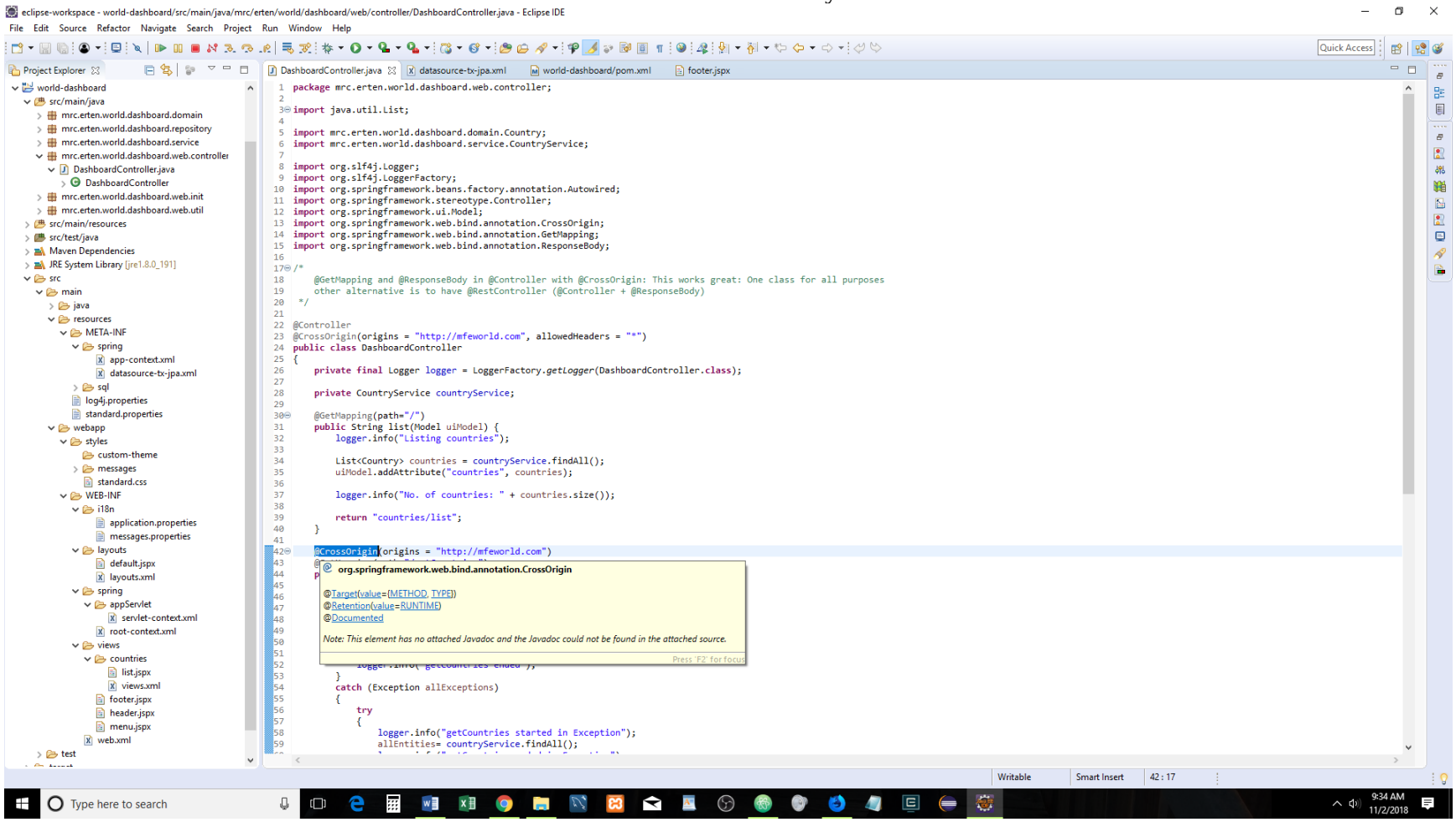
Chrome

Firefox Developer Edition



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

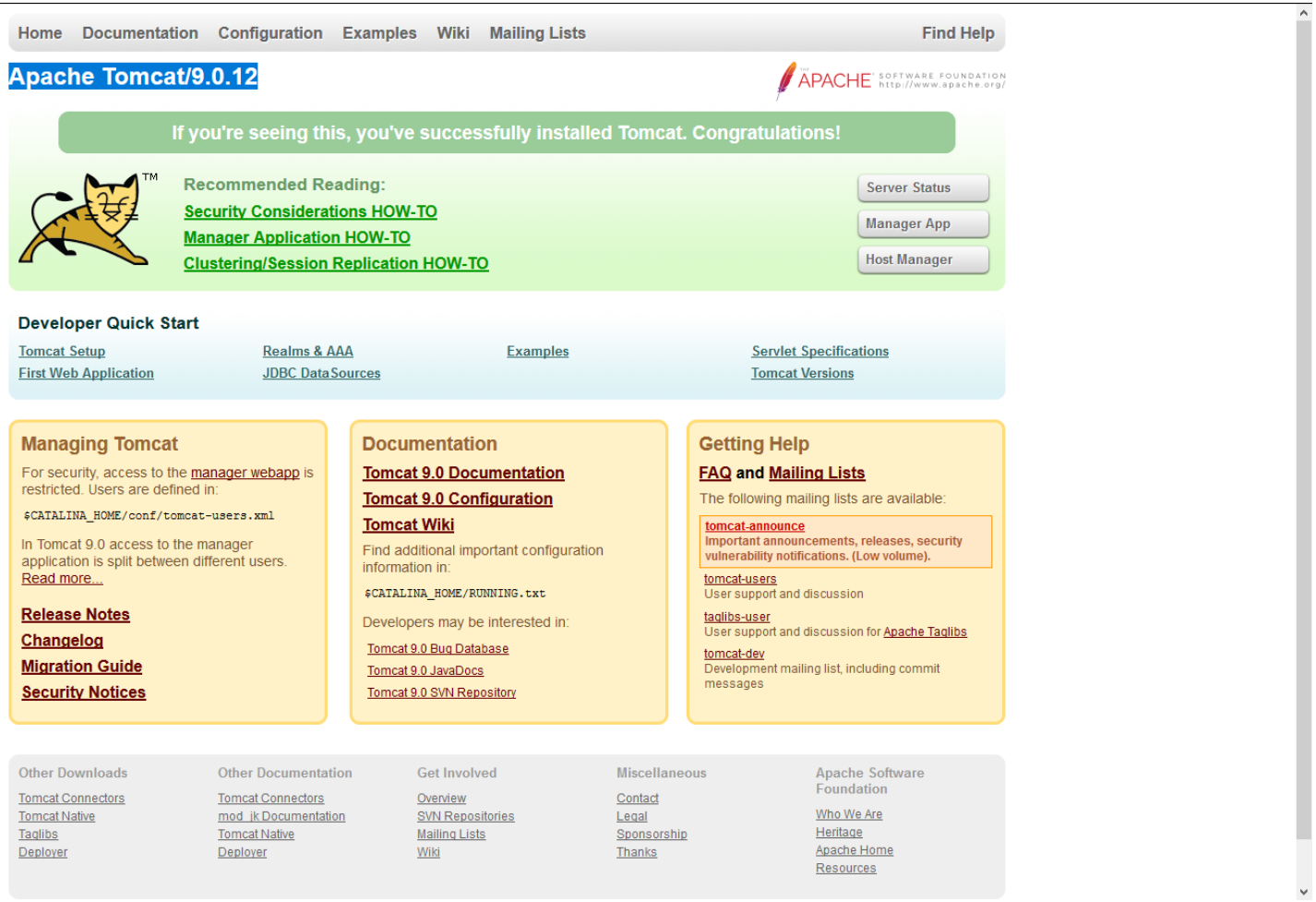
There will be no Java Web activities beyond the AJAX calls.




```java
package mrc.erten.world.dashboard.web.controller;

import java.util.List;

import mrc.erten.world.dashboard.domain.Country;
import mrc.erten.world.dashboard.service.CountryService;

import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
import org.springframework.beans.factory.annotation.Autowired;
import org.springframework.stereotype.Controller;
import org.springframework.ui.Model;
import org.springframework.web.bind.annotation.CrossOrigin;
import org.springframework.web.bind.annotation.GetMapping;
import org.springframework.web.bind.annotation.ResponseBody;

/*
    @GetMapping and @ResponseBody in @Controller with @CrossOrigin: This works great: One class for all purposes
    other alternative is to have @RestController (@Controller + @ResponseBody)
 */

@Controller
@CrossOrigin(origins = "http://mfeworld.com", allowedHeaders = "*")
public class DashboardController
{
    private final Logger logger = LoggerFactory.getLogger(DashboardController.class);

    private CountryService countryService;

    @GetMapping(path="/")
    public String list(Model uiModel) {
        logger.info("Listing countries");

        List<Country> countries = countryService.findAll();
        uiModel.addAttribute("countries", countries);

        logger.info("No. of countries: " + countries.size());

        return "countries/list";
    }

    @CrossOrigin(origins = "http://mfeworld.com")
    }
    catch (Exception allExceptions)
    {
        try
        {
            logger.info("getCountries started in Exception");
            allEntities= countryService.findAll();
```

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


Home Documentation Configuration Examples Wiki Mailing Lists Find Help
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
Other Downloads
Tomcat Connectors
Tomcat Native
Taglibs
Deployer
Other Documentation
Tomcat Connectors
mod_jk Documentation
Tomcat Native
Deployer
Get Involved
Overview
SVN Repositories
Mailing Lists
Wiki
Miscellaneous
Contact
Legal
Sponsorship
Thanks
Apache Software Foundation
Who We Are
Heritage
Apache Home
Resources