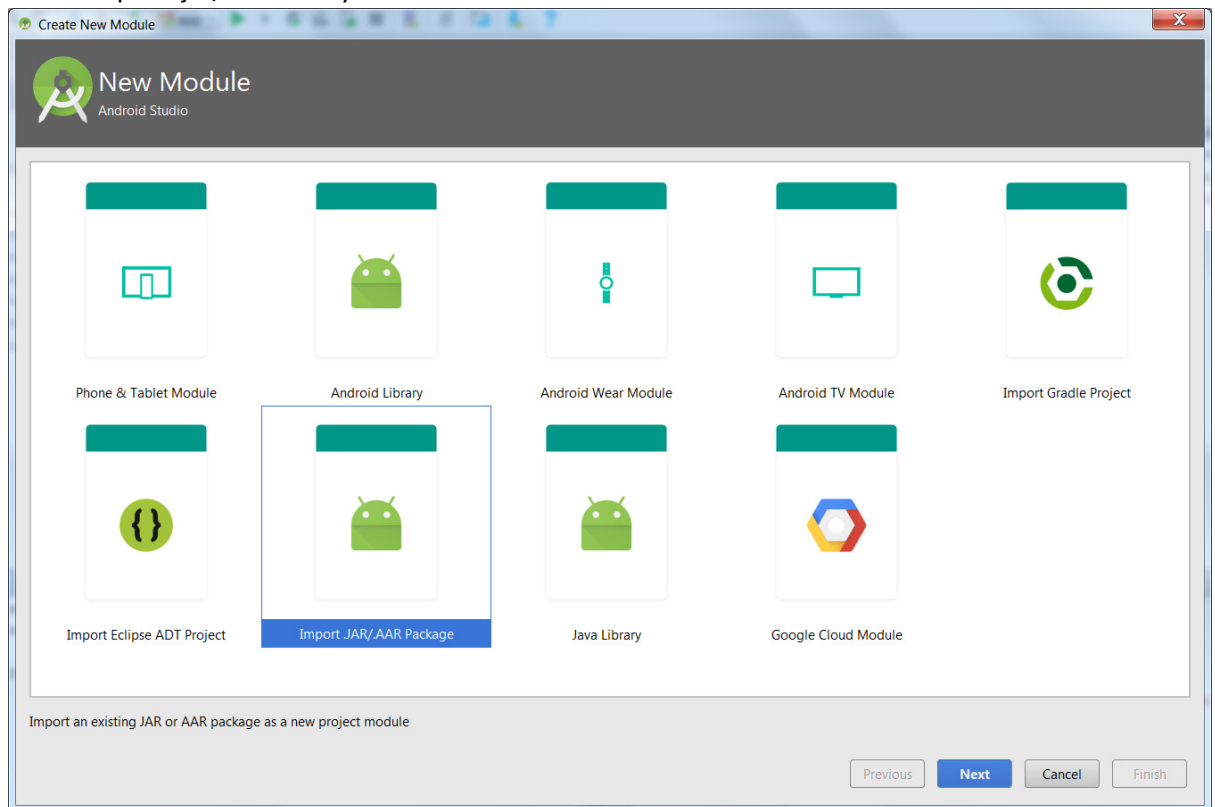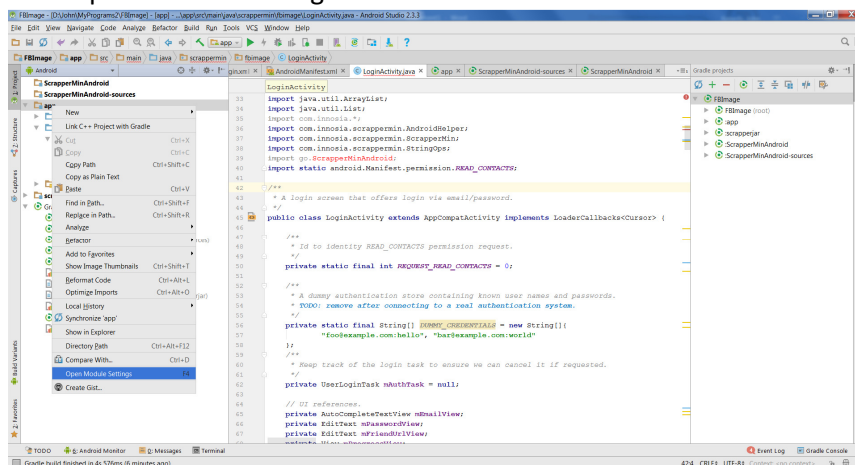How to use ScrapperMin library from Android

1. Download "ScrapperMinAndroid-sources.jar " and "ScrapperMinAndroid.aar" from ScrapperMin github repository
2. On your Android project, navigate to app\libs and copy both files there
3. Open Android Studio click, File > New > New Module
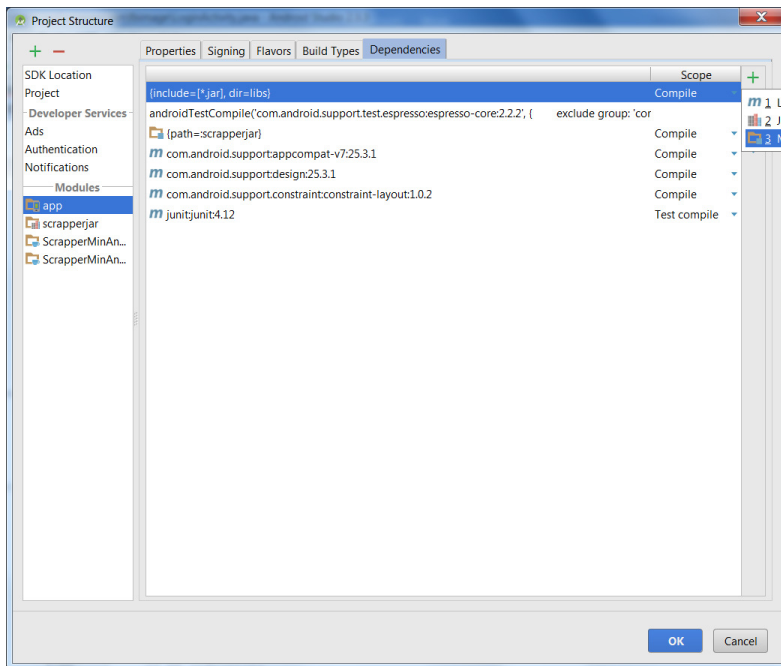4. Select import .jar/.aar library

5. Navigate to the libs path by clicking … and select the jar file, click Finish
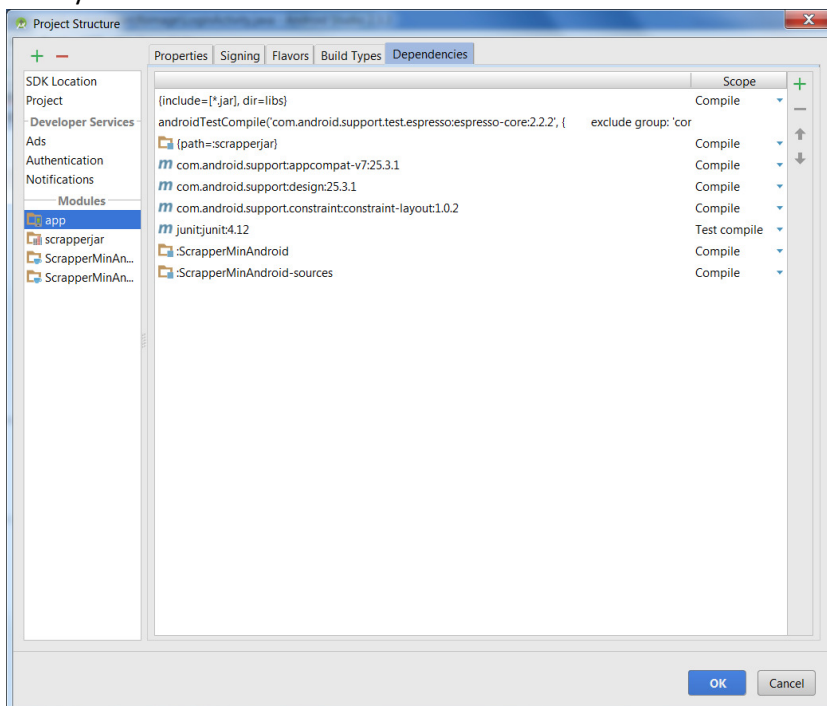6. Do the same again for aar file

1. Right click app on the left side of your Android Studio project
2. Click Open Module Setting

3. Click Dependencies tab
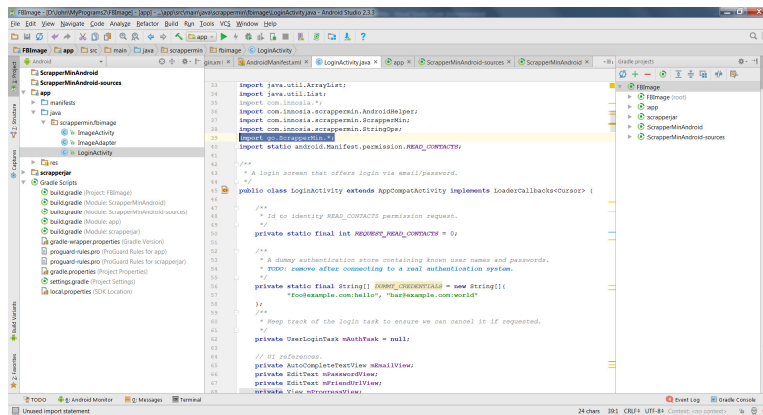4. Click + sign and click Module Dependency

5. Select ScrapperMinAndroid, and repeat the same for ScrapperMinAndroid-sources

6. Then you will see

7. Click OK

8. On your activity source code, add

```
import go.ScrapperMin.*;
```

9. Now you are ready to use ScrapperMin

For example during LoginActivity is created, we want to open website and download the HTML
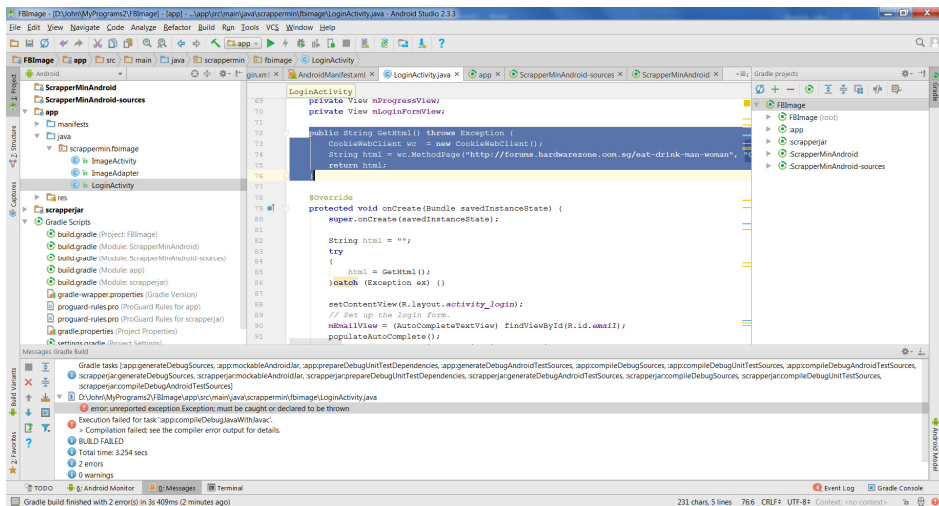
Do this by

10. Add a method name GetHtml() in the LoginActivity class

```java
public String GetHtml() throws Exception {
    CookieWebClient wc  = new CookieWebClient();
    String html = wc.MethodPage("http://forums.hardwarezone.com.sg/eat-drink-man-woman", "GET", "", "");
    return html;
}
```

```
This will call MethodPage method which the arguments are
1. URL of the website
2. Method "GET" or "POST"
3. If the method is GET, this parameter is empty. If it is POST, this
   method contains the parameter that will send to the website. A
   website receives parameter in list of key=value pairs joined by &,
   for example
   Username=john&password=123456
   This is the standard url encoded of POST string which assuming the
   website has a form with <input name="Username" value="john"> and
   <input name="password" value="123456">
   Another POST string format is called multipart encoded, which is used
   when sending/uploading files to website or download from websites, it
   is more complex so it is not explained here
4. The headers that the website receives, telling the website to return
   JSON, etc (assuming the server implements it). It is in key=value
   pairs joined by & too, some websites need to have certain headers in
   order for it to respond correctly. Leave it empty because we don't
   need it for most websites.

 This means that MethodPage method can be used to get page, download
 page, or sending information to the server. There are many other
 methods in ScrapperMin which can be used such as to upload or download
 files. Feel free to read ScrapperMin documentation.
```
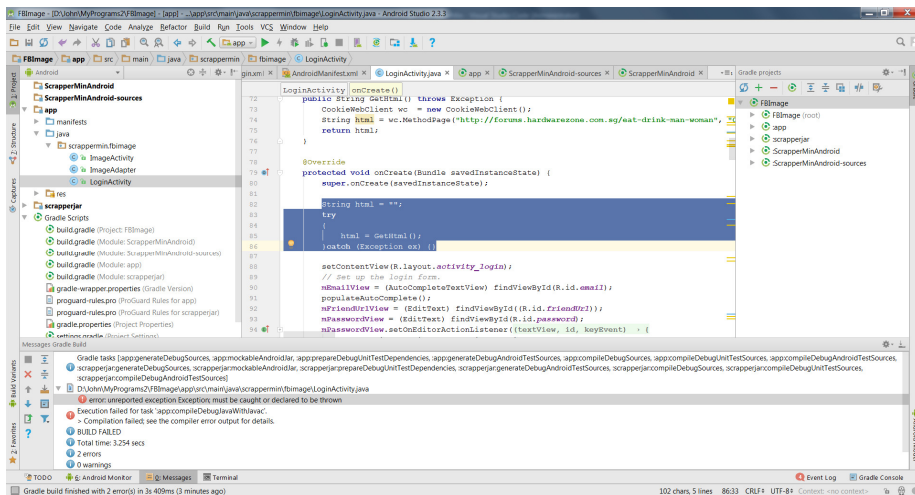
11. In the onCreate method, call that method but surrounded by try catch

```
String html = "";
try
{
    html = GetHtml();
}catch (Exception ex) {}
```


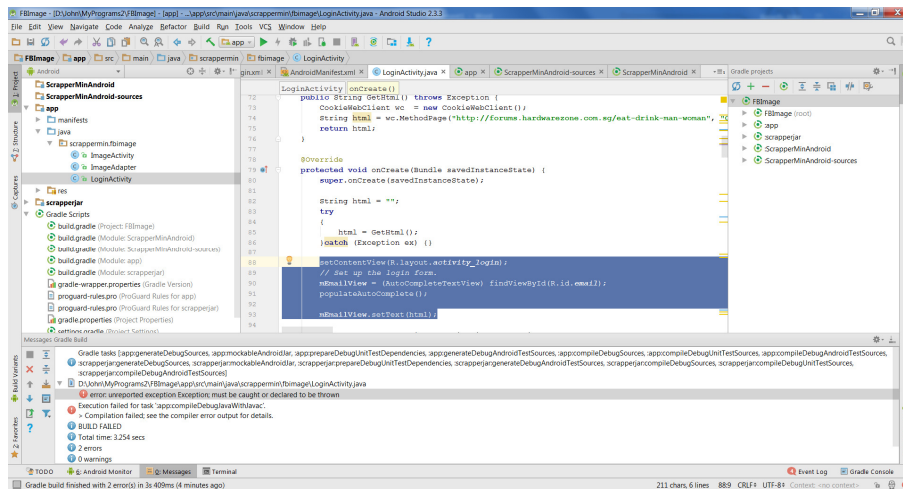Now you have the html and ready to use it.

12. Now use it to set the html to textbox

```
mEmailView = (AutoCompleteTextView) findViewById(R.id.email);
populateAutoComplete();

mEmailView.setText(html);
```

Advance way of using ScrapperMin

Instead of calling the methods provided by classes such as CookieWebClient, we can pass a script to ScrapperMin containing list of commands such as getting page, extracting information from html and return the intended result in array of string, with each string separated by certain separator.

To do that, create a method

```
public String GetHtmlByScript() throws Exception {
    ScrapperMin sm  = new ScrapperMin();
    String[] html =
sm.Multiple("WC_MethodPage('http://forums.hardwarezone.com.sg/eat-drink-man-
woman', 'GET', '', '');", new ArrayList<String>());
    if (html == null) return "";
    if (html.length == 0) return "";
    return html[0];
}
```

Multiple is the method to execute a script which is in ScrapperMin language and return array of string.

In ScrapperMin if the return result is empty string it means an occur has occurred either the web server is error, or the device needs to set proxy, VPN, etc which causes the error.