

# Neurograph Code Explanation

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## Introduction

This file is an explanation of the Neurograph project. You will find the explanation of all the project files in this document.

## Android Manifest

This is the place you can find the registration all the activities, receivers etc. You can also find all the uses permissions for this app.

## Gradle Script Files

### Build.gradle (Project: Neurograph)

This file contains the configuration of the gradle for this project.

### Build.gradle (Module: app)

This file contains the app SDK version information, including the minSdkVersion, targetSdkVersion, the app version information, including the versionCode, versionName, and also all the dependencies information.



## Android Activities

### AccountCentreActivity

AccountCentreActivity is the place where new user can choose to register and old user can enter the registration code.

### CircularMotionTestActivity

CircularMotionTestActivity is the place where user do the drawing of Circular Motion Test (Drawing a circle around a dot in the centre of the screen. )

### CopyrightInformationActivity

CopyrightInformationActivity is used to display the copyright information of the app.

### DataListActivity

DataListActivity is the activity which shows the data list, provide the entrance for user to delete data, view data, send data email, store data file etc.

### DeviceInformationActivity

DeviceInformationActivity is used to display the device information.

### DisplayCalculatingActivity

DisplayCalculatingActivity is a transfer between the ParallelLinePracticeActivity and ParallelLinePracticeResultActivity. After the user finish the ParallelLinePractice and before the app finish calculating the practice result, this activity will be displayed.

### DisplayLoadingActivity

DisplayLoadingActivity is a transfer activity between DataListActivity and TestDetailScrollingActivity. After the user clicks one of the test and before the test detail information is ready to be showed on the TestDetailScrollingActivity, this activity will be displayed.

### DisplayProgressActivity

DisplayProgressActivity shows the data file generating progress. After the user confirms to generate data files, and before the data files have been successfully generated, this activity will be displayed to show the file generating progress.

### DisplaySendingActivity

DisplaySendingActivity shows the data email sending progress. After the user confirms to send the data email, and before the data email has been successfully sent, this activity will be displayed to show the email sending progress.

### DurationSelectionActivity

DurationSelectionActivity is used to let the user to choose some information of the test, and display the test instruction. For all the dynamic tests, user need to choose the interval duration and the painter width in this activity, for all the static tests, parallel line practice and parallel line test, user need to choose the painter width in this activity, and for these tests since they don't need a interval duration, therefore for these test the DurationSelectionActivity will not display the interval duration seekbar.

### DynamicBlankBackgroundTestActivity

DynamicBlankBackgroundTest is used for user to do the dynamic blank background test. (The test which show the background image for a specified time interval, and then the background disappears. The user needs to remember the background image pattern and draw it on the canvas in DynamicBlankBackgroundTestActivity)

### DynamicSeasonalBackgroundTestActivity

DynamicSeasonalBackgroundTestActivity is used for user to do the dynamic seasonal background test. (The test in which the background image keeps appearing and disappearing for a specified time interval. The user needs to follow the background image and draw the required shape on the canvas in DynamicSeasonalBackgroundTestActivity)

### DynamicShowBackgroundActivity

DynamicShowBackgroundActivity is used to show background image for the DynamicBlankBackgroundTest. Once the user starts dynamic blank background test, we first show this activity for certain time interval, then go to DynamicBlankBackgroundTestActivity.

### FeedbackActivity

This is a feature still under planning. The idea is user can provide feedback on the app and send their feedback to the developer.

### FullHeightActivity

This is a testing activity which is not used in this app. This activity is only for testing purposes. It is used to get the full height of the screen of the testing device.

### ImageSelectionActivity

ImageSelectionActivity is used for user to choose the testing image for static full background test, static corner background test, dynamic blank background test and dynamic seasonal background test.

### ImageSelectionForCircularMotionActivity

ImageSelectionForCircularMotionActivity is used for user to choose the testing image for circular motion test.

### InfoActivity

InfoActivity is used to display the application information.

### InformationCollectionActivity

InformationCollectionActivity is used for user to do the registration, they need to fill in some personal information in this activity.

### IntroductionContentActivity

IntroductionContentActivity is used to display the introduction content of this app. This activity will be displayed after the IntruductionPageActivity has finished.

### IntroductionPageActivity

IntroductionPageActivity is used to display the greeting messages before displaying the introduction content. This activity is displayed once the user click the introduction button on the SettingPageActivity, after this activity finished, the IntroductionContentActivity will be displayed.

### ParallelLinePracticeActivity

ParallelLinePracticeActivity is used for user to do the parallel line practice. (Parallel line practice is a test in which user needs to draw two lines as parallel as possible. After this practice, the practice result will be calculated and displayed to user. )

### ParallelLinePracticeResultActivity

ParallelLinePracticeResultActivity is used to display the parallel line practice result. This activity will be displayed after the DisplayCalculatingActivity has finished.

### ParallelLineTestActivity

ParallelLineTestActivity is used for user to do the parallel line test. (Parallel line test is where user needs to draw three parallel lines following the background image. )

### PersonalInformationActivity

PersonalInformationActivity displays the personal information of the current user.

### [PersonalInformationEditPageActivity](#)

PersonalInformationEditPageActivity is used for user to edit their personal information.

### [SendDataEmailActivity](#)

SendDataEmailActivity is used for user to send data email.

### [SettingPageActivity](#)

SettingPageActivity is the home page of this app. User can go to the account centre, view data list, view app introduction, view tutorials, change language and font size setting, clean cache, go to InfoActivity etc.

### [StaticBackgroundTestActivity](#)

StaticBackgroundTestActivity is used for user to do the static background test. This is a static test in which the background image keeps showing on the whole screen, and the user needs to follow the background image to draw required shapes.

### [StaticBackgroundTestNewActivity](#)

This is a testing activity and is not used in the final app. Instead of drawing on a SurfaceView, this activity tests drawing shapes on an ImageView with some background images as the background of the ImageView.

### [StaticCornerBackgroundTestActivity](#)

StaticCornerBackgroundTestActivity is used for user to do the static corner background test. This is a test in which the background image will be displayed at the top right corner of the screen, and the user needs to follow the background image to draw the required shapes.

### [StoreDataFileActivity](#)

StoreDataFileActivity is used for user to store data file. After the user click generate, the app will go to DisplayProgressActivity to display the data file generating progress.

### [TestDetailScrollingActivity](#)

TestDetailScrollingActivity displays the test detail information. User can view the detailed information of tests.

### [TestSelectionActivity](#)

TestSelectionActivity is used for user to select tests.

### ThankYouActivity

ThankYouActivity is used to display the thank you message after user finish a test except parallel line practice. After displaying the thank you message for a few seconds, the app will automatically go to the TestSelectionActivity.

### ThankYouParallelActivity

ThankYouParallelActivity is used to display the thank you message after user finish the parallel line practice. After displaying the thank you message for a few seconds, the app will automatically go to the ParallelLinePracticeResultActivity.

### TransferActivity

This activity is used to do the transfer after user switch the language or font size.

### TransferTestSelectionActivity

This activity is used to do the transfer after user change language setting or font size setting in the TestSelectionActivity.

### TutorialActivity

TutorialActivity is used to show the tutorials of this app. User can view tutorials in TutorialActivity.

### WelcomeActivity

WelcomeActivity is the launcher activity for this app. This activity displays the icon, and the copyright notice of this app when the app starts.

## Java Files

### [AccountCentreActivity.java](#)

This file contains all the implementation of AccountCentreActivity.

### [calculateParallelLinePracticeResult.java](#)

This file contains the implementation which is used to calculate the practice result of the ParallelLinePractice.

### [CircularMotionTestActivity.java](#)

This file contains the implementation of the CircularMotionTestActivity drawing part.

### [CopyrightInformationActivity.java](#)

This file contains all the implementation of the CopyrightInformationActivity.

### [DatabaseInformation.java](#)

This file contains the information of the SQLite Database, including databaseName and databaseVersion.

### [DataListActivity.java](#)

This file contains the implementation of the DataListActivity.

### [DeviceInformationActivity.java](#)

This file contains the implementation of DeviceInformationActivity.

### [DisplayCalculatingActivity.java](#)

This file contains the implementation of DisplayCalculatingActivity.

### [DisplayLoadingActivity.java](#)

This file contains the implementation of DisplayLoadingActivity.

### [DisplayProgressActivity.java](#)

This file contains the implementation of DisplayProgressActivity.

### [DisplaySendingActivity.java](#)

This file contains the implementation of DisplaySendingActivity.

#### [DurationSelectionActivity.java](#)

This file contains the implementation of DurationSelectionActivity.

#### [DynamicBlankBackgroundTestActivity.java](#)

This file contains the implementation of DynamicBlankBackgroundTestActivity.

#### [DynamicSeasonalBackgroundTestActivity.java](#)

This file contains the implementation of DynamicSeasonalBackgroundTestActivity.

#### [DynamicShowBackgorundActivity.java](#)

This file contains the implementation of DynamicShowBackgorundActivity.

#### [EmailSender.java](#)

This is a self-defined class which is in charge of sending email. This file uses some external jar files, they are activation.jar, mail.jar and additional.jar.

#### [FeedbackActivity.java](#)

This is a TODO feature of this app. Currently this haven't been implemented, but the idea is user can provide feedback of the app.

#### [FullHeightActivity.java](#)

This is a testing activity which is used to detect the screen's full height. This is for testing only, not included in the final release version.

#### [ImageSelectionActivity.java](#)

This file contains the implementation of ImageSelectionActivity.

#### [ImageSelectionActivityForCircularMotionActivity.java](#)

This file contains the implementation of ImageSelectionActivityForCircularMotionActivity.

#### [InfoActivity.java](#)

This file contains the implementation of InfoActivity.

#### [InformationCollectionActivity.java](#)

This file contains the implementation of InformationCollectionActivity.

### [IntroductionContentActivity.java](#)

This file contains the implementation of the second part of the introduction functionality, the `IntroductionContentActivity` is used to display the introduction content.

### [IntroductionPageActivity.java](#)

This file contains the implementation of the first part of the introduction functionality, the `IntroductionPageActivity` is used to display the greeting messages.

### [MyAuthenticator.java](#)

This is a self-defined class which is used to provide the authenticator functionality.

### [MyDatabaseHelper.java](#)

This class contains the definition of the SQLite database, database `onCreate()` method and database `onUpgrade()` method and `upgradeDatabase()` method.

There are three tables in this app, which are User table, Test table and Data table.

The `onCreate()` method is used to initialise the database.

The `upgradeDatabase()` method is used to re-initialise the database.

### [MyReceiver.java](#)

This class defines a `BroadcastReceiver` which is used to send a broadcast message when the data processing process has been finished.

### [MySurfaceViewForCircularMotionTest.java](#)

This class contains the definition of the `SurfaceView` used in the `CircularMotionTest`.

### [MySurfaceViewForDynamicBlankBackground.java](#)

This class contains the definition of the `SurfaceView` used in the `DynamicBlankBackgroundTest`.

### [MySurfaceViewForDynamicSeasonalBackground.java](#)

This class contains the definition of the `SurfaceView` used in the `DynamicSeasonalBackgroundTest`.

### [MySurfaceViewForParallelLinePractice.java](#)

This class contains the definition of the `SurfaceView` used in the `ParallelLinePractice`.



#### [MySurfaceViewForParallelLineTest.java](#)

This class contains the definition of the SurfaceView used in the ParallelLineTest.

#### [MySurfaceViewForStaticBackground.java](#)

This class contains the definition of the SurfaceView used in the StaticBackgroundTest.

#### [MySurfaceViewForStaticCornerBackground.java](#)

This class contains the definition of the SurfaceView used in the StaticCornerBackgroundTest.

#### [NotificationTool.java](#)

This is a helper class which helps to display the notification. Currently the app doesn't use this class.

#### [OutputCsvStringGenerator.java](#)

This is a helper class which is used to generate the string needed for csv files. Currently this method is implemented in the SendingDataEmailActivity and StoreDataFileActivity separately, and this class is not used currently.

#### [OutputStringGenerator.java](#)

This is a helper class which is used to generate the string needed for txt files and the email content. Currently this method is implemented in the SendingDataEmailActivity and StoreDataFileActivity separately, and this class is not used currently.

#### [ParallelLinePracticeActivity.java](#)

This file contains the implementation for ParallelLinePracticeActivity.

#### [ParallelLinePracticeResultActivity.java](#)

This file contains the implementation for ParallelLinePracticeResultActivity.

#### [ParallelLineTestActivity.java](#)

This file contains the implementation for ParallelLineTestActivity.

#### [PersonalInformationActivity.java](#)

This file contains the implementation for PersonalInformationActivity.

#### [PersonalInformationEditPageActivity.java](#)

This file contains the implementation for PersonalInformationEditPageActivity.

### [SendDataEmailActivity.java](#)

This file contains the implementation for SendDataEmailActivity.

### [SettingPageActivity.java](#)

This file contains the implementation for SettingPageActivity.

### [Sharing.java](#)

This class contains some variables which will be used or shared between multiple activities.

### [SharingCopyright.java](#)

This self-defined class contains the texts for the copyright information.

### [SharingIntroduction.java](#)

This self-defined class contains the texts for the introduction of the app.

### [SharingReadMe.java](#)

This class contains the texts for the ReadMe information.

### [StaticBackgroundTestActivity.java](#)

This file contains the implementation for the StaticBackgroundTestActivity.

### [StaticBackgroundTestNewActivity.java](#)

This file is for testing only, and is not used in the app. This file contains some testing on drawing on the ImageView with image background.

### [StaticCornerBackgroundTestActivity.java](#)

This file contains the implementation for StaticCornerBackgroundTestActivity.

### [StoreDataFileActivity.java](#)

This file contains the implementation for StoreDataFileActivity.

### [TestDetailScrollingActivity.java](#)

This file contains the implementation for TestDetailScrollingActivity.

#### [TestSelectionActivity.java](#)

This file contains the implementations for TestSelectionActivity.

#### [TestScaleUtils.java](#)

This file is used to change the app font size setting on Android O operating system or higher. This class cannot be used to change the app font size setting if the system version is lower than Android O.

#### [TestScaleUtils.java](#)

This file is used to change the app font size setting on the system version lower than Android O. This class cannot be used to change the app font size setting if the system version is equal or higher than Android O.

#### [ThankYouActivity.java](#)

This file contains the implementations for ThankYouActivity.

#### [ThankYouParallelActivity.java](#)

This file contains the implementation for ThankYouParallelActivity.

#### [TransferActivity.java](#)

This file contains the implementation for TransferActivity.

#### [TransferTestSelectionActivity.java](#)

This file contains the implementation for TransferTestSelectionActivity.

#### [TutorialActivity.java](#)

This file contains the implementation for TutorialActivity.

#### [WelcomeActivity.java](#)

This file contains the implementation for WelcomeActivity.

## External Jar Files

### Sending Emails

The following three files are used to send email.

Activition.jar

Mail.jar

Additional.jar

## Layout XML Files

### [Activity\\_account\\_centre.xml](#)

This file contains the AppBarLayout, toolbar layout implementation of AccountCentreActivity. The content layout of AccountCentreActivity is on content\_account\_centre.xml.

### [Activity\\_circular\\_motion\\_test.xml](#)

This file contains the layout implementation of CircularMotionTestActivity.

### [Activity\\_copyright\\_information.xml](#)

This file contains the AppBarLayout, toolbar layout implementations for CopyrightInformationActivity. The content layout of CopyrightInformationActivity is on content\_copyright\_information.xml

### [Activity\\_data\\_list.xml](#)

This file contains the AppBarLayout, toolbar layout implementations for DataListActivity. The content layout of DataListActivity is on content\_data\_list.xml

### [Activity\\_data\\_list\\_delete\\_date\\_alertdialog.xml](#)

This file contains the layout implementation for the alertdialog which let user select the delete date.

### [Activity\\_data\\_list\\_delete\\_option\\_alertdialog.xml](#)

This file contains the layout implementation for the alertdialog which ask user for the delete option.

### [Activity\\_device\\_information.xml](#)

This file contains the AppBarLayout, toolbar layout implementations for DeviceInformationActivity. The content layout of DeviceInformationActivity is on content\_device\_information.xml

### [Activity\\_display\\_calculating.xml](#)

This file contains the AppBarLayout, toolbar layout and main content layout implementation for DisplayCalculatingActivity.

### [Activity\\_display\\_loading.xml](#)

This file contains the AppBarLayout, toolbar layout and main content layout implementation for DisplayLoadingActivity.

#### [Activity\\_display\\_progress.xml](#)

This file contains the AppBarLayout, toolbar layout and main content layout implementations for DisplayProgressActivity.

#### [Activity\\_display\\_sending.xml](#)

This file contains the AppBarLayout, toolbar layout and main content implementation for DisplaySendingActivity.

#### [Activity\\_duration\\_selection\\_with\\_seekbar.xml](#)

This file contains the layout implementation for DurationSelectionActivity. This layout will be used if the user wants to do a test which requires the interval duration such as a dynamic blank background test or dynamic seasonal background test. This layout contains a seekbar which is used to choose the duration interval. The only difference between activity\_duration\_selection\_with\_seekbar.xml and activity\_selection\_without\_seekbar.xml is that whether there is a seekbar which is used for getting the interval duration.

#### [Activity\\_duration\\_selection\\_without\\_seekbar.xml](#)

This file contains the layout implementation for DurationSelectionActivity. This layout will be used if the user wants to do a test which doesn't require the interval duration such as a static test or parallel line test. This layout doesn't contain the seekbar which is used to choose the duration interval.

#### [Activity\\_dynamic\\_blank\\_background\\_test.xml](#)

This file contains the layout implementation for DynamicBlankBackgroundTestActivity.

#### [Activity\\_dynamic\\_seasonal\\_background\\_test.xml](#)

This file contains the layout implementation for DynamicSeasonalBackgroundTestActivity.

#### [Activity\\_dynamic\\_show\\_backgorund.xml](#)

This file contains the layout implementation for DynamicShowBackgroundActivity.

#### [Activity\\_feedback.xml](#)

This file contains the AppBarLayout, toolbar and FloatingActionButton layout for FeedbackActivity.

#### [Activity\\_full\\_height.xml](#)

This file contains the layout implementation for FullHeightActivity.

### [Activity\\_image\\_selection.xml](#)

This file contains the AppBarLayout, toolbar layout, ViewPager configuration and BottomNavigationView configuration for ImageSelectionActivity.

### [Activity\\_image\\_selection\\_for\\_circular\\_motion.xml](#)

This file contains the AppBarLayout, toolbar layout and main content layout for ImageSelectionForCircularMotionActivity.

### [Activity\\_info.xml](#)

This file contains the AppBarLayout and toolbar layout implementation for InfoActivity. For the main content layout of InfoActivity, go to content\_info.xml

### [Activity\\_information\\_collection.xml](#)

This file contains the AppBarLayout, toolbar layout and CollapsingToolbarLayout for InformationCollectionActivity. The main content layout for InformationCollectionActivity is in content\_information\_collection.xml

### [Activity\\_information\\_collection\\_rating\\_score\\_alertdialog.xml](#)

This file contains the main content layout for Information\_Collection\_Rating\_Score\_Alertdialog which is used to ask the user to provide their previous rating score or reconfirm that they don't have a previous rating score if they didn't provide it during the information collection process. This alertdialog is currently not used in the app.

### [Activity\\_introduction\\_content.xml](#)

This file contains the AppBarLayout and toolbar layout for IntroductionContentActivity. The main content layout for IntroductionContentActivity is in content\_introduction\_content.xml.

### [Activity\\_introduction\\_page.xml](#)

This file contains the AppBarLayout, toolbar layout and main content layout implementation for IntroductionPageActivity.

### [Activity\\_parallel\\_line\\_practice.xml](#)

This file contains the layout implementation for ParallelLinePracticeActivity.

### [Activity\\_parallel\\_line\\_practice\\_result.xml](#)

This file contains the AppBarLayout, toolbar layout and main content layout implementation for ParallelLinePracticeResultActivity.

#### [Activity\\_parallel\\_line\\_test.xml](#)

This file contains the layout implementation for ParallelLineTestActivity.

#### [Activity\\_personal\\_information.xml](#)

This file contains the AppBarLayout and toolbar layout implementation for PersonalInformationActivity. For the main content layout of PersonalInformationActivity, go to content\_personal\_information.xml

#### [Activity\\_personal\\_information\\_edit\\_page.xml](#)

This file contains the AppBarLayout, CollapsingToolbarLayout and toolbar layout implementation for PersonalInformationEditPage. The main content layout implementation for PersonalInformationEditPage is in content\_personal\_information\_edit\_page.xml.

#### [Activity\\_send\\_data\\_email.xml](#)

This file contains the AppBarLayout, toolbar Layout and main content layout for SendDataEmailActivity.

#### [Activity\\_setting\\_page.xml](#)

This file contains the AppBarLayout, toolbar layout and main content layout for SettingPageActivity.

#### [Activity\\_static\\_background\\_test.xml](#)

This file contains the layout implementations for StaticBackgroundTestActivity.

#### [Activity\\_static\\_background\\_test\\_new.xml](#)

This file contains the layout implementation for StaticBackgroundTestNewActivity, which is a testing activity, this activity is only for testing purposes, and will not be used in the final application.

#### [Activity\\_static\\_corner\\_background\\_test.xml](#)

This file contains the layout implementation for StaticCornerBackgroundTestActivity.

#### [Activity\\_store\\_data\\_file.xml](#)

This file contains the AppBarLayout, toolbar layout and the main content layout for StoreDataFileActivity.



#### [Activity\\_test\\_detail\\_scrolling.xml](#)

This file contains the AppBarLayout and toolbar layout implementation for TestDetailScrollingActivity. The main content layout implementation is in content\_test\_detail\_scrolling.xml.

#### [Activity\\_test\\_selection.xml](#)

This file contains the AppBarLayout, toolbar layout, ViewPager configuration and BottomNavigationView configuration for TestSelectionActivity.

#### [Activity\\_test\\_selection\\_page\\_setting\\_alertdialog.xml](#)

This file contains the layout implementation for Test\_Selection\_Page\_Setting\_Alertdialog, which is used for user to change the language and font size setting in TestSelectionActivity.

#### [Activity\\_thank\\_you.xml](#)

This file contains the AppBarLayout, toolbar layout and the main content layout implementation for ThankYouActivity.

#### [Activity\\_thank\\_you\\_parallel.xml](#)

This file contains the AppBarLayout, toolbar layout and the main content layout implementation for ThankYouParallelActivity

#### [Activity\\_transfer.xml](#)

This file contains the layout implementation for TransferActivity.

#### [Activity\\_transfer\\_test\\_selection.xml](#)

This file contains the layout implementation for TransferTestSelectionActivity.

#### [Activity\\_tutorial.xml](#)

This file contains a general layout for TutorialActivity.

#### [Activity\\_tutorial\\_activity\\_tutorial\\_alertdialog.xml](#)

This file contains the layout implementation for Tutorial\_activity\_tutorial\_alertdialog, which is used to show the tutorial content and information in TutorialActivity.

#### [Activity\\_welcome.xml](#)

This file contains the layout implementation for WelcomeActivity.

### [App\\_bar\\_tutorial.xml](#)

This file contains the AppBarLayout and toolbar layout of TutorialActivity. The main content layout implementation is in the content\_tutorial.xml

### [Change\\_colour\\_alertdialog.xml](#)

This file contains the layout implementation for change\_colour\_alertdialog, this alertdialog is used to let the user to choose the colour theme.

### [Choose\\_data\\_detail\\_number\\_alertdialog.xml](#)

This file contains the layout implementation for Data\_detail\_number\_alertdialog, which is used to let the user choose how many entries they want to show on each page in the TestDetailScrollingActivity.

### [Content\\_account\\_centre.xml](#)

This file contains the main content layout implementation of AccountCentreActivity.

### [Content\\_copyright\\_information.xml](#)

This file contains the main content layout implementation for CopyrightInformationActivity.

### [Content\\_data\\_list.xml](#)

This file contains the main content layout implementation for DataListActivity.

### [Content\\_device\\_information.xml](#)

This file contains the main content layout implementation for DeviceInformationActivity.

### [Content\\_feedback.xml](#)

This file contains the main content layout implementation for FeedbackActivity.

### [Content\\_info.xml](#)

This file contains the main content layout implementation for InfoActivity.

### [Content\\_information\\_collection.xml](#)

This file contains the main content layout implementation for InformationCollectionActivity.

#### [Content\\_intruduction\\_content.xml](#)

This file contains the main content layout implementation for the content part of IntroductionContentActivity.

#### [Content\\_personal\\_information.xml](#)

This file contains the main content layout implementation of PersonalInformationActivity.

#### [Content\\_personal\\_information\\_edit\\_page.xml](#)

This file contains the main content layout implementation of PersonalInformationEditPageActivity.

#### [Content\\_test\\_detail\\_scrolling.xml](#)

This file contains the main content layout implementation of TestDetailScrollingActivity.

#### [Content\\_tutorial.xml](#)

This file contains the main content layout implementation of TutorialActivity.

#### [Image\\_selection\\_page1\\_layout.xml](#)

This file contains the main content layout implementation of the first tab in ImageSelectionActivity, which is the “Spiral” tab.

#### [Image\\_selection\\_page2\\_layout.xml](#)

This file contains the main content layout implementation of the second tab in ImageSelectionActivity, which is the “Pentagon” tab.

#### [Listview\\_item.xml](#)

This file defines the layout of each entries in the listview in the DataListActivity.

#### [Nav\\_header\\_tutorial.xml](#)

This file contains the layout implementation of the header of the navigation bar in the TutorialActivity.

#### [Store\\_file\\_option\\_alertdialog.xml](#)

This file contains the layout implementation of store\_file\_option\_alertdialog, which is used to ask the user whether to store data files and clean data before switching user.

#### [Test\\_selection\\_page0\\_layout.xml](#)

This file contains the main content layout implementation of the first tab in TestSelectionActivity, which is the “Dot and Line” tab.

#### [Test\\_selection\\_page1\\_layout.xml](#)

This file contains the main content layout implementation of the second tab in TestSelectionActivity, which is the “Static Tests” tab.

#### [Test\\_selection\\_page2\\_layout.xml](#)

This file contains the main content layout implementation of the third tab in TestSelectionActivity, which is the “Dynamic Tests” tab.

## Menu XML Files

### [Activity\\_tutorial\\_drawer.xml](#)

Configuration file of the navigation drawer layout on TutorialActivity.

### [Menu\\_data\\_list\\_activity.xml](#)

Layout configuration of the top menubar on DataListActivity.

### [Menu\\_display\\_progress\\_page.xml](#)

Layout configuration of the top menubar on DisplayProgressActivity.

### [Menu\\_display\\_sending\\_page.xml](#)

Layout configuration of the top menubar on DisplaySendingActivity.

### [Menu\\_info\\_page\\_activity.xml](#)

Layout configuration of the top menubar on InfoPageActivity.

### [Menu\\_information\\_collection.xml](#)

Layout configuration of the top menubar on InformationCollectionActivity.

### [Menu\\_personal\\_information.xml](#)

Layout configuration of the top menubar on PersonalInformationActivity.

### [Menu\\_personal\\_information\\_edit.xml](#)

Layout configuration of the top menubar on PersonalInformationEditActivity.

### [Menu\\_setting\\_page\\_activity.xml](#)

Layout configuration of the top menubar on SettingPageActivity.

### [Menu\\_test\\_detail\\_scrolling.xml](#)

Default layout configuration, currently the app doesn't use this file.

### [Menu\\_test\\_detail\\_scrolling\\_activity.xml](#)

Layout configuration of the top menubar on TestDetailScrollingActivity.

[Menu\\_test\\_selection.xml](#)

Layout configuration of the top menubar on TestSelectionActivity.

[Navigation.xml](#)

Layout configuration of the buttonNavigationBar on TestSelectionActivity.

[Navigation\\_image\\_selection.xml](#)

Layout configuration of the buttonNavigationBar on ImageSelectionActivity.

[Tutorial.xml](#)

Layout configuration of the top menubar on TutorialActivity, currently the app doesn't use this file.

## String XML Files

### Strings.xml

This file contains all the texts needed for this app. If no language setting specified, this file will be used as the default file.

### String.xml (de-rDE)

This file contains the German (Germany) translation of all the texts.

### String.xml (en-rAU)

This file contains the English (Australia) translation of all the texts.

### String.xml (en-rGB)

This file contains the English (Great Britain) translation of all the texts.

### String.xml (es-rES)

This file contains the Spanish (Spain) translation of all the texts.

### String.xml(fr-rFR)

This file contains the French (France) translation of all texts.

### String.xml(it-rIT)

This file contains the Italian (Italy) translation of all texts.

### String.xml(ja-rJP)

This file contains the Japanese (Japan) translation of all texts.

### String.xml(nl-rNL)

This file contains the Dutch (Netherlands) translation of all texts.

### String.xml(pt-rPT)

This file contains the Portuguese (Portugal) translation of all texts.

### String.xml(ru-rRU)

This file contains the Russian (Russia) translation of all texts.

[String.xml\(zh-rCN\)](#)

This file contains the Simplified Chinese translation of all texts.

[String.xml\(zh-rTW\)](#)

This file contains the Traditional Chinese translation of all texts.



## Colour XML File

Colors.xml

This file contains all the definition of the colours that's needed for this application.

## Style XML File

Styles.xml

This files contains definitions of all the themes.

## Dimension XML Files

Dimens.xml

This file contains all the information related to dimensions, such as app\_bar\_height, text\_margin, appBar\_padding\_top, nav\_header\_vertical\_spacing etc.

## Mipmap

This folder contains some of the image or icon resources needed for this app.

## Drawable

This folder contains the image and icon resources needed for this app.