Lab 2 - Use the Cordova CLI to add the MFP v8.0 Cordova Plugin

In this lab, we will use the Cordova CLI to add the MobileFirst Cordova plugin, These will be the typical steps you will need to go through when you want to add plugins to your application, adding the MobileFirst plugin will allow your app to use the MobileFirst platform different features. General Steps:

1. Within the Ionic application you will run Cordova CLI command to add the plugin.
2. Use the MobileFirst CLI to preview the application to make sure, the plugin was successfully added.

Steps

1. Change context into the MobileFirst project.

   ```
   cd IBMEmployeeApp
   ```

2. **Add** the iOS platform, run the following command cordova platform add ios (we didn't check the platform folder to our git-repo so you will need to add it yourself)

   ```
   cordova platform add ios
   ```

   ```
   Elirans-MacBook-Pro:MadridMFPLab eliran_pro$ cordova platform add ios
   Adding ios project...
   iOS project created with cordova-ios@4.1.1
   ```

3. **Run** the cordova plugin add cordova-plugin-mfp (running this command will add some additional plugins to our project like: cordova-plugin-device, cordova-plugin, globalization fetch.json, cordova-plugin-dialogs, cordova-plugin-mfp)

   ```
   cordova plugin add cordova-plugin-mfp
   ```

```
                mongod              node              bash              node              bash              bash
Elirans-MacBook-Pro:IBMEmployeeApp eliran_pro$ cordova plugin add cordova-plugin-mfp
Fetching plugin "cordova-plugin-mfp" via npm
Installing "cordova-plugin-mfp" for ios
Dependent plugin "cordova-plugin-device" already installed on ios.
Fetching plugin "cordova-plugin-dialogs" via npm
Installing "cordova-plugin-dialogs" for ios
Fetching plugin "cordova-plugin-globalization" via npm
Installing "cordova-plugin-globalization" for ios
cp: no such file or directory: /Users/eliran_pro/Documents/projects/Madrid2016/IBMEmployeeApp/platforms/ios/Employee/main.m

If you made changes to your main.m file, manually merge main.m.bak with the main.m file that is provided with IBM MobileFirst Platform Foundation.
Elirans-MacBook-Pro:IBMEmployeeApp eliran_pro$ █
```

4. **Start** the mobile first server, navigate to your mobile first server installation folder and run the following
    command

    ```
    ./run.sh
    ```

```
Elirans-MacBook-Pro:mfp-server-all-in-one eliran_pro$ ./run.sh
Picked up JAVA_TOOL_OPTIONS: -DwlDevEnv=true
objc[25473]: Class JavaLaunchHelper is implemented in both /Library/Java/JavaVirtualMa
chines/jdk1.7.0_80.jdk/Contents/Home/jre/bin/java and /Library/Java/JavaVirtualMachine
s/jdk1.7.0_80.jdk/Contents/Home/jre/lib/libinstrument.dylib. One of the two will be us
ed. Which one is undefined.
Listening for transport dt_socket at address: 10777
Launching mfp (WebSphere Application Server 8.5.5.8/wlp-1.0.11.cl50820151201-1942) on
Java HotSpot(TM) 64-Bit Server VM, version 1.7.0_80-b15 (en_US)
[AUDIT   ] CWWKE0001I: The server mfp has been launched.
```
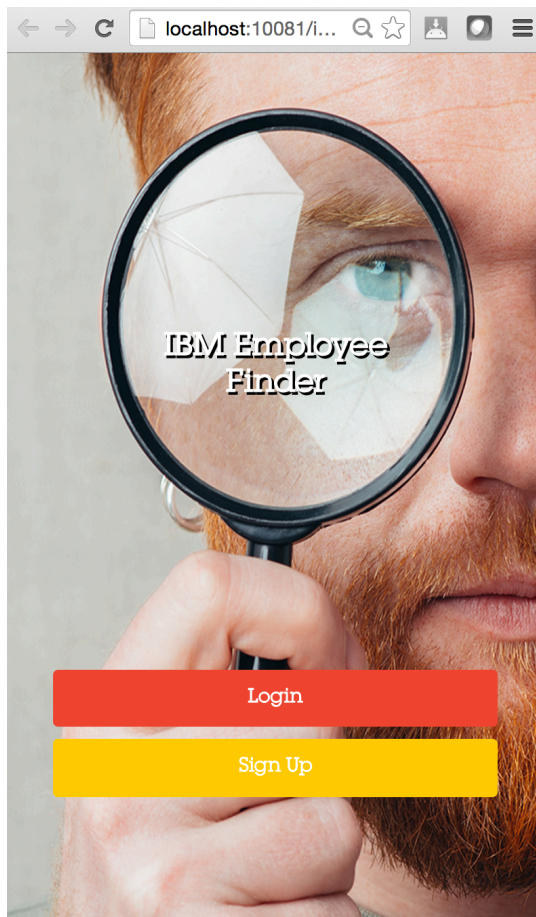
5. **Run** the mfpdev app preview

    ```
    mfpdev app preview
    ```

```
Elirans-MacBook-Pro:IBMEmployeeApp eliran_pro$ mfpdev app preview
Verifying server configuration...
? Select how to preview your app: browser: Simple browser rendering
The CLI preview will remove the Content-Security-Policy meta tag during preview to allow the live reload to function in a browser. Please ignore the '
No Content-Security-Policy' error messages from whitelist.js in a browser's debugger console.
[BS] Access URLs:
   --------------------------------
        Local: http://localhost:10081
     External: http://10.0.1.5:10081
   --------------------------------
           UI: http://localhost:3001
  UI External: http://10.0.1.5:3001
   --------------------------------
[BS] Serving files from: ./platforms
Launching browser.
```

6. You will see the app start on your default browser

Summary

In this lab, you enabled the MobileFirst Platform functionality for your existing Ionic/Cordova application by simply use the Cordova plugin add command If you were unable to complete this lab, you can catch up by running this command: ** **You will still need to add the iOS platform and the mfp cordova plugin manually since the plugin folder is not committed to the git repo**

```
git checkout -f step-2
```