

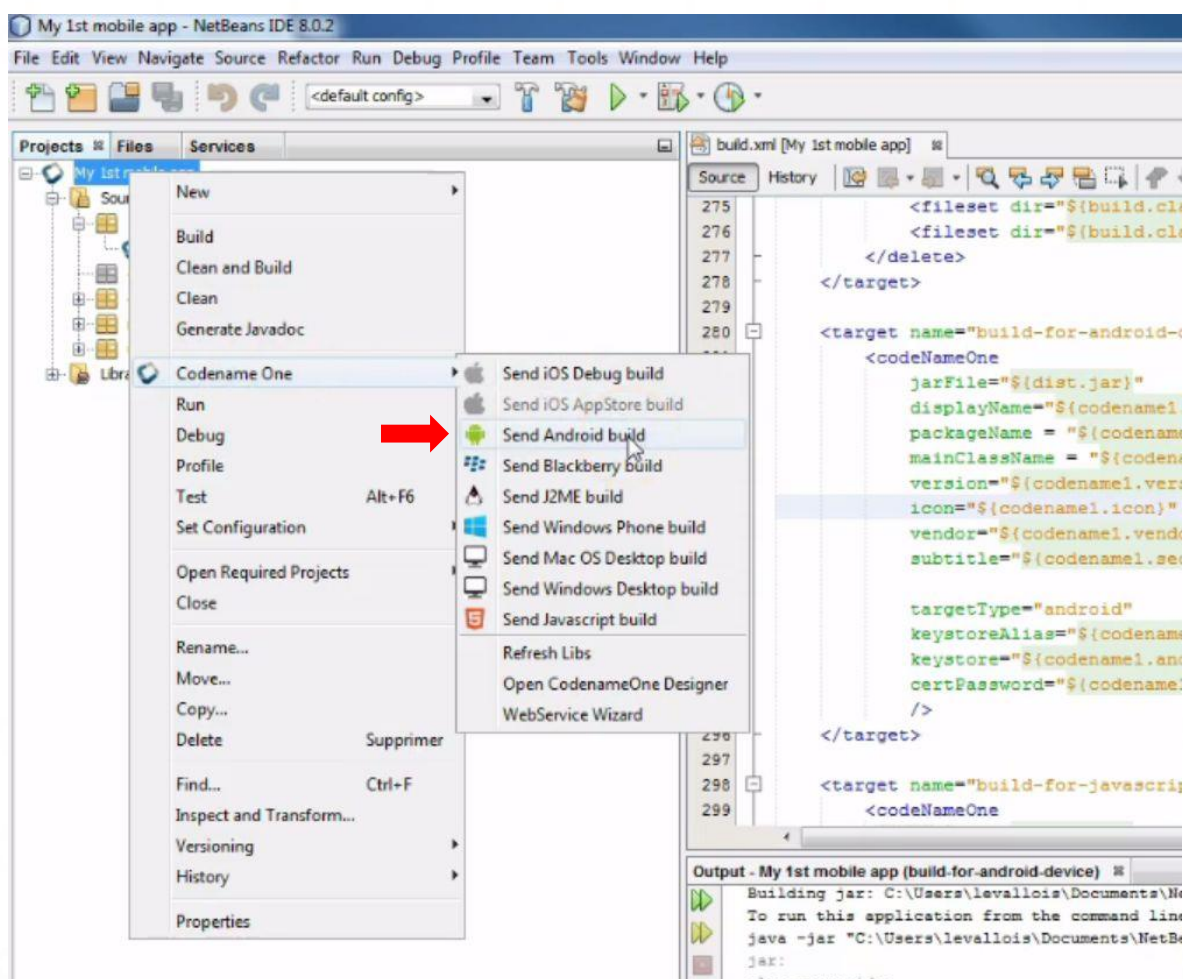
## Module 4: Testing your app on a phone and distributing it

Level of difficulty: ● ○ ○ ○  
Estimated time: 15 mn

### How to test your app on an Android phone

1. You need first to create a free account with Codename One (the tool we use to create apps).  
To do so, visit their website at [www.codenameone.com](http://www.codenameone.com) and select "Sign up".  
Choose the free version. You are not obliged to choose to receive the newsletter.  
Please open the confirmation email you will receive and click on the link in it to confirm the creation of your account.

2. In NetBeans, right click on the title of your project and select "Send Android Build"



3. This starts the creation of package ready to be sent to Codename One. Two alert windows will open:
  - One asking for the login and password of your Codename One account (that you just created)
  - One telling you that your app has a provisional certificate. This is ok.

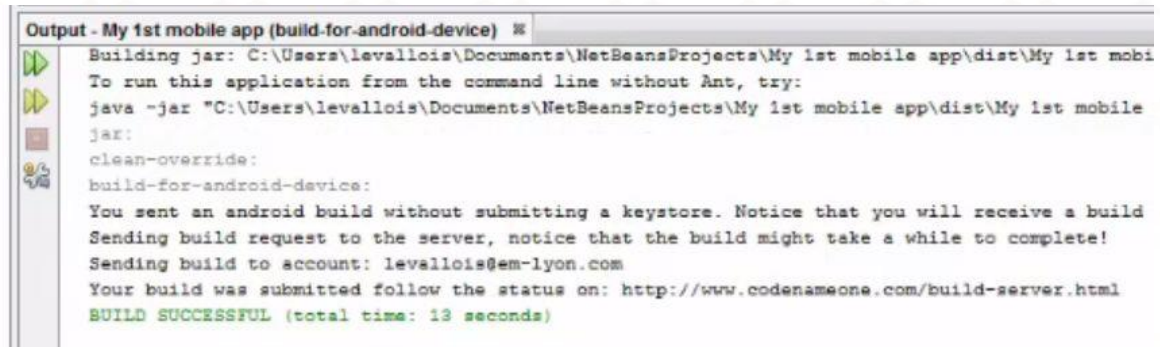
## Module 4: Testing your app on a phone and distributing it

### How to test your app on an Android phone

Level of difficulty: ● ○ ○ ○

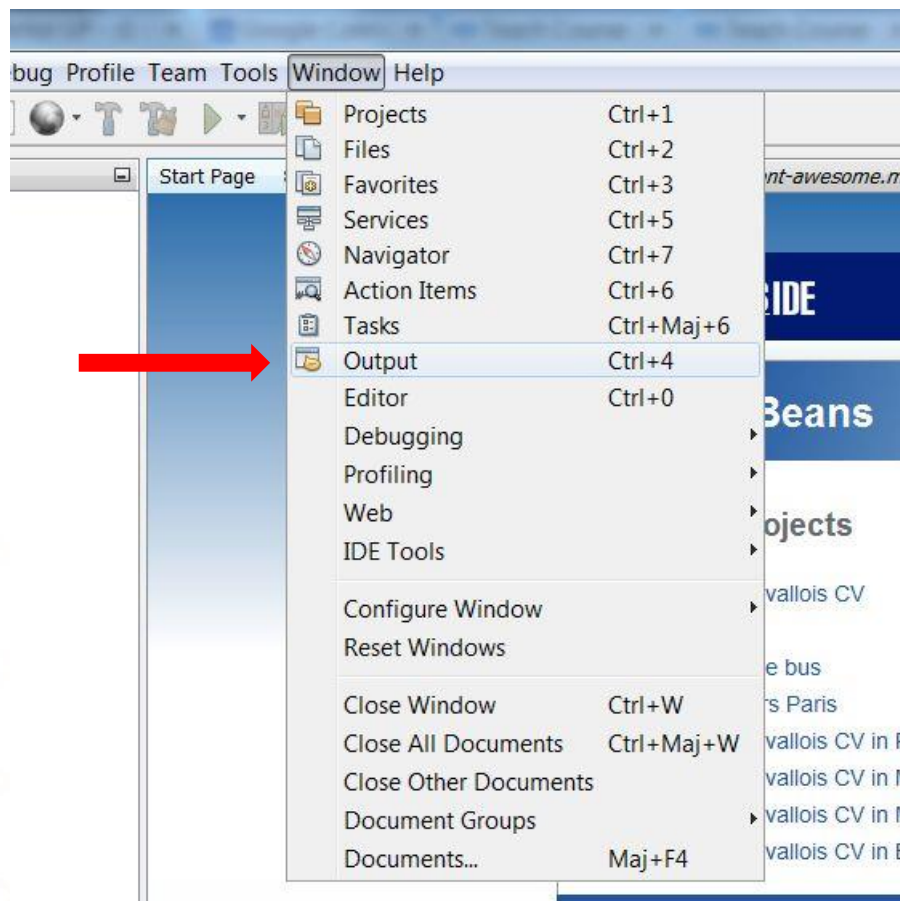
Estimated time: 15 mn

4. You know the process finished successfully when you see this in the bottom panel of NetBeans:



```
Output - My 1st mobile app (build-for-android-device)
Building jar: C:\Users\levallois\Documents\NetBeansProjects\My 1st mobile app\dist\My 1st mobi
To run this application from the command line without Ant, try:
java -jar "C:\Users\levallois\Documents\NetBeansProjects\My 1st mobile app\dist\My 1st mobile
jar:
clean-override:
build-for-android-device:
You sent an android build without submitting a keystore. Notice that you will receive a build
Sending build request to the server, notice that the build might take a while to complete!
Sending build to account: levallois@em-lyon.com
Your build was submitted follow the status on: http://www.codenameone.com/build-server.html
BUILD SUCCESSFUL (total time: 13 seconds)
```

**Note:** you don't see this output window at the bottom of NetBeans? In this case, in the menu of NetBeans, select "Windows" then "Output", it should make it appear:



### *How to test your app on an Android phone*

5. You can now go back to the website of Codename One, where your app has been sent to create the Android version of it. Login, then go to the Dashboard (in the menu on top of the page).
6. You will see the status of your app:
  - blue -> in progress
  - green -> finished, ready to be used
  - red: something went wrong, your Android app could not be created.
7. When the status turns green, click on it. A series of options appears to install your app on your Android phone:
  - A QR code. Flash the QR code from your Android phone, this will download the app on your phone and you'll be able to install it.
  - An email link: click here, and an email will be sent to the email address of your Codename One account. Open this email from your phone, click the link in it and this will start the download + installation process.