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com.example.asus.myapplication

Class MainActivity

- java.lang.Object
 - - android.content.Context
 - - android.content.ContextWrapper
 - - android.view.ContextThemeWrapper
 - - android.app.Activity
 - - android.support.v4.app.FragmentActivity
 - - android.support.v7.app.ActionBarActivity
 - - com.example.asus.myapplication.MainActivity
 - All Implemented Interfaces:
android.content.ComponentCallbacks, android.content.ComponentCallbacks2,
android.support.v4.app.ActionBarDrawerToggle.DelegateProvider,
android.support.v4.app.TaskStackBuilder.SupportParentable, android.view.KeyEvent.Callback,
android.view.LayoutInflater.Factory, android.view.LayoutInflater.Factory2,
android.view.View.OnCreateContextMenuListener, android.view.Window.Callback,
android.view.Window.OnWindowDismissedCallback
-

```
public class MainActivity  
extends android.support.v7.app.ActionBarActivity
```

MainActivity will be initiated if the user chooses to search by classroom wing and number. This activity queries the user for inputs and performs an algorithm to determine if the search has a hit. It then executes an appropriate action corresponding to whether or not there is a hit.

- - **Nested Class Summary**

- **Nested classes/interfaces inherited from class android.app.Activity**

`android.app.Activity.TranslucentConversionListener`

- **Nested classes/interfaces inherited from class android.content.Context**

`android.content.Context.BindServiceFlags,`
`android.content.Context.CreatePackageOptions, android.content.Context.ServiceName`

- **Field Summary**

- **Fields inherited from class android.app.Activity**

`DEFAULT_KEYS_DIALER, DEFAULT_KEYS_DISABLE, DEFAULT_KEYS_SEARCH_GLOBAL,`
`DEFAULT_KEYS_SEARCH_LOCAL, DEFAULT_KEYS_SHORTCUT, FOCUSED_STATE_SET,`
`RESULT_CANCELED, RESULT_FIRST_USER, RESULT_OK`

- **Fields inherited from class android.content.Context**

`ACCESSIBILITY_SERVICE, ACCOUNT_SERVICE, ACTIVITY_SERVICE, ALARM_SERVICE,`
`APP_OPS_SERVICE, APPWIDGET_SERVICE, AUDIO_SERVICE, BACKUP_SERVICE, BATTERY_SERVICE,`
`BIND_ABOVE_CLIENT, BIND_ADJUST_WITH_ACTIVITY, BIND_ALLOW_OOM_MANAGEMENT,`
`BIND_AUTO_CREATE, BIND_DEBUG_UNBIND, BIND_IMPORTANT, BIND_NOT_FOREGROUND,`
`BIND_NOT_VISIBLE, BIND_SHOWING_UI, BIND_TREAT LIKE ACTIVITY, BIND_VISIBLE,`
`BIND_WAIVE_PRIORITY, BLUETOOTH_SERVICE, CAMERA_SERVICE, CAPTIONING_SERVICE,`
`CLIPBOARD_SERVICE, CONNECTIVITY_SERVICE, CONSUMER_IR_SERVICE,`
`CONTEXT_IGNORE_SECURITY, CONTEXT_INCLUDE_CODE, CONTEXT_REGISTER_PACKAGE,`
`CONTEXT_RESTRICTED, COUNTRY_DETECTOR, DEVICE_POLICY_SERVICE, DISPLAY_SERVICE,`
`DOWNLOAD_SERVICE, DROPBOX_SERVICE, ETHERNET_SERVICE, FINGERPRINT_SERVICE,`
`HDMI_CONTROL_SERVICE, INPUT_METHOD_SERVICE, INPUT_SERVICE, JOB_SCHEDULER_SERVICE,`
`KEYGUARD_SERVICE, LAUNCHER_APPS_SERVICE, LAYOUT_INFLATER_SERVICE, LOCATION_SERVICE,`
`MEDIA_PROJECTION_SERVICE, MEDIA_ROUTER_SERVICE, MEDIA_SESSION_SERVICE, MODE_APPEND,`
`MODE_ENABLE_WRITE_AHEAD_LOGGING, MODE_MULTI_PROCESS, MODE_PRIVATE,`

MODE_WORLD_READABLE, MODE_WORLD_WRITEABLE, NETWORK_POLICY_SERVICE, NETWORK_SCORE_SERVICE, NETWORK_STATS_SERVICE, NETWORKMANAGEMENT_SERVICE, NFC_SERVICE, NOTIFICATION_SERVICE, NSD_SERVICE, PERSISTENT_DATA_BLOCK_SERVICE, POWER_SERVICE, PRINT_SERVICE, RESTRICTIONS_SERVICE, SEARCH_SERVICE, SENSOR_SERVICE, SERIAL_SERVICE, SIP_SERVICE, STATUS_BAR_SERVICE, STORAGE_SERVICE, TELECOM_SERVICE, TELEPHONY_SERVICE, TEXT_SERVICES_MANAGER_SERVICE, TRUST_SERVICE, TV_INPUT_SERVICE, UI_MODE_SERVICE, UPDATE_LOCK_SERVICE, USAGE_STATS_SERVICE, USB_SERVICE, USER_SERVICE, VIBRATOR_SERVICE, VOICE_INTERACTION_MANAGER_SERVICE, WALLPAPER_SERVICE, WIFI_P2P_SERVICE, WIFI_PASSPOINT_SERVICE, WIFI_RTT_SERVICE, WIFI_SCANNING_SERVICE, WIFI_SERVICE, WINDOW_SERVICE

■ Fields inherited from interface android.content.ComponentCallbacks2

TRIM_MEMORY_BACKGROUND, TRIM_MEMORY_COMPLETE, TRIM_MEMORY_MODERATE, TRIM_MEMORY_RUNNING_CRITICAL, TRIM_MEMORY_RUNNING_LOW, TRIM_MEMORY_RUNNING_MODERATE, TRIM_MEMORY_UI_HIDDEN

○ Constructor Summary

Constructors

Constructor and Description

[MainActivity\(\)](#)

○ Method Summary

Methods

Modifier and Type	Method and Description
android.support.v4.app.FragmentManager	<u>getSupportFragmentManager()</u>
protected void	<u>onCreate</u> (android.os.Bundle savedInstanceState) Perform initialization of all fragments and loaders.
	<u>onCreateOptionsMenu</u> (android.view.Menu menu)

boolean	Initialize the contents of the Activity's standard options menu.
boolean	<u>onOptionsItemSelected</u> (android.view.MenuItem item) This hook is called whenever an item in your options menu is selected.
void	<u>sendMessage</u> (android.view.View view) Executed once the submit button has been clicked.

■ Methods inherited from class **android.support.v7.app.ActionBarActivity**

addContentView, getDrawerToggleDelegate, getMenuInflater, getSupportActionBar, getSupportParentActivityIntent, getV7DrawerToggleDelegate, invalidateOptionsMenu, onBackPressed, onConfigurationChanged, onContentChanged, onCreatePanelMenu, onCreatePanelView, onCreateSupportNavigateUpTaskStack, onCreateView, onDestroy, onKeyDown, onKeyShortcut, onOptionsItemSelected, onMenuOpened, onPanelClosed, onPostResume, onPrepareOptionsMenu, onPreparePanel, onPrepareSupportNavigateUpTaskStack, onStop, onSupportActionModeFinished, onSupportActionModeStarted, onSupportContentChanged, onSupportNavigateUp, onTitleChanged, setContentView, setContentView, setContentView, setSupportActionBar, setSupportProgress, setSupportProgressBarIndeterminate, setSupportProgressBarIndeterminateVisibility, setSupportProgressBarVisibility, startSupportActionMode, supportInvalidateOptionsMenu, supportNavigateUpTo, supportRequestWindowFeature, supportShouldUpRecreateTask

■ Methods inherited from class **android.support.v4.app.FragmentActivity**

dump, getLastCustomNonConfigurationInstance, getSupportFragmentManager, getSupportLoaderManager, onActivityResult, onAttachFragment, onLowMemory, onNewIntent, onPause, onResume, onResumeFragments, onRetainCustomNonConfigurationInstance, onRetainNonConfigurationInstance, onSaveInstanceState, onStart, setEnterSharedElementCallback, setExitSharedElementCallback, startActivityForResult, startActivityFromFragment, supportFinishAfterTransition, supportPostponeEnterTransition,

■ Methods inherited from class `android.app.Activity`

`closeContextMenu`, `closeOptionsMenu`, `convertFromTranslucent`, `convertToTranslucent`,
`createPendingResult`, `dismissDialog`, `dispatchGenericMotionEvent`, `dispatchKeyEvent`,
`dispatchKeyShortcutEvent`, `dispatchPopulateAccessibilityEvent`, `dispatchTouchEvent`,
`dispatchTrackballEvent`, `findViewById`, `finish`, `finishActivity`,
`finishActivityFromChild`, `finishAffinity`, `finishAfterTransition`, `finishAndRemoveTask`,
`finishFromChild`, `getActionBar`, `getActivityToken`, `getApplication`, `getCallingActivity`,
`getCallingPackage`, `getChangingConfigurations`, `getComponentName`, `getContentScene`,
`getContentTransitionManager`, `getCurrentFocus`, `getFragmentManager`, `getIntent`,
`getLastNonConfigurationInstance`, `getLayoutInflater`, `getLoaderManager`,
`getLocalClassName`, `getMediaController`, `getParent`, `getParentActivityIntent`,
`getPreferences`, `getRequestedOrientation`, `getSystemService`, `getTaskId`, `getTitle`,
`getTitleColor`, `getVoiceInteractor`, `getVolumeControlStream`, `getWindow`,
`getWindowManager`, `hasWindowFocus`, `isBackgroundVisibleBehind`,
`isChangingConfigurations`, `isChild`, `isDestroyed`, `isFinishing`, `isImmersive`, `isResumed`,
`isTaskRoot`, `isVoiceInteraction`, `managedQuery`, `managedQuery`, `moveTaskToBack`,
`navigateUpTo`, `navigateUpToFromChild`, `onActionModeFinished`, `onActionModeStarted`,
`onActivityReenter`, `onApplyThemeResource`, `onAttachedToWindow`, `onAttachFragment`,
`onBackgroundVisibleBehindChanged`, `onChildTitleChanged`, `onContextItemSelected`,
`onContextMenuClosed`, `onCreate`, `onCreateContextMenu`, `onCreateDescription`,
`onCreateDialog`, `onCreateDialog`, `onCreateNavigateUpTaskStack`, `onCreateThumbnail`,
`onCreateView`, `onDetachedFromWindow`, `onEnterAnimationComplete`, `onGenericMotionEvent`,
`onKeyLongPress`, `onKeyMultiple`, `onKeyUp`, `onNavigateUp`, `onNavigateUpFromChild`,
`onNewActivityOptions`, `onOptionsMenuClosed`, `onPostCreate`, `onPostCreate`,
`onPrepareDialog`, `onPrepareDialog`, `onPrepareNavigateUpTaskStack`,
`onPrepareOptionsMenu`, `onProvideAssistData`, `onRestart`, `onRestoreInstanceState`,
`onRestoreInstanceState`, `onSaveInstanceState`, `onSearchRequested`, `onTouchEvent`,
`onTrackballEvent`, `onTrimMemory`, `onUserInteraction`, `onUserLeaveHint`,
`onVisibleBehindCanceled`, `onWindowAttributesChanged`, `onWindowDismissed`,
`onWindowFocusChanged`, `onWindowStartingActionMode`, `openContextMenu`, `openOptionsMenu`,
`overridePendingTransition`, `postponeEnterTransition`, `recreate`,
`registerForContextMenu`, `releaseInstance`, `removeDialog`, `reportFullyDrawn`,
`requestVisibleBehind`, `requestWindowFeature`, `runOnUiThread`, `setActionBar`,
`setContentTransitionManager`, `setDefaultKeyMode`, `setEnterSharedElementCallback`,

setExitSharedElementCallback, setFeatureDrawable, setFeatureDrawableAlpha, setFeatureDrawableResource, setFeatureDrawableUri, setFinishOnTouchOutside, setImmersive, setIntent, setMediaController, setPersistent, setProgress, setProgressBarIndeterminate, setProgressBarIndeterminateVisibility, setProgressBarVisibility, setRequestedOrientation, setResult, setResult, setSecondaryProgress, setTaskDescription, setTitle, setTitle, setTitleColor, setVisible, setVolumeControlStream, shouldUpRecreateTask, showDialog, showDialog, startActionMode, startActivities, startActivities, startActivity, startActivity, startActivityAsCaller, startActivityAsUser, startActivityAsUser, startActivityForResult, startActivityForResultAsUser, startActivityForResultAsUser, startActivityFromChild, startActivityFromChild, startActivityFromFragment, startActivityFromFragment, startActivityIfNeeded, startActivityIfNeeded, startIntentSender, startIntentSender, startIntentSenderForResult, startIntentSenderForResult, startIntentSenderFromChild, startIntentSenderFromChild, startLockTask, startManagingCursor, startNextMatchingActivity, startNextMatchingActivity, startPostponedEnterTransition, startSearch, stopLockTask, stopManagingCursor, takeKeyEvents, triggerSearch, unregisterForContextMenu

■ Methods inherited from class `android.view.ContextThemeWrapper`

applyOverrideConfiguration, attachBaseContext, getResources, getTheme, getThemeResId, setTheme

■ Methods inherited from class `android.content.ContextWrapper`

bindService, bindServiceAsUser, checkCallingOrSelfPermission, checkCallingOrSelfUriPermission, checkCallingPermission, checkCallingUriPermission, checkPermission, checkUriPermission, checkUriPermission, clearWallpaper, createApplicationContext, createConfigurationContext, createDisplayContext, createPackageContext, createPackageContextAsUser, databaseList, deleteDatabase, deleteFile, enforceCallingOrSelfPermission, enforceCallingOrSelfUriPermission, enforceCallingPermission, enforceCallingUriPermission, enforcePermission, enforceUriPermission, enforceUriPermission, fileList, getApplicationContext, getApplicationInfo, getAssets, getBaseContext, getBasePackageName, getCacheDir, getClassLoader, getCodeCacheDir, getContentResolver, getDatabasePath, getDir, getDisplayAdjustments, getExternalCacheDir, getExternalCacheDirs,

getExternalFilesDir, getExternalFilesDirs, getExternalMediaDirs, getFilesDir, getFilePath, getMainLooper, getNoBackupFilesDir, getObbDir, getObbDirs, getOpPackageName, getPackageCodePath, getPackageManager, getPackageName, getPackageResourcePath, getSharedPreferences, getSharedPreferencesFile, getUserId, getWallpaper, getWallpaperDesiredMinimumHeight, getWallpaperDesiredMinimumWidth, grantUriPermission, isRestricted, openFileInput, openFileOutput, openOrCreateDatabase, openOrCreateDatabase, peekWallpaper, registerReceiver, registerReceiver, registerReceiverAsUser, removeStickyBroadcast, removeStickyBroadcastAsUser, revokeUriPermission, sendBroadcast, sendBroadcast, sendBroadcast, sendBroadcastAsUser, sendBroadcastAsUser, sendBroadcastAsUser, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcast, sendOrderedBroadcastAsUser, sendOrderedBroadcastAsUser, sendStickyBroadcast, sendStickyBroadcastAsUser, sendStickyOrderedBroadcast, sendStickyOrderedBroadcastAsUser, setWallpaper, setWallpaper, startActivitiesAsUser, startInstrumentation, startService, startServiceAsUser, stopService, stopServiceAsUser, unbindService, unregisterReceiver

■ Methods inherited from class android.content.Context

getDrawable, getString, getString, getText, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, obtainStyledAttributes, registerComponentCallbacks, unregisterComponentCallbacks

■ Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

- **Constructor Detail**

- **MainActivity**

```
public MainActivity()
```


◦ Method Detail

■ onCreate

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

Description copied from class: `android.support.v4.app.FragmentActivity`

Perform initialization of all fragments and loaders.

Overrides:

`onCreate` in class `android.support.v7.app.ActionBarActivity`

Parameters:

`savedInstanceState` - If the activity is being re-initialized after previously being shut down then this Bundle contains the data it most recently supplied in

`Activity.onSaveInstanceState(android.os.Bundle)`. **Note: Otherwise it is null.**

See Also:

`Activity.onStart()`, `Activity.onSaveInstanceState(android.os.Bundle)`,
`Activity.onRestoreInstanceState(android.os.Bundle)`,
`Activity.onCreate(android.os.Bundle)`

■ onCreateOptionsMenu

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

Description copied from class: `android.app.Activity`

Initialize the contents of the Activity's standard options menu. You should place your menu items in to *menu*.

This is only called once, the first time the options menu is displayed. To update the menu every time it is displayed, see `Activity.onPrepareOptionsMenu(android.view.Menu)`.

The default implementation populates the menu with standard system menu items. These are placed in the `Menu.CATEGORY_SYSTEM` group so that they will be correctly ordered with application-defined menu items. Deriving classes should always call through to the base implementation.

You can safely hold on to *menu* (and any items created from it), making modifications to it as desired, until the next time `onCreateOptionsMenu()` is called.

When you add items to the menu, you can implement the Activity's `Activity.onOptionsItemSelected(android.view.MenuItem)` method to handle them there.

Overrides:

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

Parameters:

`menu` - The options menu in which you place your items.

Returns:

You must return true for the menu to be displayed; if you return false it will not be shown.

See Also:

`Activity.onPrepareOptionsMenu(android.view.Menu),`
`Activity.onOptionsItemSelected(android.view.MenuItem)`

■ onOptionsItemSelected

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

Description copied from class: `android.app.Activity`

This hook is called whenever an item in your options menu is selected. The default implementation simply returns false to have the normal processing happen (calling the item's Runnable or sending a message to its Handler as appropriate). You can use this method for any items for which you would like to do processing without those other facilities.

Derived classes should call through to the base class for it to perform the default menu handling.

Overrides:

`onOptionsItemSelected` in class `android.app.Activity`

Parameters:

`item` - The menu item that was selected.

Returns:

boolean Return false to allow normal menu processing to proceed, true to consume it here.

See Also:

`Activity.onCreateOptionsMenu(android.view.Menu)`

■ `sendMessage`

```
public void sendMessage(android.view.View view)
```

Executed once the submit button has been clicked. Will query results and see if a match has been found. Initiates a new activity depending on results.

Parameters:

`view` - Handles screen layouts and interaction with the user

■ `getSupportFragmentManager`

```
public android.support.v4.app.FragmentManager getSupportFragmentManager()
```

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