

CASIO

ENTERPRISE DEVELOPER TOOLS („EDT“)



(Version 2.02)

November 27, 2020

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Editorial Record

Date	Version	Note
June 30, 2020	1.00	<ul style="list-style-type: none">Initial Release of CASIO Enterprise Developer Tools „EDT“
September 03, 2020	1.01	<ul style="list-style-type: none">Android 9 Silent Install / Uninstall issues fixed
September 30, 2020	2.00	<ul style="list-style-type: none">Common Device Control Library added
October 27, 2020	2.01	<ul style="list-style-type: none">Delayed Initialization (LibraryCallback) added
November 27, 2020	2.02	<ul style="list-style-type: none">23 new Methods added to the Keyboard LibrarySetTimeZone method fixed and enhanced

Chapter 1

Operation Environment

1.1 Applicable Handheld Terminals

- DT-X400 series (Operating System Version 40.07)
- ET-L10 series (Operating System Version V001-EN_25)
- IT-G400 series (Operating System Version 81.63)
- IT-G600 series (Operating System Version 60.03)
- IT-G650 series (Operating System Version 65.03)

1.2 OS

- Android™ 6
- Android™ 8.1
- Android™ 9
- Android™ 10

1.3 Supplied Files

- EDT 2.02.zip

1.4 Steps to Start Up

Install **EDT** according to the Instructions given in Chapter 2.

Access the **EDT** API documentation according to the Instruction given in Chapter 3.

Chapter 2

Installation

EDT ships as a Package consisting of four parts:

1. The .apk installer package.
2. The .aar Android™ Library.
3. A „javadocs“ folder containing the **EDT** API documentation.
4. This manual.

The following subchapters explain how to deal with each parts of the **EDT** Package.

2.1 Installing EDT to your CASIO Device

EDT ships as an .apk Installer package for installation on your CASIO device.

Inside the **EDT** Package there are manual installation files named „EDT *<version number>* for *<device type>*.apk“, where *<version number>* denotes the version of the regarding **EDT** installation file, and *<device type>* denotes the device which the particular installation file is valid for. Please copy the file „EDT *<version number>* for *<device type>*.apk“ (might appear as „EDT *<version number>* for *<device type>*„, if file extensions are not shown on your PC) to your CASIO device into a folder of your choice and start it there.

The following steps describe the installation in detail, assuming that the „EDT *<version number>* for *<device type>*.apk“ file is located in the root folder of your C: drive and should be installed from the root folder of your CASIO device:

1. Connect your CASIO device to your PC via USB. Please consult the Software Manual of your CASIO device regarding details of connection procedure.
2. On your PC's Desktop, click/double click on My Computer to open the explorer and navigate to „This PC → *<device type>* → Internal shared storage.
3. On your PC's Desktop, click/double click on My Computer to open the explorer once more. Click/double click the entry for your local C: drive to open the file list of drive C:
4. Click and hold the file „EDT *<version number>* for *<device type>*.apk“ (might appear as „EDT *<version number>* for *<device type>*„, if file extensions are not shown on your PC).
5. Drag the file to the devices' „Internal shared storage“ Window and drop it in an empty area of the right window pane. The file will now be copied from your PC's C: drive to the root folder of your CASIO device.
6. Take your CASIO device, open the pre-installed File Manager, and tap on the file „EDT *<version number>* for *<device type>*.apk“ in the root folder of the device to start the installation process.
7. Confirm any questions issued by your device to proceed through the installation process.

2.2 Installing EDT to your Android Studio Project

In order to utilize **EDT** as a Developer, it is mandatory to install the .aar library and it's accompanying „aidl“ folder accordingly.

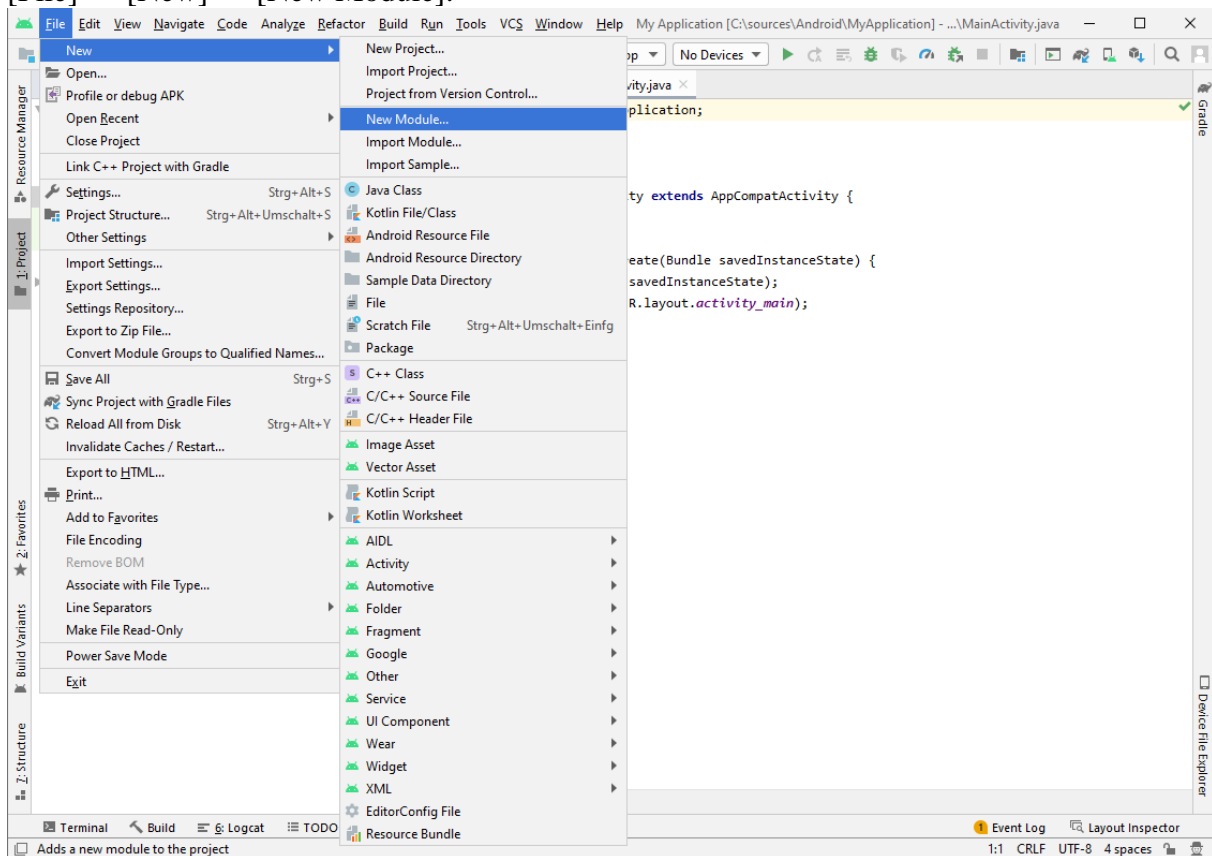
Furthermore, it's recommended to install the „javadocs“ folder properly as well, but this last step is optional.

Please follow the instructions from the following subchapters to perform all necessary steps to get started with **EDT**.

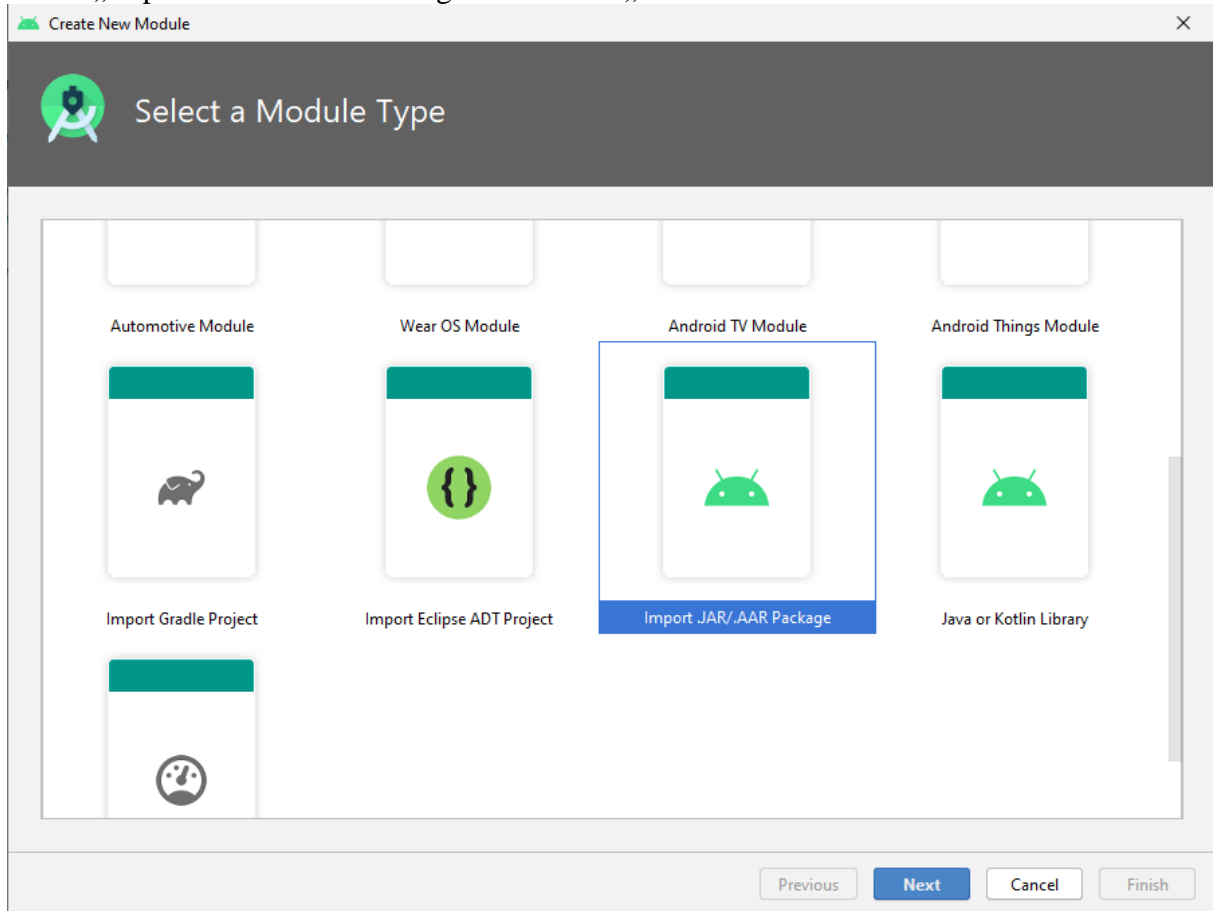
2.2.1 Importing the .aar EDT Library to your Android Studio Project

When developing an application that controls extended functions that require system access, import the **EDT** Library. The library import is required for each project.

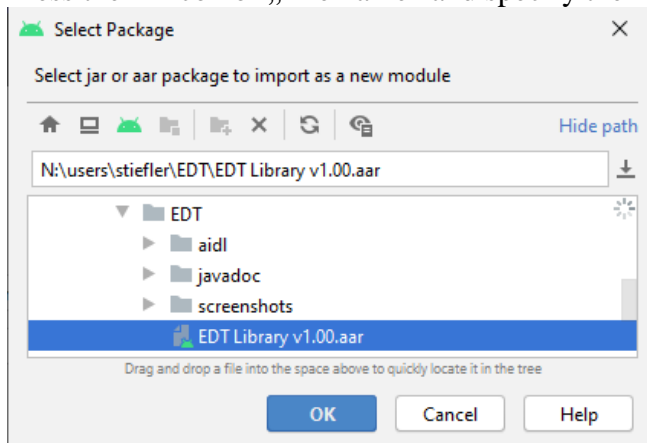
Open the project from the Android Studio, select „New Module“ dialog with [File] → [New] → [New Module].



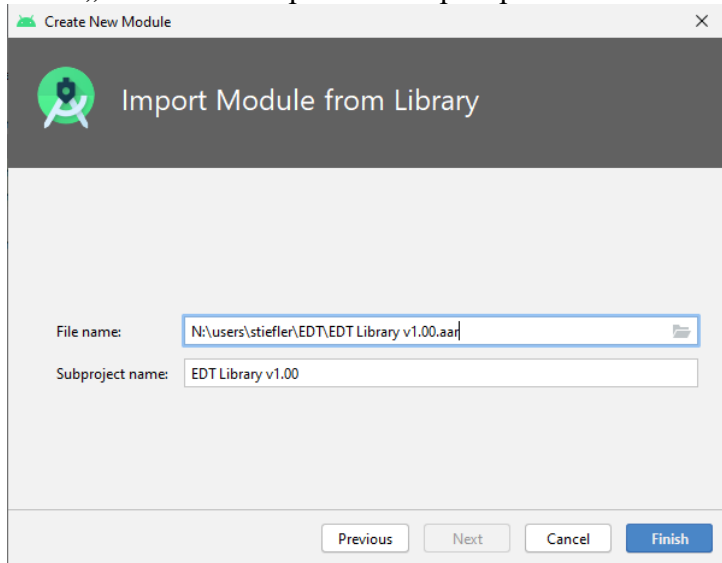
Select „Import .JAR/.AAR Package“ and select „Next“.



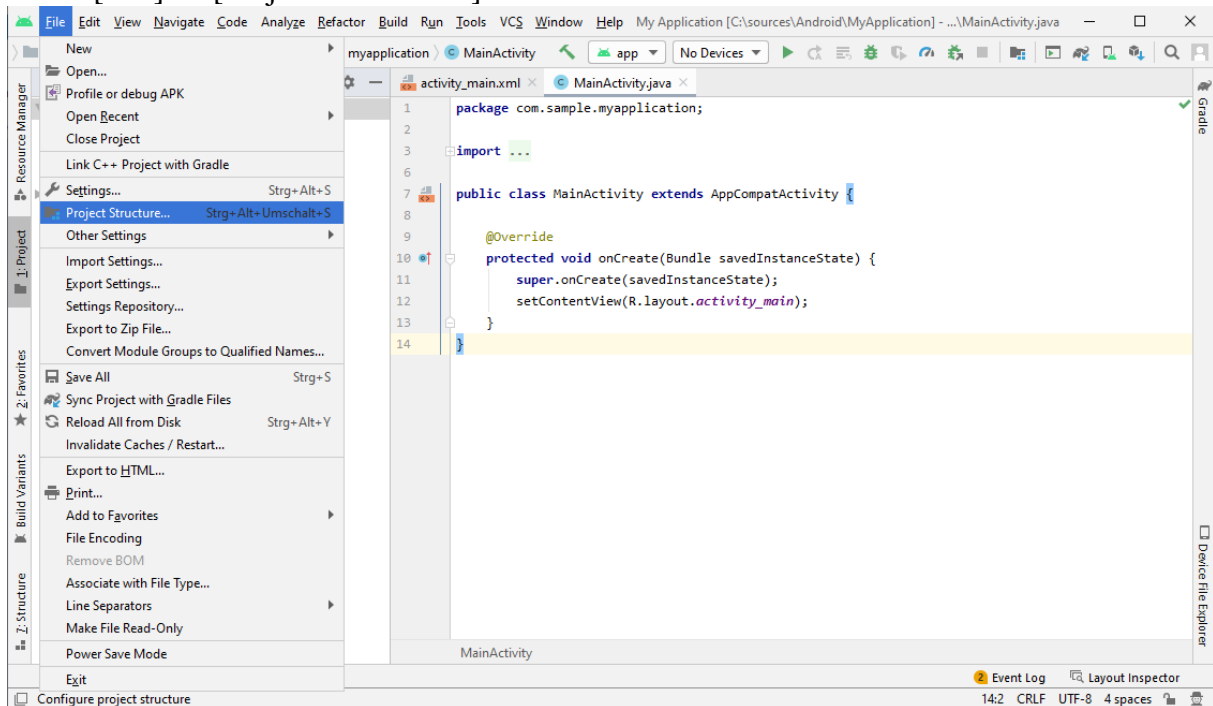
Press the  icon of „File name“ and specify the **EDT** Library (AAR) to be imported.



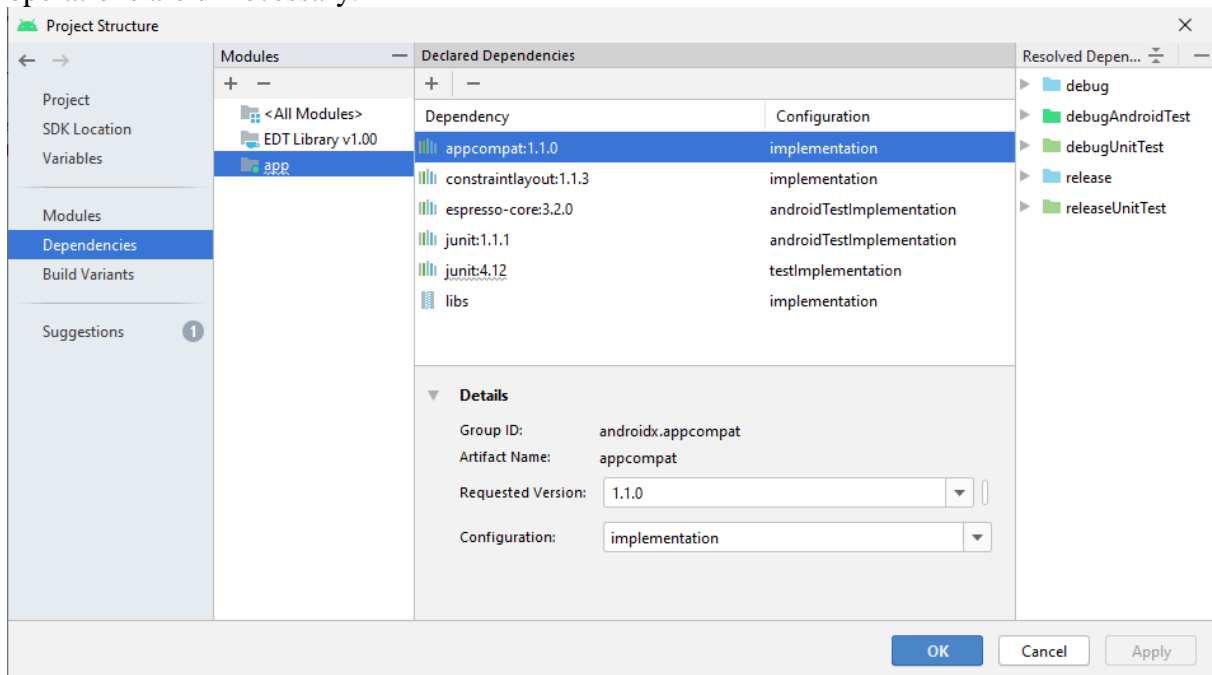
Click „Finish” to complete the import process.



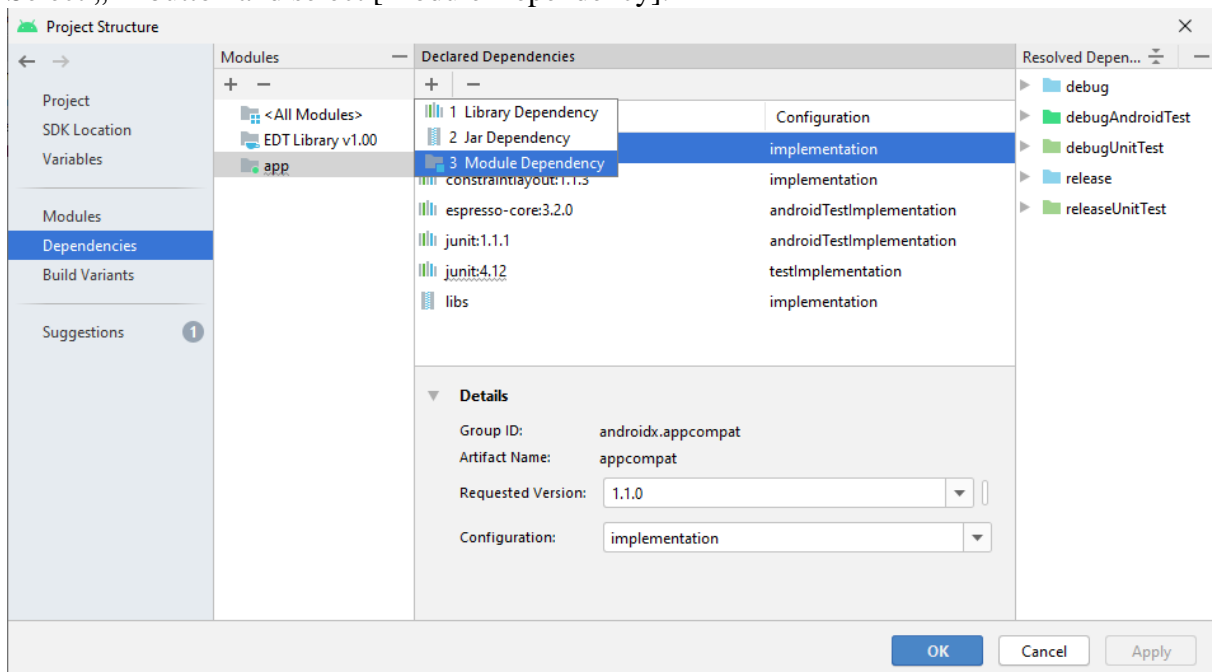
Select [File] → [Project Structure ...].



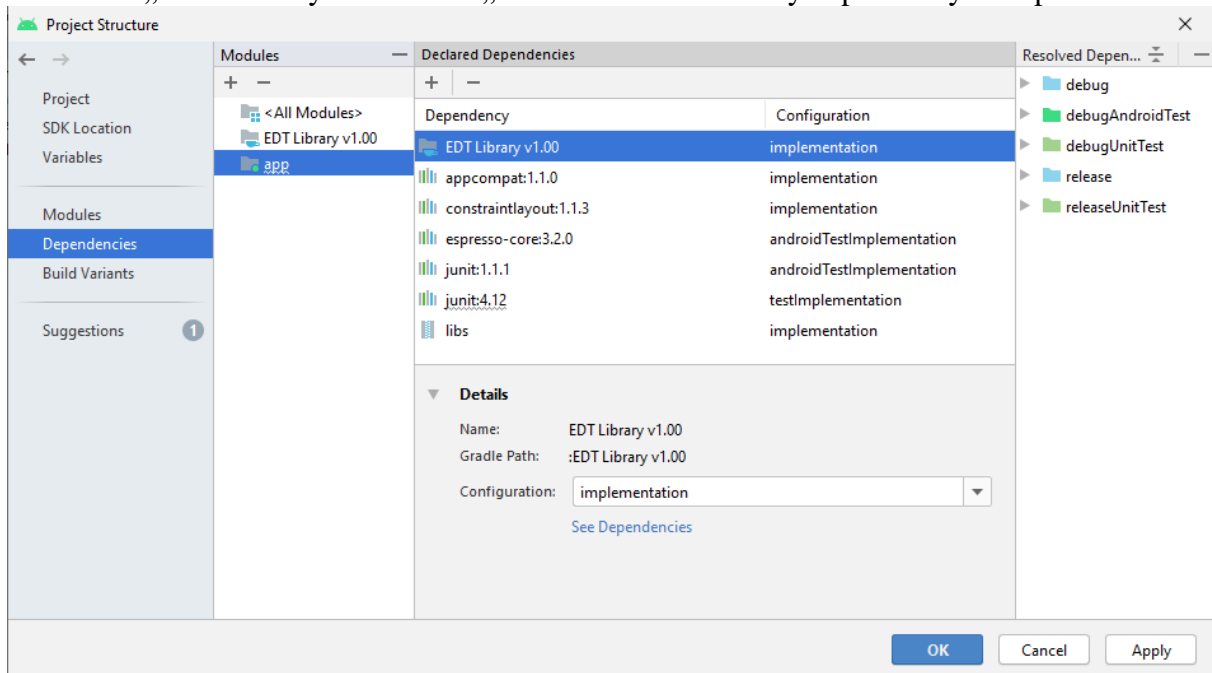
Open the [Dependencies] tab, and check if „EDT Library“ exists. If it exists, subsequent operations are unnecessary.



Select „+“ button and select [Module Dependency].



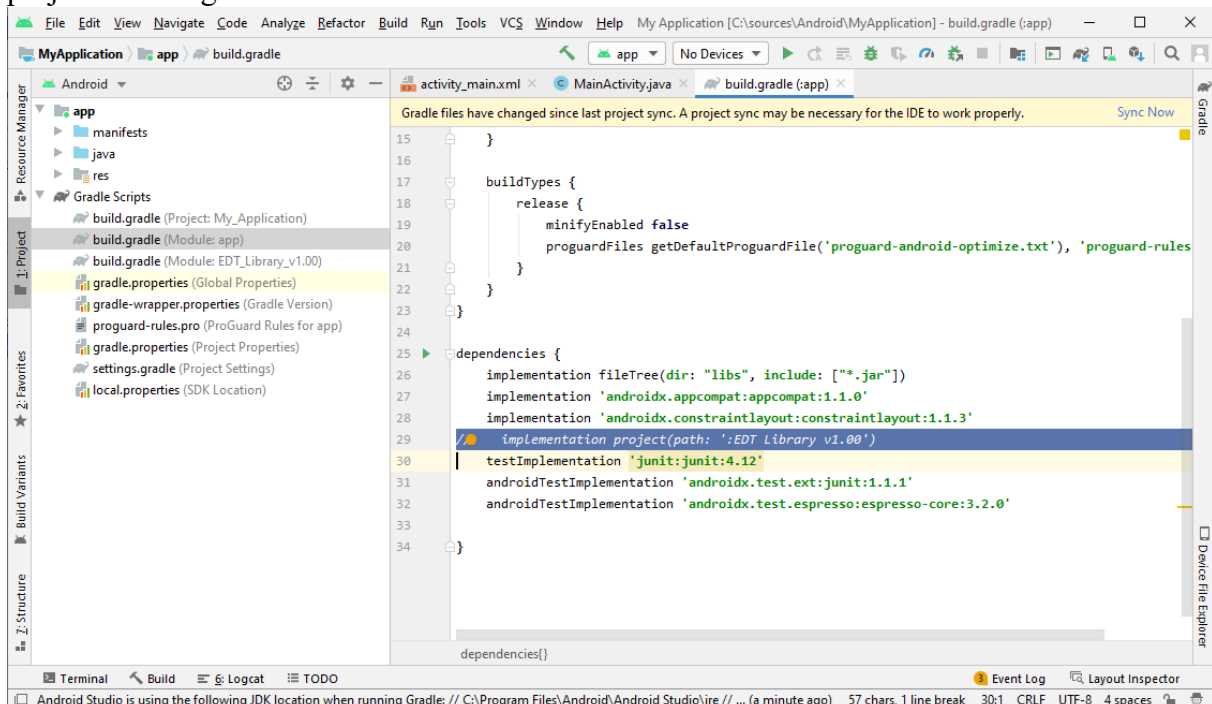
Check the „EDT Library“ and select „OK“. Check that library dependency is in place.



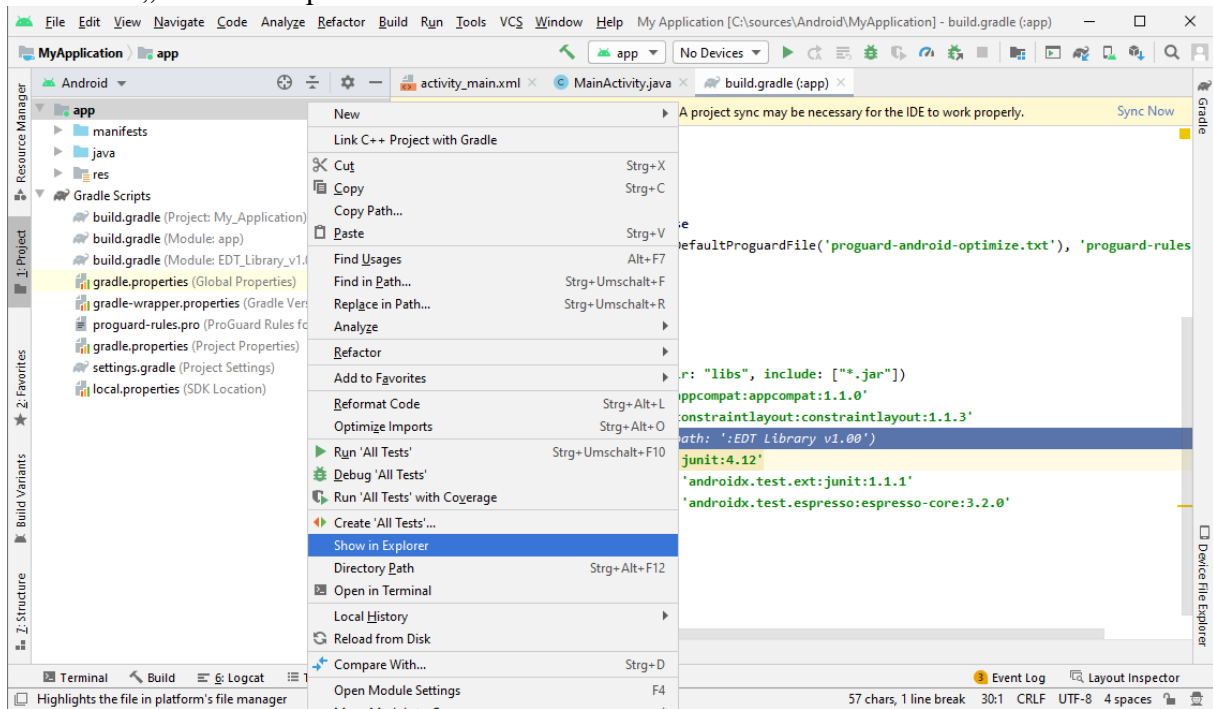
2.2.2 Updating the .aar EDT Library of your Android Studio Project

To update the **EDT** Library in your Android Studio project to a newer version, you need to unregister the existing version of the **EDT** Library and import a new one.

To unregister the **EDT** Library, remove the implementation of the **EDT** Library in your project's build.gradle file.



In order to delete the **EDT** Library folder from your project, right-click on your project tree and select „Show in Explorer”.



Select the **EDT** Library folder and remove it.

.gradle	30.07.2020 14:03	Dateiordner	
.idea	30.07.2020 14:25	Dateiordner	
app	30.07.2020 14:22	Dateiordner	
EDT Library v1.00	30.07.2020 14:21	Dateiordner	
gradle	30.07.2020 14:03	Dateiordner	
.gitignore	30.07.2020 14:03	GITIGNORE-Datei	1 KB
build.gradle	30.07.2020 14:03	GRADLE-Datei	1 KB
gradle	30.07.2020 14:03	Properties Source ...	2 KB
gradlew	30.07.2020 14:03	Datei	6 KB
gradlew	30.07.2020 14:03	Windows-Batchdatei	3 KB
local	30.07.2020 14:03	Properties Source ...	1 KB
settings.gradle	30.07.2020 14:15	GRADLE-Datei	1 KB

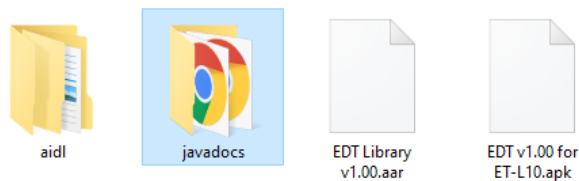
Import the updated **EDT** Library as described in Chapter 2.2.1 „Importing the .aar **EDT** Library to your Android Studio Project”.

2.2.3 Importing the „javadocs” documentation to your Android Studio Project

Importing the „javadocs” documentation is optional but strongly recommended. Not only does the „javadocs” documentation folder hold the complete **EDT** API documentation, but this step also enables you as a developer to utilize the built-in „Quick Documentation” inline help while using the **EDT** API in your project.

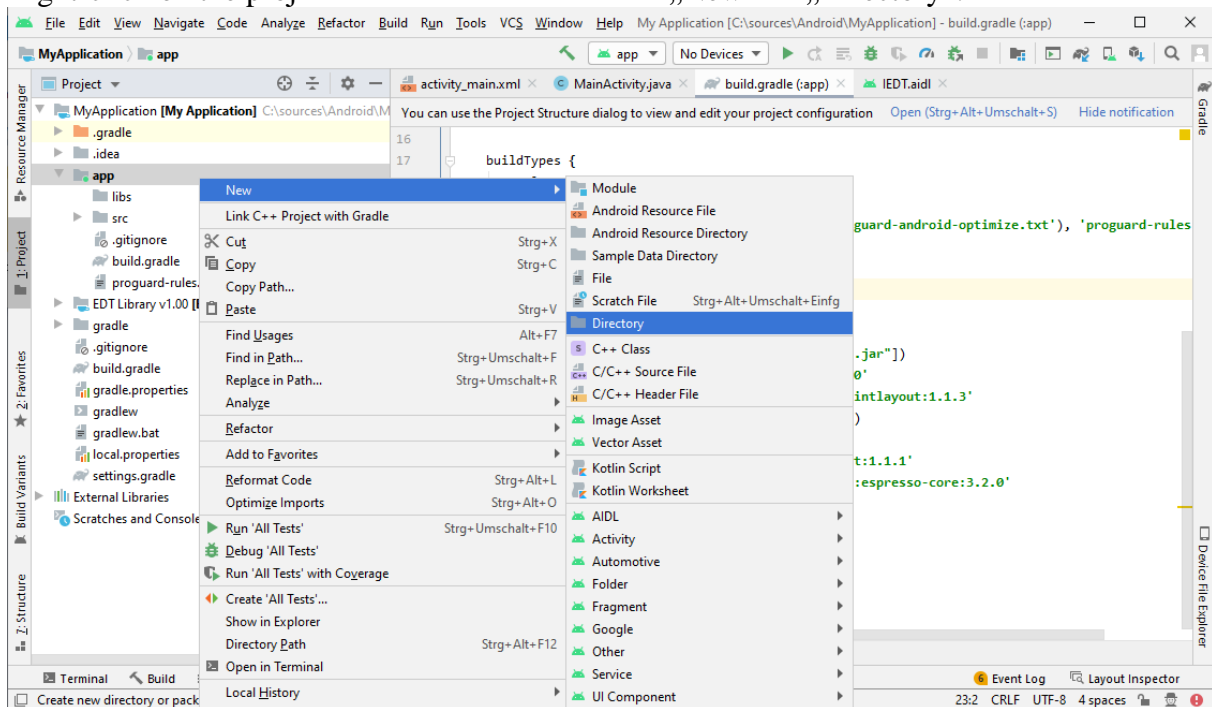
While the „javadocs” folder can basically resist anywhere on your PC or in any other location Android Studio has access to, in this sample we will show you how to copy the „javadocs” folder to your project first, in order to have all contents of your project in one place, and in order to get the „javadocs” folder to reside in the most suitable place inside your project.

From an arbitrary Windows Explorer instance, copy the „javadocs” folder shipped with the **EDT** package.



Open your project application's tree.

Right-click on the project's main branch and select „New” → „Directory”.



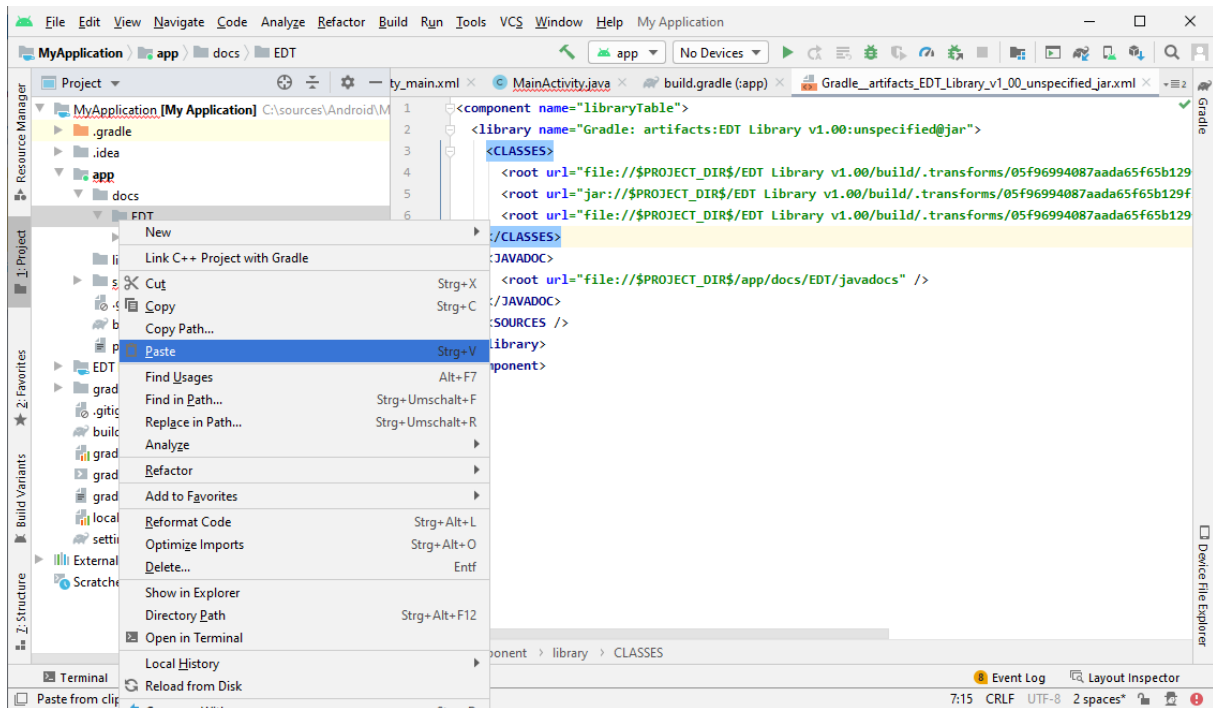
Enter „docs“ for the new Directory name and hit „Enter“.

New Directory
docs

Right click on the newly created „docs” folder, select „New“ → „Directory” again, enter „EDT” for the new Directory name and hit „Enter“.

New Directory
EDT

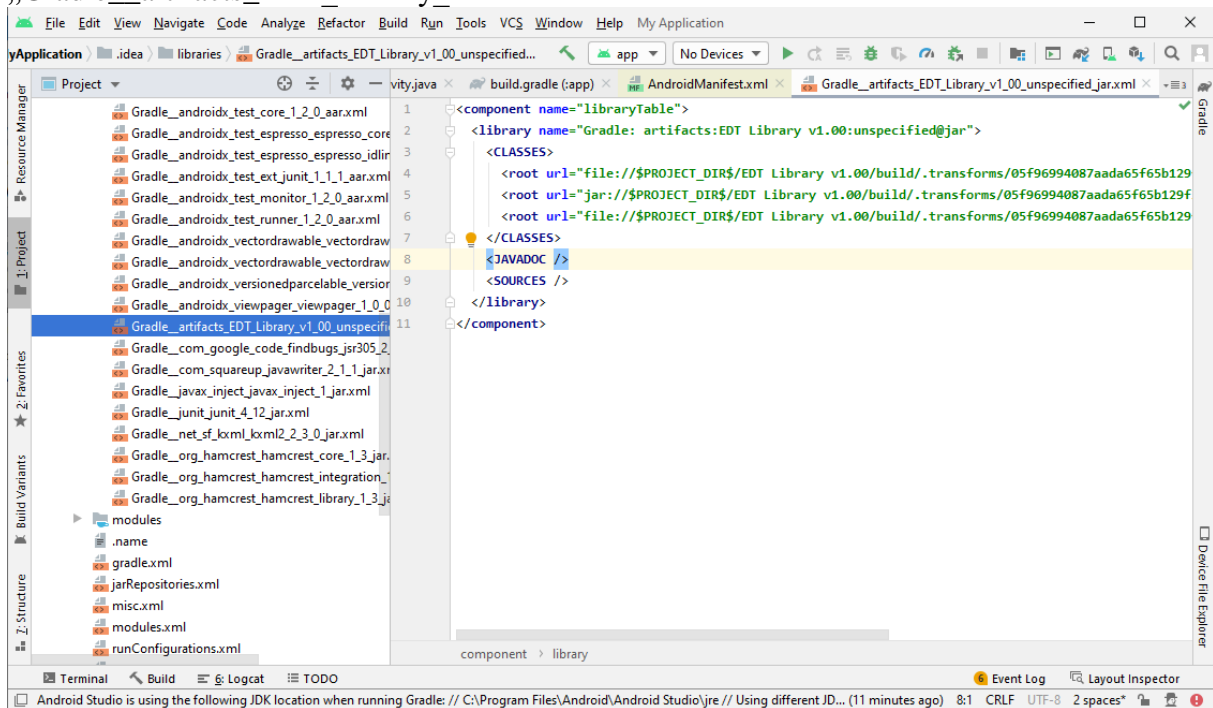
Right click on the newly created „EDT” folder and select „Paste” to paste the „javadocs” folder to this location.



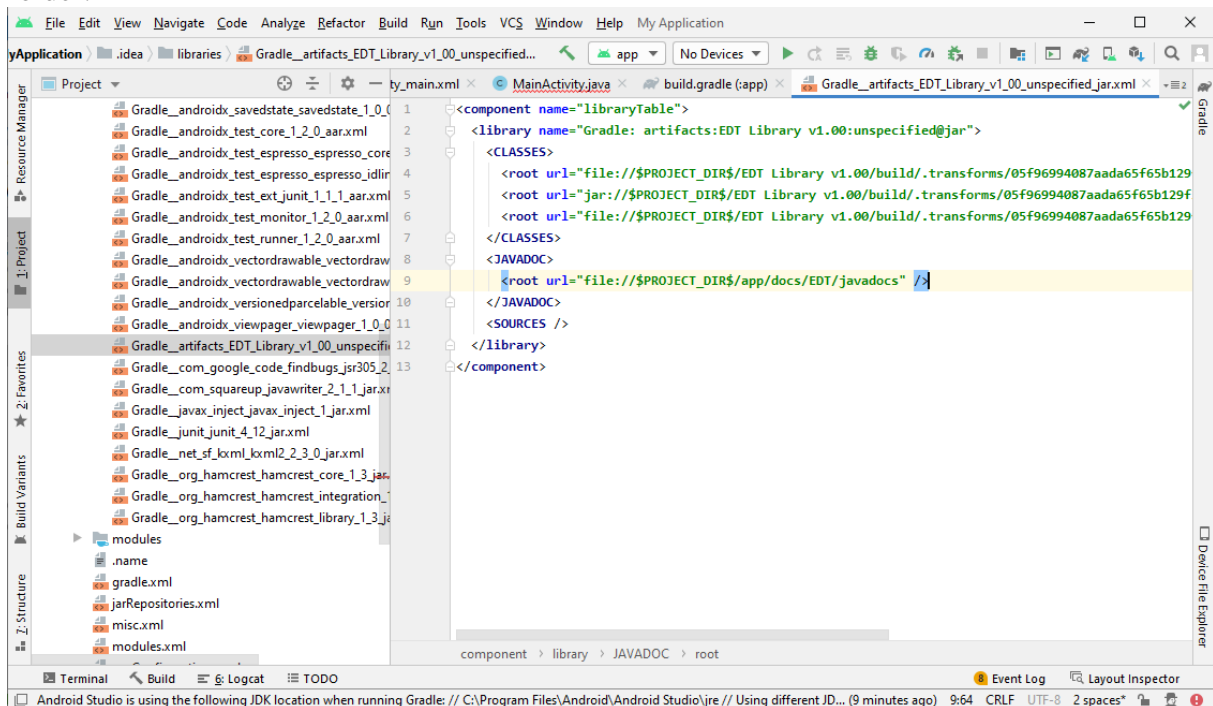
Click „OK” to confirm the paste process.

Copy	
Copy directory N:\users\stiefle\EDT\EDT javadoc	
New name:	EDT javadoc
To directory:	C:\sources\Android\MyApplication\app\docs
Use Strg+Leertaste for path completion	
<input checked="" type="checkbox"/> Open copy in editor	
<div>OK</div> <div>Cancel</div> <div>Help</div>	

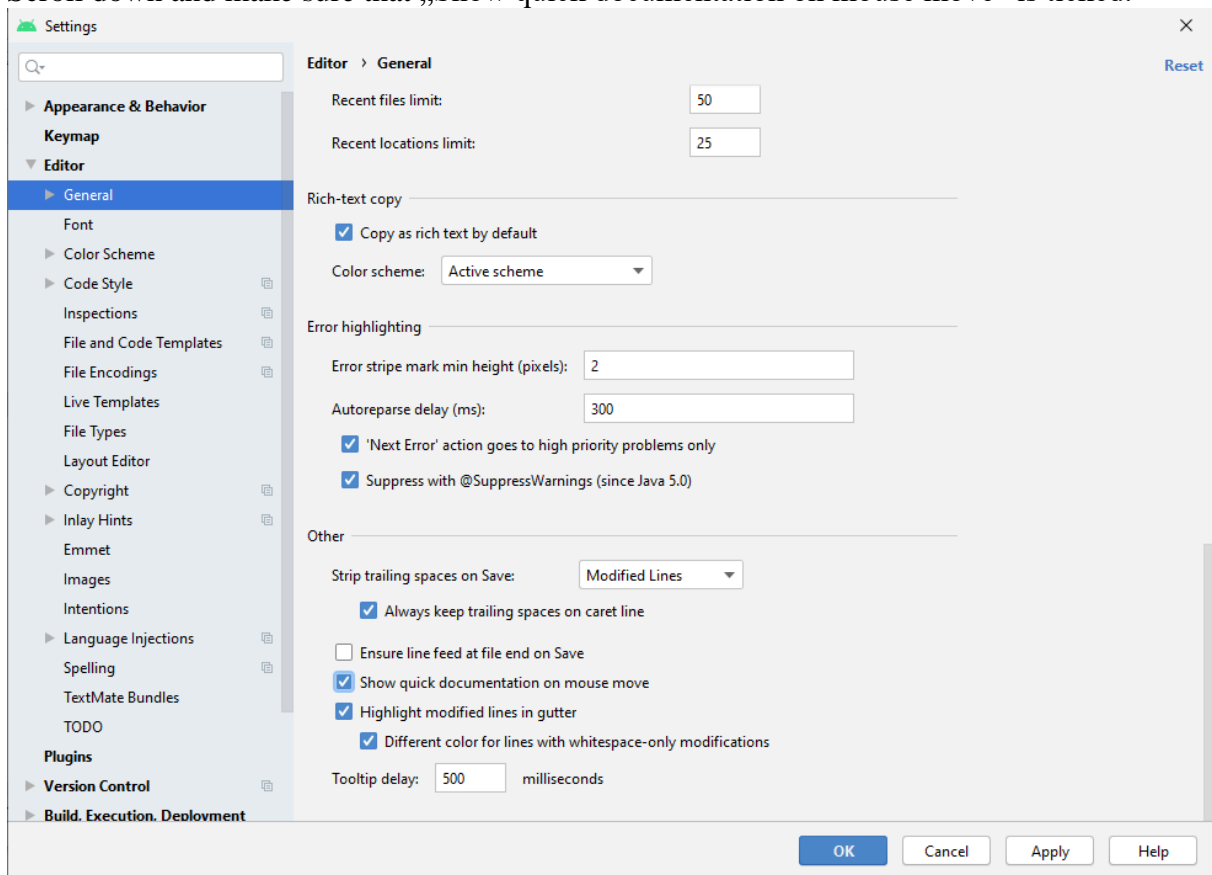
Navigate to the „idea” → „libraries” tree of your project and open the „Gradle__artifacts_EDT_Library_<...whatever ...>.xml” file.



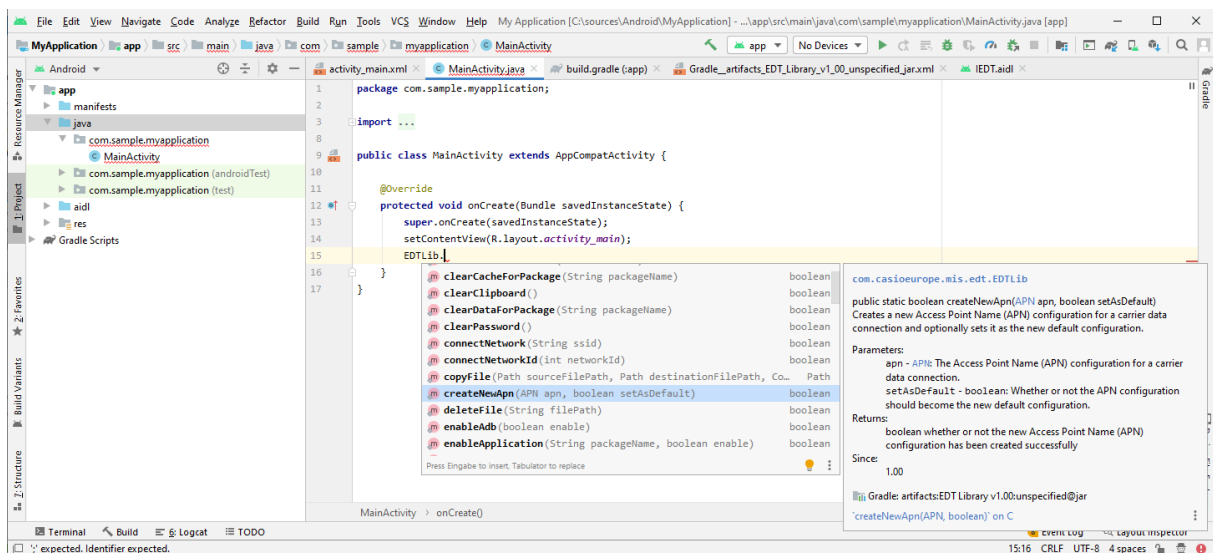
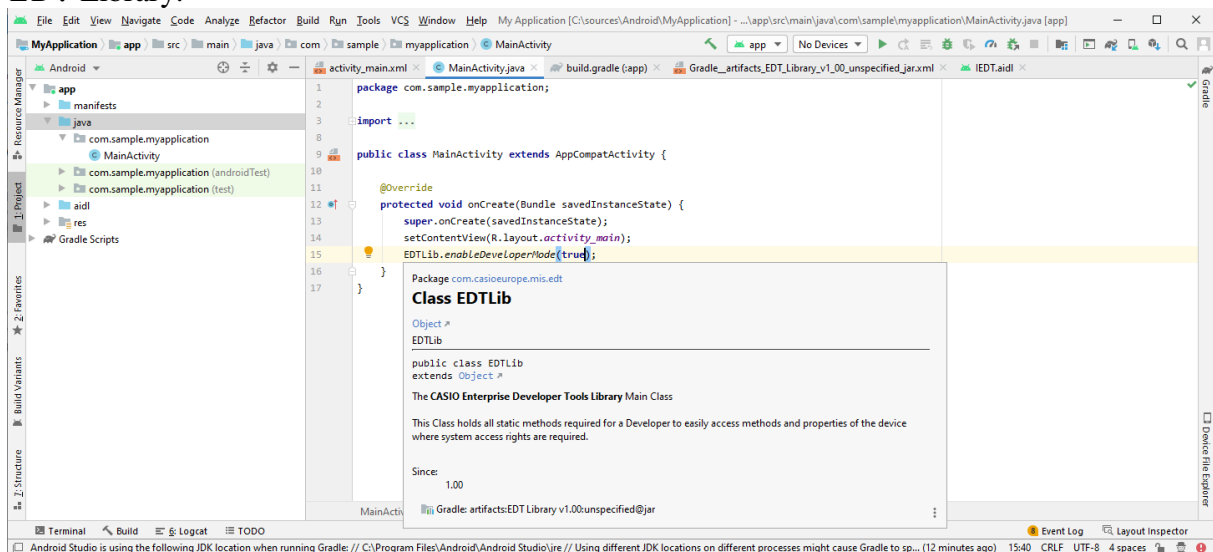
Change the „JAVADOC” entry of the xml file to reflect the location for your „javadocs” folder.



Make sure that the „Quick Documentation” feature of Android Studio is enabled. Click „File” → „Settings”, open the „Editor” branch and select „General”. Scroll down and make sure that „Show quick documentation on mouse move” is ticked.



You can now utilize Android Studio's „Quick Documentation” feature in conjunction with the EDT Library.



Chapter 3

EDT API Documentation

The **EDT** API documentation ships in form of the „javadocs” folder of the **EDT** package. Please refer to the „index.html” file found in the „javadocs” root folder.

Chapter 4

Appendix

4.1 Support

We have conscientiously tried to make this manual complete, accurate, and easy to understand. We therefore ask that you spend a few minutes with the manual before asking assistance. A little reading and a bit of experimenting should answer your question. If you are still stuck, call Casio Europe technical support on the web at <http://www.casio-b2b.com>. Please note that Microsoft software product support is not offered through that address.

Include the following information when you write, or have it ready when you call.

- Your hardware and software configuration including version info.
- The exact wording of any messages that appeared on your screen.
- What you were doing when the problem occurred.
- How you tried to solve the problem.

The authors of this manual really care about its accuracy, completeness, and usability. If you have suggestions about improving the documentation, please tell us. We do listen. And we are serious about this:

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Reach the technical team of Casio Europe GmbH at mis-support@casio.de.

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4.2 Disclaimer

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