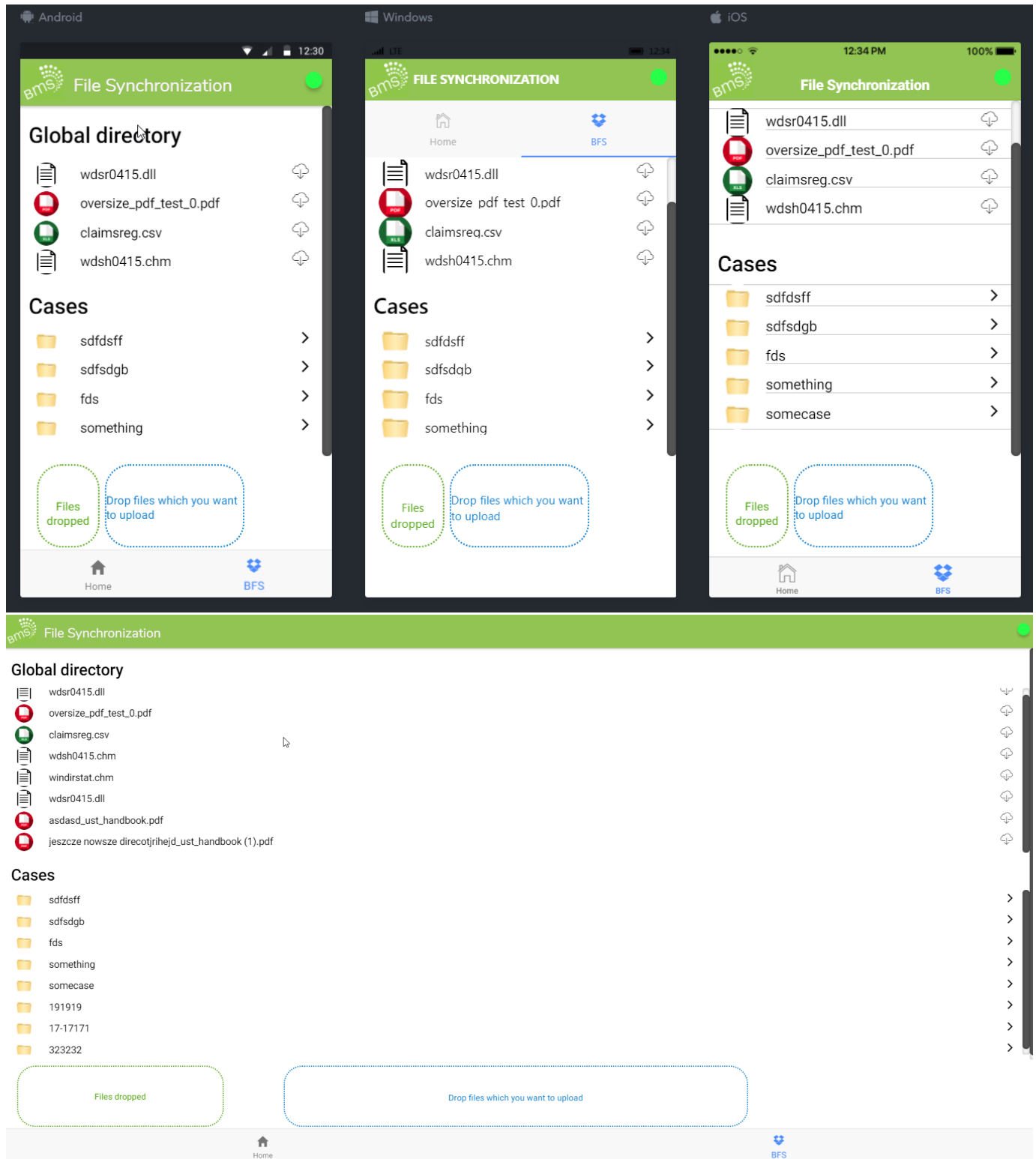
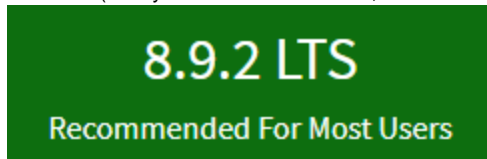


BMSFS Mobile/Hybrid application



Requirements:

- JAVA JDK 8
- NODE JS (Always install stable version, not the newest one)



- ANDROID SDK (CLI)
- GRADLE

I. NodeJs

<https://nodejs.org/en/>

After installing NodeJS you are able to use "**npm**" command from CMD which is responsible for installing stuff from NPM repository

Next step is to install ionic framework and cordova tools

<https://ionicframework.com/getting-started/>

npm install -g cordova ionic

(-g -globally)

II. Android SDK

You will need just the command line tools

<https://dl.google.com/android/repository/sdk-tools-windows-3859397.zip>

- Unzip to C:\android-sdk (Preferred path)
- Create ENV Variables for ANDROID_HOME

System variables	
Variable	Value
ANDROID_HOME	C:\android-sdk

- Add to PATH

```
%ANDROID_HOME%\tools
%ANDROID_HOME%\platform-tools
```

Then run:

<https://developer.android.com/studio/command-line/sdkmanager.html>

```
sdkmanager "platform-tools" "platforms;android-26"
```

```
sdkmanager "build-tools;26.0.2"
```

After that you should have something like that

> This PC > Local Disk (C:) > android-sdk				
Name	Date modified	Type	Size	
build-tools	03.11.2017 13:52	File folder		
licenses	03.11.2017 13:50	File folder		
platforms	03.11.2017 13:52	File folder		
platform-tools	03.11.2017 13:51	File folder		
tools	03.11.2017 13:50	File folder		
.knownPackages	03.11.2017 14:04	KNOWNPACKAGE...		
sdk-tools-windows-3859397.zip	03.11.2017 13:49	WinRAR ZIP archive	135 2	

III. Gradle

<https://gradle.org/install/#manually>

<https://services.gradle.org/distributions/gradle-4.3.1-all.zip>

System variables as showed above in setting android variables

GRADLE	C:\Gradle\gradle-4.3
--------	----------------------

- Add to path

%GRADLE%\bin

in PATH

IV. Running application

- fetch from repository ****/bfs/mobileclient**
- ionic serve (to startup web application)**

```
C:\Users\stanislaw.wolny\Desktop\mobileclient>ionic serve
? Looks like a fresh checkout! No ./node_modules directory found. Would you like to install project dependencies? Yes
Installing dependencies may take several minutes!
> npm i
✓ Running command - done!
Starting app-scripts server: --address 0.0.0.0 --port 8100 --livereload-port 35729 --dev-logger-port 53703 --nobrowser -
Ctrl+C to cancel
```

- ionic cordova run android --device (to startup android/ios/windowsPhone (hybrid) application)**
- and deploy it straight on your phone connected to PC**

```
C:\Users\stanislaw.wolny\Desktop\mobileclient>ionic cordova run android --device
> cordova platform add android --save
Using cordova-fetch for cordova-android@6.3.0

Adding android project...

Creating Cordova project for the Android platform:
```

Make sure u turn on dev mode on your mobile (press 7 time build)

<https://www.greenbot.com/article/2457986/android/how-to-enable-developer-options-on-your-android-phone-or-tablet.html>

```
ANDROID_HOME=C:\android-sdk
JAVA_HOME=C:\Program Files\Java\jdk1.8.0_131
Error: Failed to deploy to device, no devices found.

[ERROR] An error occurred while running cordova run android --device (exit code 1).

C:\Users\stanislaw.wolny\Desktop\mobileclient>adb devices -l
List of devices attached
ce021712d4190d2e03    device product:hero2ltexx model:SM_G935F device:hero2lte
```