Team Learning Session 1 Meeting Notes:

TOPICS DISCUSSED:

S.NO	Topic
1	Framework SVN
2	Creating high level Framework min.js files
3	Referring Framework min.js files in HTML's
4	Creating application related min.js files
5	Running grunt tasks
6	Running test in Angular JS
7	UI Security

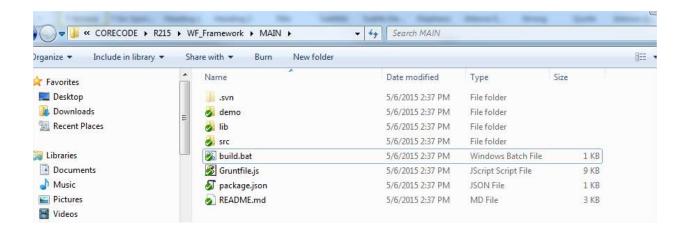
Date	05-06-2015
Topics Covered by:	Sudipta Sarkar
Document Compiled by:	Krishna Bodduluri
Document Version	1.0

Framework SVN URL:

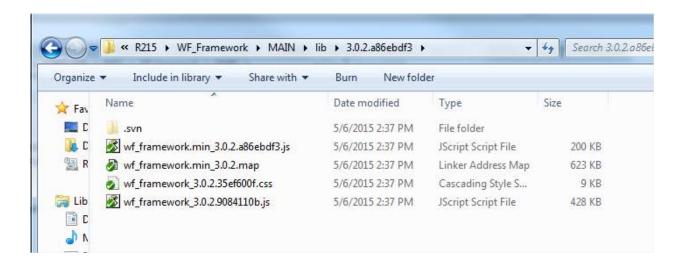
http://core-svn.dsm.tic.wellsfargo.com/subversion/core/WF_Framework/branches/MAIN

Creating high level Framework related min .js files

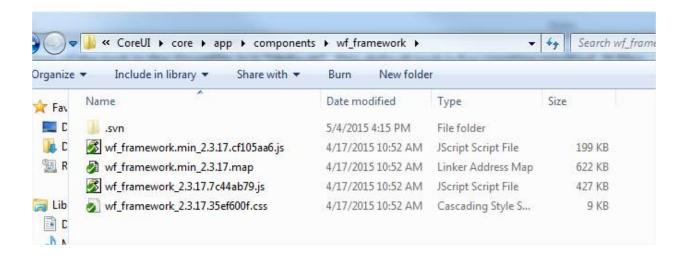
- 1. Build.bat file from below screen is important. Running this bat file will triggers the grunt command and invokes Gruntfile.js.
- 2. Process of Gruntfile.js is very similar to build.xml file in Ant.
- 3. Tasks in Guntfiles.js gets executed and minified files gets created after the succesfull run of grunt tasks.
- 4. Gruntfile.js can be run manually.
- 5. One of the task in the Gruntfile.js is "default". This default task is for creating minified .JS files.



- The purpose of Gruntfile.js mentioned in above screen is to create minified version of 4 high level framework related files as below. The version number will be coming from package.json file.
- 7. We have to manually change the version number in package.json file

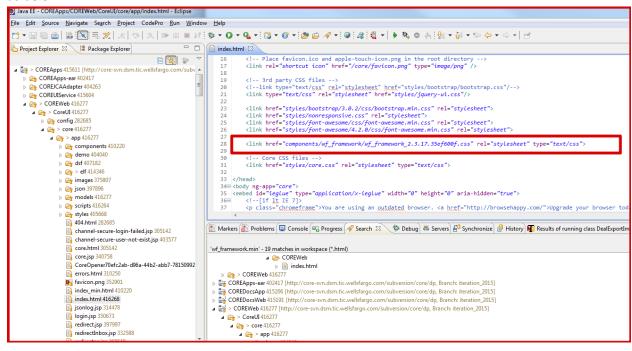


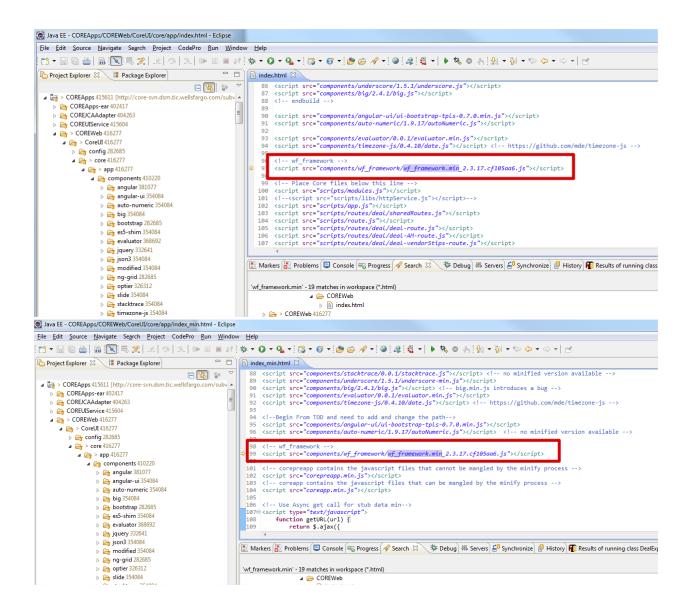
8. After the files got created from above step, we copy those files to Framework project.



Referring minified files in HTML:

1. After the minified files got created, we will reference them index.html and index_min.html page as below.





Creating application related min.js files

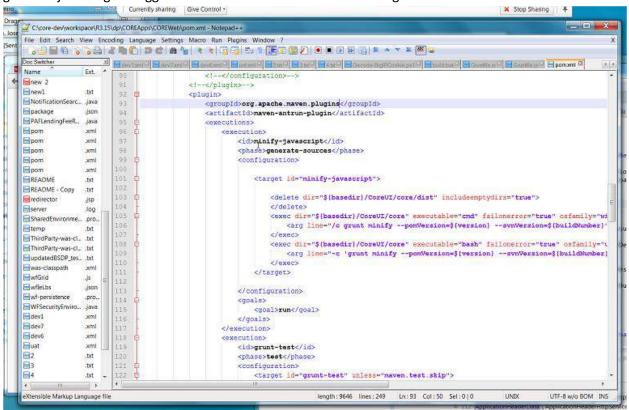
- 1. There is another gruntfile.js in COREWeb.
- 2. Purpose of this Gruntfile.js is to create minified js files related to application as below.

```
<u>File Edit Source Refactor Navigate Search Project CodePro Run Window Help</u>
Project Explorer 🛭 📙 Package Explorer
                                                                                      □ □ Gruntfile.js 🛭
                                                                                                                           'clean:minify',
                                                                                                                                                                          // remove temp files from dist dir.
// hash the coreapp.js file
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      COREJCAAdapter 404263
                                                                                                                    // Minify using ngAnnotate and uglify with mangle turned on
grunt.registerTask('minify', [
      ▶ COREUIService 415604
                                                                                                                           'clean:dist',
'string-replace:coreapp',
'jsvalidate',
      ▲ 🗁 > COREWeb 416277
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'/ mainty and concat js files coreapp.js file
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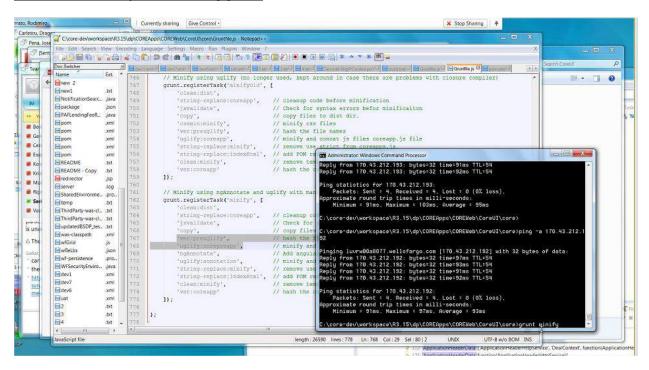
    ▷ 🔓 > app 416277
    ▷ 🗁 build

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                                                                                                     770
771
772
773
                    ⊳ 려 demo 290957
                   dist
                      node_modules 388393
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                    775
776
777 };
                                                                                                                   1);
                    🛮 🗿 Gruntfile.js 400347
                            △ IrSnippet
```

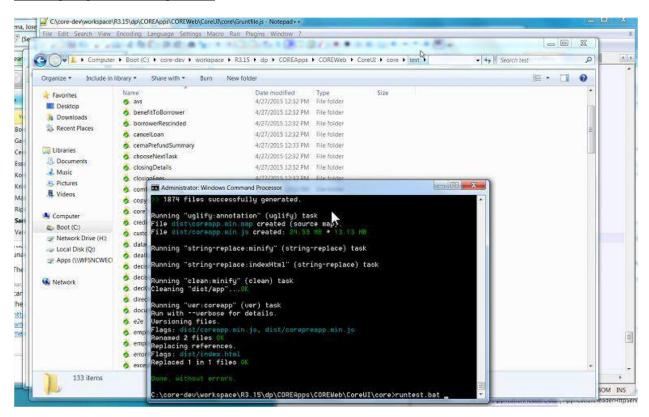
3. This gruntfile.js is configured with MAVEN. So, when ever there is a new build(even on DEV), this gruntfile.js tasks gets triggered and new minified versions of files gets created.



Command to minify the files using grunt:



Running single test in Angular JS:



E2E:

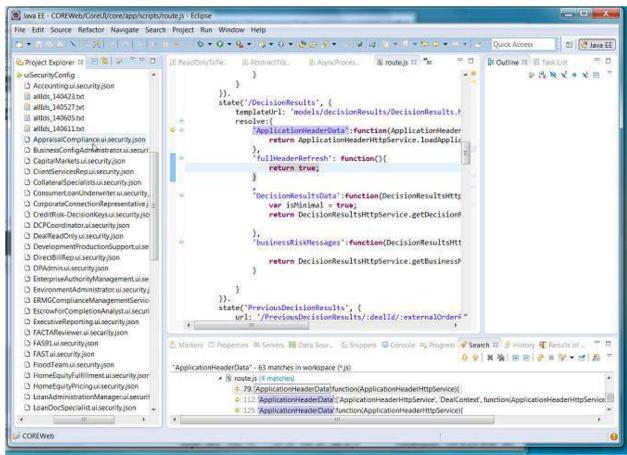
1. E2E- stands for end to end testing. With this process, we can test multiple screens. Since we don't have enough time, we are in the middle of making E2E workable.

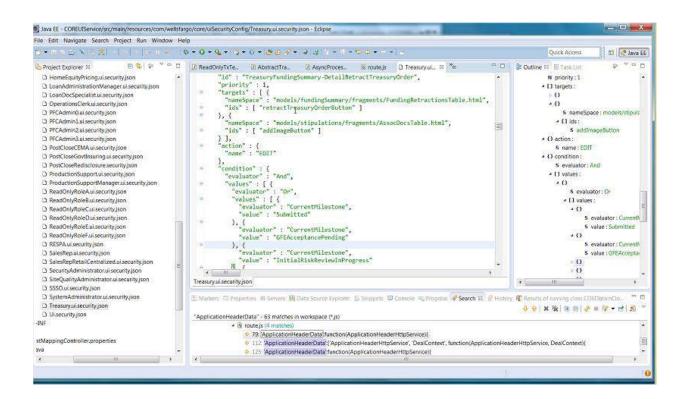
Plunker:

1. Plunker is for sharing any UI related work done in the open source editor only. WebStorm is the preferred way to develop any AngularJS related components.

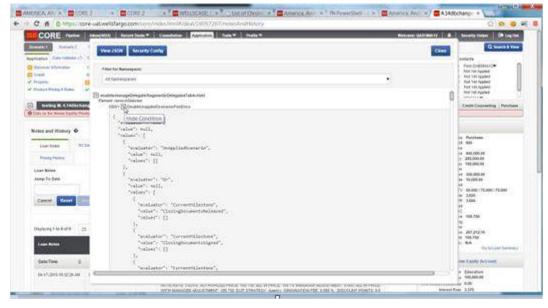
UI Security:

- 1. Most/All the UI pages has UI-Security enabled.
- 2. This UI-Security is driven by .json files. We are not using any DB or LDAP etc.. for UI Security.
- 3. In terms of UI-Security, each role has 1 JSON file. JSON files has all the rules related to security as below.

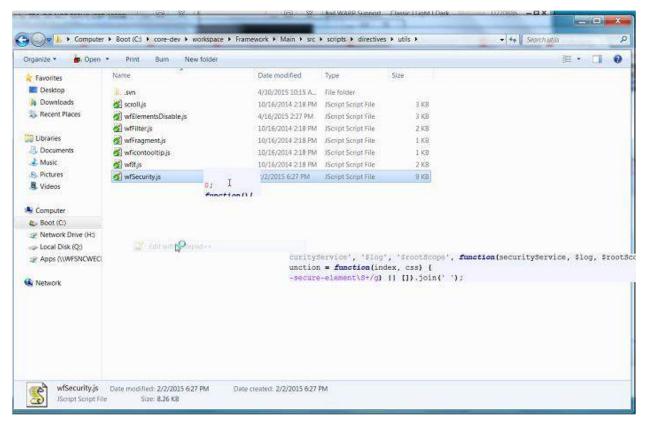


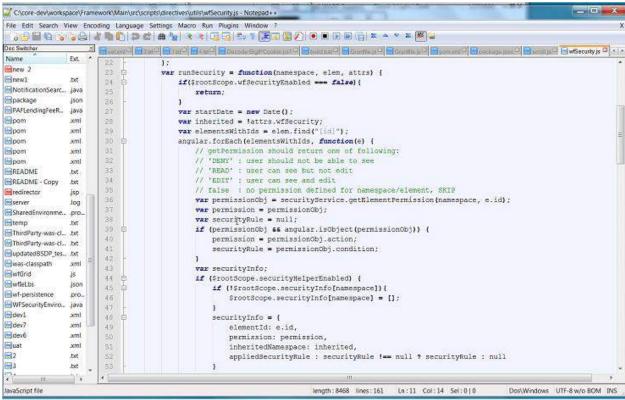


4. We have a Utility page in the application to test/verify the rules or security as below.



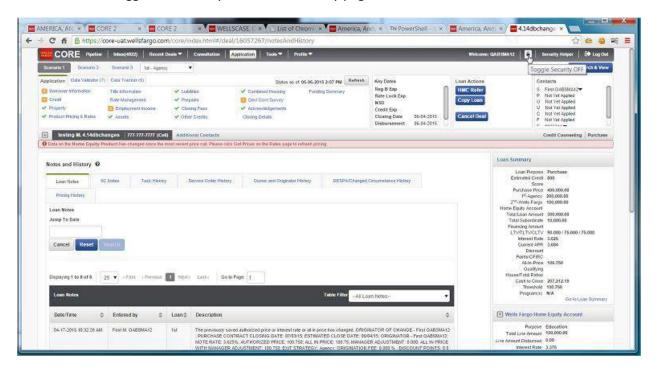
5. **wfSecurity.js** is the key file in terms of UI-Security components as below.





```
C\core-dev\workspace\Framework\Main\src\scripts\directives\utils\wfSecurity.js - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
                    Mariana 13 Maria Maria Maria Maria Maria
Name
mew 2
                                * Created by U318690 on 3/21/14.
mew1
NotificationSearc... java
                               * These directives relate to UI Security.
package
                 ison
PAFLendingFeeR. java
                               * wfSecure examines the permission as provided by the securityService to
pom
                xml
                               * determine whether to remove the element from the DOM (DENY),
                               * disable the element (READ) or allow full access (BDIT).
⊞pom
                 xml
Bpom
                 amil
                               'use strict';
Bpom
                 imx.
                               var totalTime = 0;
README
                 tet
                              pvar resetTime = function() {
README - Copy
                bit
                                   var time = totalTime;
@redirector
                 .isp
                                   totalTime = 0:
server
                 .log
SharedEnvironme....pro...
                                   return time;
                               angular.module('wf.framework')
ThirdParty-was-cl.....bd
                                   .directive('effscorty,', f'wfSccurityService', 'Slog', 'SrootScope', function(securityService, Slog, SrootScope
war removeAllSecureClassesFunction = function(index, css) {
ThirdParty-was-cl., .bd.
@updatedBSDP tes., .txt
                                            return (css.match(/\bwf-secure-element\S+/g) || []).join(' ');
was-classpath
               imix.
wfGrid:
                is
                                        var runSecurity = function(namespace, elem, attrs) {
-wffeLbs
                json
                                            if(SrootScope.wfSecurityEnabled --- false) (
                         24
wf-persistence
                .pro._
                                                return;
──WFSecurityEnviro... java
@dev1
                                            var startDate = new Date();
Fidey7
                 lms.
                                            war inherited = |attrs.wfSecurity:
⊞ dev6
                 .xml
                                            var elementsWithIds = elem.find("[id]");
Buat
                sml.
                                            angular.forBach(elementsWithIds, function(e) {
                                                // getPermission should return one of following:
// 'DENY' : user should not be able to see
B2
                .brt
₩3
                .txt
                                                                               Dos\Windows UTF-8 w/o BOM INS
JavaScript file
```

6. We can toggle the security on/off in the utility page as below.



Validators:

