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Class CameraFragment

```
public class CameraFragment
extends android.support.v4.app.Fragment
```

The Class CameraFragment is the Fragment class that shows the Camera on screen. The current implementation simply create a Camera and you must write your logic for Photo and Video Camera and for Saving the Photo or Video captured from Camera.

- - **Nested Class Summary**

Nested Classes

Modifier and Type

Class and Description

Modifier and Type	Class and Description
<pre>(package private) class</pre>	<p style="text-align: center;"><u>CameraFragment.Preview</u></p> <p>A simple wrapper around a Camera and a SurfaceView that renders a centered preview of the Camera to the surface.</p>

- **Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

```
android.support.v4.app.Fragment.InstantiationException,
android.support.v4.app.Fragment.SavedState
```

- **Field Detail**

- ***mPreview***

```
private CameraFragment.Preview mPreview
```

The preview.

- ***mCamera***

```
android.hardware.Camera mCamera
```

The camera.

- ***mNumberOfCameras***

```
int mNumberOfCameras
```

The number of cameras available in device.

- ***mCurrentCamera***

```
int mCurrentCamera
```

The id of current camera.

- ***mCameraCurrentlyLocked***

```
int mCameraCurrentlyLocked
```

The id of camera currently locked.

- ***mDefaultCameraId***

```
int mDefaultCameraId
```

The default camera id.

- **Constructor Detail**

- ***CameraFragment***

```
public CameraFragment()
```

- **Method Detail**

- ***onCreate***

```
public void onCreate(android.os.Bundle savedInstanceState)
```

- **Overrides:**

`onCreate` in class `android.support.v4.app.Fragment`

- ***onCreateView***

- `public android.view.View onCreateView(android.view.LayoutInflater inflater,`

- `android.view.ViewGroup container,`

```
android.os.Bundle savedInstanceState)
```

- **Overrides:**

`onCreateView` in class `android.support.v4.app.Fragment`

- ***onResume***

```
public void onResume()
```

Overrides:

onResume in class android.support.v4.app.Fragment

- o **onPause**

```
public void onPause()
```

Overrides:

onPause in class android.support.v4.app.Fragment

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Class CustomActivity

Direct Known Subclasses:

[Friends](#), [MainActivity](#), [Settings](#), [Share](#), [Themes](#), [Timeline](#)

```
public class CustomActivity
extends android.support.v4.app.FragmentActivity
implements android.view.View.OnClickListener
```

This is a common activity that all other activities of the app can extend to inherit the common behaviors like setting a Theme to activity.

- **Field Detail**

- o **THEME**

```
private static final java.lang.String THEME
```

The Constant THEME.

See Also:

[Constant Field Values](#)

- ***THEME_YELLOW***

```
public static final int THEME_YELLOW
```

The Constant THEME_YELLOW.

See Also:

[Constant Field Values](#)

- ***THEME_GREEN***

```
public static final int THEME_GREEN
```

The Constant THEME_GREEN.

See Also:

[Constant Field Values](#)

- ***THEME_RED***

```
public static final int THEME_RED
```

The Constant THEME_RED.

See Also:

[Constant Field Values](#)

- ***THEME_BLUE***

```
public static final int THEME_BLUE
```

The Constant THEME_BLUE.

See Also:

[Constant Field Values](#)

- **theme**

```
protected int theme
```

The current theme.

- **TOUCH**

```
public static final TouchEffect TOUCH
```

Apply this Constant as touch listener for views to provide alpha touch effect. The view must have a Non-Transparent background.

- **Constructor Detail**

- **CustomActivity**

```
public CustomActivity()
```

- **Method Detail**

- **onCreate**

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

onCreate **in class** android.support.v4.app.FragmentActivity

- **onOptionsItemSelected**

```
public boolean onOptionsItemSelected(android.view.MenuItem item)
```

Overrides:

onOptionsItemSelected **in class** android.app.Activity

- **applyBgTheme**

```
public void applyBgTheme(android.view.View v)
```

Apply current theme to the background of a View.

Parameters:

v - the View on which theme will be applied.

- **setupActionBar**

```
protected void setupActionBar()
```

This method will setup the top title bar (Action bar) content and display values. It will also setup the custom background theme for ActionBar. You can override this method to change the behavior of ActionBar for particular Activity

- ***saveAppTheme***

```
protected void saveAppTheme(int theme)
```

Save the theme of the app.

Parameters:

`theme` - the theme to save

- ***getAppTheme***

```
protected int getAppTheme()
```

Returns the current theme of the app. The return value can be one of following: `THEME_BLACK` `THEME_BLUE` `THEME_GREEN` `THEME_RED`

Returns:

the app theme

- ***setTouchNClick***

```
public android.view.View setTouchNClick(int id)
```

Sets the touch and click listeners for a view..

Parameters:

`id` - the id of View

Returns:

the view

- ***setClick***


```
public android.view.View setClick(int id)
```

Sets the click listener for a view.

Parameters:

`id` - the id of View

Returns:

the view

- ***onClick***

```
public void onClick(android.view.View v)
```

Specified by:

`onClick` in interface `android.view.View.OnClickListener`

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Class Data

```
public class Data  
extends java.lang.Object
```

The Class Data is a simple Java Bean that is used to hold Name, Detail and image pairs.

- **Field Detail**
 - ***title***

```
private java.lang.String title
```

The title.

- ***desc***

```
private java.lang.String desc
```

The description.

- ***image***

```
private int image
```

The image resource id.

- **Constructor Detail**

- ***Data***
- `public Data(java.lang.String title,`
- `java.lang.String desc,`
- `int image)`

Instantiates a new feed class.

Parameters:

`title` - the title

`desc` - the desc

`image` - the image

- **Method Detail**

- ***getTitle***

```
public java.lang.String getTitle()
```

Gets the title.

Returns:

the title

- ***setTitle***

```
public void setTitle(java.lang.String title)
```

Sets the title.

Parameters:

title - the new title

- ***getDesc***

```
public java.lang.String getDesc()
```

Gets the description.

Returns:

the description

- ***setDesc***

```
public void setDesc(java.lang.String desc)
```

Sets the description.

Parameters:

desc - the new description

- ***getImage***

```
public int getImage()
```

Gets the image resource id..

Returns:

the image resource id.

- ***setImage***

```
public void setImage(int image)
```

Sets the image resource id..

Parameters:

`image` - the new image resource id.

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Class FilterFragment

```
public class FilterFragment
    extends android.support.v4.app.Fragment
```

The Class FilterFragment is the Fragment class that shows the Filter effects to be applied on Photos captured. The current implementation simply shows the different type of effects, you can add your own effects that you want.

- - **Nested Class Summary**

Nested Classes

Modifier and Type	Class and Description
<code>private class</code>	FilterFragment.GridAdapter The Class GridAdapter is the adapter class for GridView used in this Fragment.

- **Nested classes/interfaces inherited from class android.support.v4.app.Fragment**

```
android.support.v4.app.Fragment.InstantiationException,  
android.support.v4.app.Fragment.SavedState
```

- **Constructor Detail**

- ***FilterFragment***

```
public FilterFragment()
```

- **Method Detail**

- ***onCreateView***

- public android.view.View onCreateView(android.view.LayoutInflater inflater,
android.view.ViewGroup container,
android.os.Bundle savedInstanceState)

- **Overrides:**

onCreateView in class android.support.v4.app.Fragment

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Class Friends

```
public class Friends  
extends CustomActivity
```

The Class Friends is an Activity class that shows the Friend list from Facebook, Twitter and Instagram. The current implementation of this class simply shows some friends in list.

-

- o **Nested Class Summary**

Nested Classes

Modifier and Type	Class and Description
<code>private class</code>	Friends.FriendAdapter The Class FriendAdapter is the adapter class for ListView of this activity.

- **Field Detail**

- o ***sList***

```
private java.util.ArrayList<Data> sList
```

The friends list.

- **Constructor Detail**

- o ***Friends***

```
public Friends()
```

- **Method Detail**

- o ***onCreate***

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

[onCreate](#) in class [CustomActivity](#)

- o ***initViewComponents***

```
private void initViewComponents()
```

This method initialize the view components, assign OnClick, OnTouch and other required listeners on views.

- o ***getFriendList***

```
private void getFriendList()
```

This method loads the list of friends. The current implementation of this method simply creates a dummy list. You must write the code to load the actual listings.0

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Class MainActivity

```
public class MainActivity  
extends CustomActivity
```

The Class MainActivity is launched after the Splash and it includes the Photo and Video Camera and the Filter screen. Due to the conflict of Camera with ViewPager, the current implementation provides the swipe effect using the Gestures

- **Field Detail**

- ***SWIPE_MIN_DISTANCE***

```
private static final int SWIPE_MIN_DISTANCE
```

The Constant SWIPE_MIN_DISTANCE.

See Also:

[Constant Field Values](#)

- ***SWIPE_MAX_OFF_PATH***

```
private static final int SWIPE_MAX_OFF_PATH
```

The Constant SWIPE_MAX_OFF_PATH.

See Also:

[Constant Field Values](#)

- **SWIPE_THRESHOLD_VELOCITY**

```
private static final int SWIPE_THRESHOLD_VELOCITY
```

The Constant SWIPE_THRESHOLD_VELOCITY.

See Also:

[Constant Field Values](#)

- **DISPLAY_VIDEO**

```
public static final int DISPLAY_VIDEO
```

The Constant DISPLAY_VIDEO.

See Also:

[Constant Field Values](#)

- **DISPLAY_FILTER**

```
public static final int DISPLAY_FILTER
```

The Constant DISPLAY_FILTER.

See Also:

[Constant Field Values](#)

- **DISPLAY_PHOTO**

```
public static final int DISPLAY_PHOTO
```

The Constant DISPLAY_PHOTO.

See Also:

Constant Field Values

- ***display***

```
private int display
```

The current display.

- ***gesture***

```
public android.view.GestureDetector gesture
```

The gesture detector.

- ***gestureListner***

```
private android.view.GestureDetector.SimpleOnGestureListener  
gestureListner
```

The swipe gesture listener.

- **Constructor Detail**

- ***MainActivity***

```
public MainActivity()
```

- **Method Detail**

- ***onCreate***

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

[onCreate](#) in class [CustomActivity](#)

- ***initViewComponents***

```
private void initViewComponents()
```

This method initialize the view components, assign OnClick, OnTouch and other required listeners on views.

- ***initSwipeViews***

```
private void initSwipeViews()
```

Initialize the view components related to swipe gesture detection.

- ***goBackFromFragment***

```
public void goBackFromFragment(int display)
```

This method can be called from any Fragment class to remove that Fragment and attach new Fragment to this activity.

Parameters:

display - the new screen to display

- ***setupContainer***

```
private void setupContainer()
```

Setup screen components for this activity. This method attach the required Fragment to activity and hide/show required views on screen.

- ***onClick***

```
public void onClick(android.view.View v)
```

Specified by:

onClick in interface `android.view.View.OnClickListener`

Overrides:

[onClick](#) in class [CustomActivity](#)

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Class Settings

```
public class Settings
extends CustomActivity
```

The Class Settings shows the content related to Application settings such as Themes, Camera settings etc.

- - **Nested Class Summary**

Nested Classes

Modifier and Type	Class and Description
<pre>private class</pre>	<p>Settings.SettingAdapter</p> <p>The Class SettingAdapter is the Adapter class for List of Setting items.</p>

- **Field Detail**

- ***sList***

```
private java.util.ArrayList<Data> sList
```

The list of Setting items.

- **Constructor Detail**

- ***Settings***

```
public Settings()
```

- **Method Detail**

- ***onCreate***

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

[onCreate](#) in class [CustomActivity](#)

- ***initViewComponents***

```
private void initViewComponents()
```

This method initialize the view components, assign `OnClick`, `OnTouch` and other required listeners on views.

- ***onClick***

```
public void onClick(android.view.View v)
```

Specified by:

`onClick` in interface `android.view.View.OnClickListener`

Overrides:

[onClick](#) in class [CustomActivity](#)

- ***onCreateOptionsMenu***

```
public boolean onCreateOptionsMenu(android.view.Menu menu)
```

Overrides:

`onCreateOptionsMenu` in class `android.app.Activity`

- ***onOptionsItemSelected***

```
public boolean onOptionsItemSelected(android.view.MenuItem item)
```

Overrides:

[onOptionsItemSelected](#) in class [CustomActivity](#)

- ***getSettings***

```
private void getSettings()
```

Gets the setting itme. The current implementation create a dummy list of Setting items. A Non-null value for description means that the corresponding setting item will be marked as selected. You can write your code to load the actual Setting items.

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Class Share

```
public class Share
extends CustomActivity
```

The Class Share is the activity class that will launch after user Capture a Photo or Video from in-app Camera. The current implementation simply shows a static image. You must write your logic to display actual Image or Video thumb. You also need to write your logic for Share on Facebook, Twitter, Instagram and Mail.

- **Constructor Detail**

- ***Share***

```
public Share()
```

- **Method Detail**

- ***onCreate***

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

- Overrides:**

[onCreate](#) in class [CustomActivity](#)

- ***initViewComponents***

```
private void initViewComponents()
```

This method initialize the view components, assign OnClick, OnTouch and other required listeners on views. It also apply the selected theme on Views.

- ***onClick***

```
public void onClick(android.view.View v)
```

Specified by:

`onClick` in interface `android.view.View.OnClickListener`

Overrides:

[onClick](#) in class [CustomActivity](#)

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Class SplashScreen

```
public class SplashScreen
extends android.app.Activity
```

The Class SplashScreen will be launched at the start of the application. It will be displayed for 3 seconds and then finished automatically and it will also start the next activity of the app.

- **Field Detail**

- *isRunning*

```
private boolean isRunning
```

Check if the app is running.

- **Constructor Detail**

- *SplashScreen*

```
public SplashScreen()
```

- **Method Detail**

- *onCreate*

```
public void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

`onCreate` in class `android.app.Activity`

- o ***startSplash***

```
private void startSplash()
```

Starts the count down timer for 3-seconds. It simply sleeps the thread for 3-seconds.

- o ***doFinish***

```
private void doFinish()
```

If the app is still running than this method will start the MainActivity and finish the Splash.

- o ***onKeyDown***

- o

```
public boolean onKeyDown(int keyCode,  
                           android.view.KeyEvent event)
```

Specified by:

`onKeyDown` in interface `android.view.KeyEvent.Callback`

Overrides:

`onKeyDown` in class `android.app.Activity`

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Class Themes

```
public class Themes
extends CustomActivity
```

The Class Theme is the activity class that is launched when user taps on Themes button in Settings screen. This activity allows the user to select the for app.

- **Constructor Detail**

- **Themes**

```
public Themes()
```

- **Method Detail**

- **onCreate**

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

- Overrides:**

[onCreate](#) in class [CustomActivity](#)

- **initViewComponents**

```
private void initViewComponents()
```

This method initialize the view components, assign OnClick, OnTouch and other required listeners on views.

- **onClick**

```
public void onClick(android.view.View v)
```

- Specified by:**

[onClick](#) in interface [android.view.View.OnClickListener](#)

- Overrides:**

[onClick](#) in class [CustomActivity](#)

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Class Timeline

```
public class Timeline
extends CustomActivity
```

The Class Timeline is the activity class that shows the Timeline of a user. Currently this activity is launched when user select a Friend from Friend listing screen.

- **Constructor Detail**

- ***Timeline***

```
public Timeline()
```

- **Method Detail**

- ***onCreate***

```
protected void onCreate(android.os.Bundle savedInstanceState)
```

Overrides:

[onCreate](#) in class [CustomActivity](#)

- ***initViewComponents***

```
private void initViewComponents()
```

This method initialize the view components, assign OnClick, OnTouch and other required listeners on views. It also apply the selected theme on Views.

- ***onCreateOptionsMenu***

```
public boolean onCreateOptionsMenu(android.view.Menu menu)
```

Overrides:

onCreateOptionsMenu in class android.app.Activity

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Class TouchEffect

```
public class TouchEffect
extends java.lang.Object
implements android.view.View.OnTouchListener
```

The Class TouchEffect is the implementation of OnTouchListener interface. You can apply this to views mostly Buttons to provide Touch effect and that view must have a valid background. The current implementation simply set Alpha value of View background.

- **Constructor Detail**

- ***TouchEffect***

```
public TouchEffect()
```

- **Method Detail**

- ***onTouch***

- public boolean onTouch(android.view.View v,
android.view.MotionEvent event)

- Specified by:**

onTouch in interface android.view.View.OnTouchListener