TY’s Terminal App for Android™
Source code Document

Version 4.2

May-2020
Class Documentation

com.taiyoyuden.tyapp_terminal.BeaconFragment Class

Reference

Inheritance diagram for com.taiyoyuden.tyapp_terminal.BeaconFragment:

![Inheritance Diagram]

Classes

class CustomAdapter

This class extends the BaseAdapter to hold a list of Bluetooth devices discovered during scanning. New devices are allocated a 'device' layout which is populated and added to the list.

Public Member Functions

View onCreateView (LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState)

void updateBeacons (ArrayList< Beacon > beacons)

Private Attributes

String TAG = "Beacon Fragment"

CustomAdapter deviceAdapter

ArrayList< Beacon > beaconList

AdapterView.OnItemClickListener listenerItemSelected

Member Data Documentation

AdapterView.OnItemClickListener com.taiyoyuden.tyapp_terminal.BeaconFragment.listenerItemSelected [private]

Initial value: new AdapterView.OnItemClickListener() {
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        final Beacon device = beaconList.get(position);
        Log.d(TAG, "Device " + device.getName() + " selected");
        switch (parent.getId()){
            case R.layout.tyd_beacon: break;
            case R.layout.beacon_device:
                Toast.makeText(getActivity().getApplicationContext(), "Connecting to beacons is not allowed", Toast.LENGTH_SHORT).show();
                break;
            default: break;
        }
    }
}

The documentation for this class was generated from the following file:

app/src/main/java/com/taiyoyuden/tyapp_terminal/BeaconFragment.java
com.taiyoyuden.tyapp_terminal.BLEService Class Reference

Inheritance diagram for com.taiyoyuden.tyapp_terminal.BLEService:

Classes

class LocalBinder

Public Member Functions

IBinder onBind(Intent intent)
boolean onUnbind(Intent intent)
boolean initialiseService()
void startScan(final ScanCallback scanCallback)
void stopScan(final ScanCallback scanCallback)
BluetoothGatt connectToDevice(String address)
void disconnectDevice()
BluetoothGatt getGattInstance()
List<BluetoothGattService> getServices()
BluetoothGattService getService(UUID uuid)

Static Public Attributes

static final String ACTION_GATT_CONNECTED
Intent on successful connection to GATT server hosted on remote device.

static final String ACTION_GATT_DISCONNECTED
Intent broadcast when remote GATT server is no longer connected.

static final String ACTION_GATT_SERVICES
Intent broadcast when remote device service discovery is finished.

static final String ACTION_DATA_RECEIVED
Intent broadcast on data received from remote device.

static final String ACTION_DESCRIPTOR_WROTE
Intent broadcast when descriptor wrote.

Private Attributes

BluetoothAdapter mBluetoothAdapter
BluetoothGatt mBluetoothGatt
ScanSettings settings
BluetoothLeScanner mLEScanner
List<ScanFilter> filterList
IBinder mBinder = new LocalBinder()
final BluetoothGattCallback mGattCallback

Static Private Attributes

static final String TAG = "BLE Service"
Detailed Description
Background service for interfacing with Bluetooth radio. Provides a number of functions related to BLE device discovery and connection.

Date
10/18/2016

Member Function Documentation

**BluetoothGatt com.taiyoyuden.tyapp_terminal.BLEService.connectToDevice (String address)**
Connect to the remote device at the specified address

**Parameters**

| address | MAC identifier of the device to connect to |

**Returns**
Bluetooth Gatt instance for accessing device specific methods

**void com.taiyoyuden.tyapp_terminal.BLEService.disconnectDevice ()**
Disconnect from the currently connected device

**BluetoothGatt com.taiyoyuden.tyapp_terminal.BLEService.getGattInstance ()**
Get an instance of the currently connected device GATT

**Returns**
Bluetooth Gatt instance for accessing device specific methods

**BluetoothGattService com.taiyoyuden.tyapp_terminal.BLEService.getService (UUID uuid)**
Get the peripheral service associated with a specific UUID

**Parameters**

| uuid | UUID of the service to retrieve |

**Returns**
BluetoothGattService, or null if not present on peripheral

**List<BluetoothGattService> com.taiyoyuden.tyapp_terminal.BLEService.getServices ()**
Get a list of discovered services for the currently connected peripheral

**Returns**
List of services associated with the connected peripheral

**boolean com.taiyoyuden.tyapp_terminal.BLEService.initialiseService ()**
Service initialisation. Acquires Bluetooth components and checks hardware states.

**Returns**
False if a component is not available
IBinder com.taiyoyuden.tyapp_terminal.BLEService.onBind (Intent \texttt{intent}) [inline]

Function called when application binds to this service.

**Parameters**

- \texttt{intent} \hspace{1cm} Explicit intent referencing this class

**Returns**

Binder to this service

boolean com.taiyoyuden.tyapp_terminal.BLEService.onUnbind (Intent \texttt{intent}) [inline]

Function called when application unbinds from this service. Service will be destroyed if no more connections are present.

**Parameters**

- \texttt{intent} \hspace{1cm} Explicit intent referencing this class

void com.taiyoyuden.tyapp_terminal.BLEService.startScan (final ScanCallback \texttt{scanCallback}) [inline]

Initiates scanning for discoverable Bluetooth devices. No timeout.

**Parameters**

- \texttt{scanCallback} \hspace{1cm} Callback object to notify on device discovery

void com.taiyoyuden.tyapp_terminal.BLEService.stopScan (final ScanCallback \texttt{scanCallback}) [inline]

Stop a previously initiated scan.

**Parameters**

- \texttt{scanCallback} \hspace{1cm} Callback object used to initiate scan

---

**Member Data Documentation**

final BluetoothGattCallback com.taiyoyuden.tyapp_terminal.BLEService.mGattCallback [private]

Callback for GATT events (device specific). Broadcasts intents to application.

---

The documentation for this class was generated from the following file:

app/src/main/java/com/taiyoyuden/tyapp_terminal/BLEService.java
com.taiyoyuden.tyapp_terminal.ConnectableFragment Class Reference

Inheritance diagram for com.taiyoyuden.tyapp_terminal.ConnectableFragment:

```
Fragment
com.taiyoyuden.tyapp_terminal.ConnectableFragment
```

Classes

class CustomAdapter

This class extends the BaseAdapter to hold a list of Bluetooth devices discovered during scanning. New devices are allocated a 'device' layout which is populated and added to the list.

Public Member Functions

View void onCreateView (LayoutInflater inflater, ViewGroup container, Bundle savedInstanceState)

void updateConnectable (ArrayList< BluetoothDevice > newdevices, HashMap< String, Integer > newrssi)

Private Attributes

String TAG = "Connectable Fragment"
ArrayList< BluetoothDevice > deviceList
CustomAdapter deviceAdapter
HashMap< String, Integer > RSSI
AdapterView.OnItemClickListener listenerItemSelected

Member Data Documentation

AdapterView.OnItemClickListener com.taiyoyuden.tyapp_terminal.ConnectableFragment.listenerItemSelected [private]

```
Initial value:= new AdapterView.OnItemSelectedListener () {
    @Override
    public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        final BluetoothDevice device = deviceList.get(position);
        Log.d(TAG, "Device "+ device.getName() + " selected");
        ((DeviceSelection)getActivity()).connectDevice(device.getAddress());
    }
}
```

The documentation for this class was generated from the following file:

app/src/main/java/com/taiyoyuden/tyapp_terminal/ConnectableFragment.java

TAIYO YUDEN CO., LTD.
com.taiyoyuden.tyapp_terminal.BeaconFragment.CustomAdapter Class Reference

This class extends the BaseAdapter to hold a list of Bluetooth devices discovered during scanning. New devices are allocated a 'device' layout which is populated and added to the list.

Inheritance diagram for com.taiyoyuden.tyapp_terminal.BeaconFragment.CustomAdapter:

```
<table>
<thead>
<tr>
<th>BaseAdapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>com.taiyoyuden.tyapp_terminal.BeaconFragment.CustomAdapter</td>
</tr>
</tbody>
</table>
```

Public Member Functions

- int getItemViewType (int position)
- int getViewTypeCount ()
- Beacon getItemCount (int position)
- long getItemCountId (int position)
- int getCount ()
- View getView (final int position, View convertView, ViewGroup parent)

Private Member Functions

- void parseBeaconData (byte[] data)
- void parseTYDBeaconData (byte[] data)
- short parseBytesToInt_LittleEndian (byte[] unparsed)

Private Attributes

- Context context
- List< Beacon > deviceList
- String P_UUID
- String Major
- String Measured_power
- short typeId

Detailed Description

This class extends the BaseAdapter to hold a list of Bluetooth devices discovered during scanning. New devices are allocated a 'device' layout which is populated and added to the list.

The documentation for this class was generated from the following file:

app/src/main/java/com/taiyoyuden/tyapp_terminal/BeaconFragment.java
com.taiyoyuden.tyapp_terminal.ConnectableFragment.CustomAdapter Class Reference

This class extends the BaseAdapter to hold a list of Bluetooth devices discovered during scanning. New devices are allocated a 'device' layout which is populated and added to the list.

Inheritance diagram for
com.taiyoyuden.tyapp_terminal.ConnectableFragment.CustomAdapter:

```
com.taiyoyuden.tyapp_terminal.ConnectableFragment.CustomAdapter
```

**Public Member Functions**

- BluetoothDevice getItem(int position)
- long getItemId(int position)
- int getCount()
- View getView(final int position, View convertView, ViewGroup parent)

**Private Attributes**

- Context context
- List<BluetoothDevice> deviceList

**Detailed Description**

This class extends the BaseAdapter to hold a list of Bluetooth devices discovered during scanning. New devices are allocated a 'device' layout which is populated and added to the list.

The documentation for this class was generated from the following file:

app/src/main/java/com/taiyoyuden/tyapp_terminal/ConnectableFragment.java
com.taiyoyuden.tyapp_terminal.DeviceSelection Class

Reference

Inheritance diagram for com.taiyoyuden.tyapp_terminal.DeviceSelection:

Classes

class MyPagerAdapter

Public Member Functions

void onRequestPermissionsResult (int requestCode, String[] permissions, int[] grantResults)
void connectDevice (String address)

Static Public Attributes

static final String REQUEST_ENABLE_BT_DENIED
Status notifying that user declined to enable Bluetooth service.

Protected Member Functions

void onCreate (Bundle savedInstanceState)
Initialises UI components, performs a permissions check and binds to BLE service class.

void onStart ()
void onResume ()
Checks state of Bluetooth radio and resumes scanning for BLE devices.

void onPause ()
Halts BLE scanning while activity is not running in the foreground.

void onDestroy ()
void onActivityResult (int requestCode, int result, Intent data)

Private Member Functions

void bindToService ()
void StartScanning ()
void StopScanning ()
boolean checkiBeacon (byte[] scanRecord)
boolean checkTYDBeacon (ScanRecord scanRecord)
boolean checkBeaconCondition (ScanRecord scanRecord)
void addDevice (BluetoothDevice device, int rssi)
Add a newly discovered device to the list so it can be displayed on the UI. Updates devices already present.

void addBeacon (BluetoothDevice device, byte[] beacondata, int rssi, int type)
boolean checkPermissions ()
Checks if the user has previously accepted permissions request for this application. If not a dialog window is displayed to request permission to access location services.
boolean isBluetoothEnabled ()
Check state of Bluetooth system service to ensure connection is still valid.

boolean isLocationEnabled ()
Check state of Location system service to allow scanning (req’d in API >=23 - Marshmallow)

Private Attributes
BLEService mService
ArrayList<BluetoothDevice> connectabledeviceList
ArrayList<Beacon> beaconsList
HashMap<String, Integer> RSSI
ViewPager vpPager
FragmentStatePagerAdapter adapterViewPager
ConnectableFragment connectable
BeaconFragment beacon
boolean requestBluetooth = false
boolean bindService = false
boolean permissionAccepted = false
BroadcastReceiver HardwareStatusReceiver
ServiceConnection mServiceConnection
ScanCallback mScanCallback

Static Private Attributes
static final String TAG = "TerminalApp"
static final int PERMISSION_REQUEST_COARSE_LOCATION = 0
static final int REQUEST_ENABLE_BT = 1
static final int REQUEST_OPEN_TERMINAL = 2
static final int REQUEST_ENABLE_LOCATION = 3
static final short[] ibeacon_prefix = {0x02,0x01,0x06,0x1A,0xff,0x4C,0x00,0x02,0x15}

Detailed Description
Main application activity launched at runtime. This activity connects to the BLEService and initiates scanning for Bluetooth Low Energy compatible devices. Discovered devices will appear as selectable items on the application UI, selection of a device will launch the Terminal activity.

Activity will prompt user for permission to access location on first launch of application (necessary due to known Android bug requiring location permission for background BLE scanning). Activity will request for enabling Bluetooth system service if it is disabled. Not accepting this request will exit the application.

Date
10/18/2016

Member Function Documentation
void com.taiyoyuden.tyapp_terminal.DeviceSelection.addDevice (BluetoothDevice device, int rssi) [inline], [private]
Add a newly discovered device to the list so it can be displayed on the UI. Updates devices already present.

### Parameters

<table>
<thead>
<tr>
<th>device</th>
<th>Bluetooth device to add/update</th>
</tr>
</thead>
<tbody>
<tr>
<td>rssi</td>
<td>Signal strength of device</td>
</tr>
</tbody>
</table>

#### boolean com.taiyoyuden.tyapp_terminal.DeviceSelection.checkBeaconCondition

(ScanRecord \(scanRecord\)) \([\text{inline}], [\text{private}]\)

Verifies that it's a valid beacon. It's valid if it has manufacturer data and its UUID corresponds to TY's UUID beacons

#### Parameters

| scanRecord | The device record data |

#### Returns

true if it's a valid beacon, false otherwise

#### boolean com.taiyoyuden.tyapp_terminal.DeviceSelection.checkPermissions()

() \([\text{inline}], [\text{private}]\)

Checks if the user has previously accepted permissions request for this application. If not a dialog window is displayed to request permission to access location services.

#### Note

Required as of API level 23

#### boolean com.taiyoyuden.tyapp_terminal.DeviceSelection.isBluetoothEnabled()

() \([\text{inline}], [\text{private}]\)

Check state of Bluetooth system service to ensure connection is still valid.

#### Returns

True if okay, false if we have to make a request

#### boolean com.taiyoyuden.tyapp_terminal.DeviceSelection.isLocationEnabled()

() \([\text{inline}], [\text{private}]\)

Check state of Location system service to allow scanning (req'd in API >=23 - Marshmallow)

#### Returns

True if okay, false if we have to make a request

#### void com.taiyoyuden.tyapp_terminal.DeviceSelection.onRequestPermissionsResult

(int \(requestCode\), String[] \(permissions\), int[] \(grantResults\)) \([\text{inline}]\)

Handles results of permission requests

#### Parameters

| requestCode | Value used to request permission dialog |
Member Data Documentation

**BroadcastReceiver**

*Initial value:* new BroadcastReceiver () {

```java
@Override
public void onReceive(Context context, Intent intent) {
    switch (intent.getAction()) {
    case BluetoothAdapter.ACTION_STATE_CHANGED:
        case LocationManager.PROVIDERS_CHANGED_ACTION:
            StartScanning();
            break;
    }
}
```

Receiver for BluetoothAdapter state changes (Bluetooth service enabled/disabled)

**ServiceConnection**
com.taiyoyuden.tyapp_terminal.DeviceSelection.mServiceConnection [private]

*Initial value:* new ServiceConnection () {

```java
public void onServiceConnected(ComponentName className, IBinder rawBinder) {
    mService = ((LocalBinder) rawBinder).getService();
    bindService = true;
    if (!mService.initialiseService()) {
        finish();
    } else {
        StartScanning();
    }
}
```

```java
public void onServiceDisconnected(ComponentName classname) {
    Log.d(TAG, "onServiceDisconnected");
    StopScanning();
    mService = null;
    bindService = false;
}
```

The documentation for this class was generated from the following file:
app/src/main/java/com/taiyoyuden/tyapp_terminal/DeviceSelection.java
com.taiyoyuden.tyapp_terminal.Terminal.EOL_TYPE Enum

Reference

Public Attributes

   None
   CR
   LF
   CRLF

The documentation for this enum was generated from the following file:
app/src/main/java/com/taiyoyuden/tyapp_terminal/Terminal.java
com.taiyoyuden.tyapp_terminal.Terminal FORMAT Enum

Reference

Public Attributes

Ascii
Hex

The documentation for this enum was generated from the following file:
app/src/main/java/com/taiyoyuden/tyapp_terminal/Terminal.java
**com.taiyoyuden.tyapp_terminal.BLEService.LocalBinder**

**Class Reference**

Inheritance diagram for com.taiyoyuden.tyapp_terminal.BLEService.LocalBinder:

![Inheritance diagram](image)

**Detailed Description**

Custom binder class for connecting to this service

The documentation for this class was generated from the following file:

app/src/main/java/com/taiyoyuden/tyapp_terminal/BLEService.java
com.taiyoyuden.tyapp_terminal.DeviceSelection.MyPagerAdapter Class Reference

Inheritance diagram for
com.taiyoyuden.tyapp_terminal.DeviceSelection.MyPagerAdapter:

Public Member Functions

MyPagerAdapter
(FragmentManager fragmentManager, Context context)
int getCount ()
Fragment getItem(int position)
CharSequence getPageTitle(int position)
Object instantiateItem(ViewGroup container, int position)
int getItemPosition(Object object)

Private Attributes

int NUM_ITEMS = 2
HashMap< Integer,Fragment > registeredFragments = new HashMap<>()
String[] tabTitles = {"Connectable", "Beacons"}
Context context

Detailed Description

ViewPager Class for the fragments

The documentation for this class was generated from the following file:
app/src/main/java/com/taiyoyuden/tyapp_terminal/DeviceSelection.java
com.taiyoyuden.tyapp_terminal.Terminal Class Reference

Inheritance diagram for com.taiyoyuden.tyapp_terminal.Terminal:

```
AppCompatActivity

com.taiyoyuden.tyapp_terminal.Terminal
```

Classes

- enum EOL_TYPE
- enum FORMAT
- class QueueAdapter

Static Public Attributes

- static final UUID TY_SERVICE_UUID = UUID.fromString("442F1570-8A00-9A28-CBE1-E1D4212D53EB")
- static final UUID NOTIFICATION_CHARACTERISTIC_UUID = UUID.fromString("442F1571-8A00-9A28-CBE1-E1D4212D53EB")
- static final UUID WRITE_NO_RESPONSE_CHARACTERISTIC_UUID = UUID.fromString("442F1572-8A00-9A28-CBE1-E1D4212D53EB")
- static final UUID INDICATION_CHARACTERISTIC_UUID = UUID.fromString("442F1573-8A00-9A28-CBE1-E1D4212D53EB")
- static final UUID BATTERY_SERVICE_UUID = UUID.fromString("0000180f-0000-1000-8000-0080f9b34fb")
- static final UUID BATTERY_LEVEL_UUID = UUID.fromString("00002a19-0000-1000-8000-0080f9b34fb")

Protected Member Functions

- void onCreate(Bundle savedInstanceState)
  
  Initialises UI (partial until device connection succeeds) and connects to the BLE service.

- void onResume()
  
  Checks the status of the Bluetooth adapter and device connection before resuming activity.

- void onDestroy()
  
  Unregisters receivers and unbinds from BLE service.

- void onActivityResult(int requestCode, int result, Intent data)
  
  Checks the result of user request to enable Bluetooth system service.

Private Member Functions

- void showFormatSelect()
- void showEOLSelect()
- void pageInit()
- void sendMessage(String message)
  
  Handles delivery of message to connected device.

- byte[] ascii2hex(byte[] bytes)
  
  Converts a byte array of ascii to hexadecimal.
byte[] hex2string (byte[] bytes)
Converts a byte array of hexadecimal values to characters.

byte getValidHex (byte b)
void printMessageToScreen (String message)
Adds a message to the adapter and updates the display.

void checkBluetoothEnabled ()
Check state of Bluetooth system service to ensure connection is still valid.

Private Attributes
final String TAG = "TerminalWindow"
final int MAX_MESSAGE_COUNT = 20
String rxMessage
Handler mHandler = new Handler()
ListView messagePane
QueueAdapter messageAdapter
ArrayList<String> messageLog
ArrayList<Character> direction
ArrayAdapter<CharSequence> inputFormatSelector
BluetoothGatt mBluetoothGatt
BLEService mService
BluetoothDevice device
BluetoothGattService TaiyoYudenService
BluetoothGattService BatteryService
BluetoothGattCharacteristic NotificationChar
BluetoothGattCharacteristic WriteChar
BluetoothGattCharacteristic IndicationChar
BluetoothGattCharacteristic batteryLevelChar
ServiceConnection mServiceConnection
View.OnClickListener menu_click_listener
PopupMenu.OnMenuItemClickListener menu_item_click_listener

Static Private Attributes
static final int REQUEST_ENABLE_BT = 1
static final String ACTION_TX_FINISHED = "com.taiyoyuden.tyapp_terminal.ACTION_TX_FINISHED"
static final String ACTION_TX_ERROR = "com.taiyoyuden.tyapp_terminal.ACTION_TX_ERROR"
static FORMAT input_format = FORMAT.Ascii
static EOL_TYPE eol_type = EOL_TYPE.None
static final UUID CCD = UUID.fromString("00002902-0000-1000-8000-00805f9b34fb")

Detailed Description
This class presents a terminal-style UI to allow users to send and receive characters via BLE to
a remote device running the Taiyo Yuden terminal firmware. Device connection and service
discovery take place on activity launch. Connection succeeds only if the device reports the
Taiyo Yuden specific service and characteristic UIDs. Users may select the input format type
using the selection box (default: Ascii) or exit the terminal and return to the device selection
screen using the 'Back' button. The activity also finishes if a GATT disconnection intent is received.
**Date**  
10/18/2016

---

**Member Function Documentation**

```java
byte [] com.taiyoyuden.tyapp_terminal.Terminal.ascii2hex (byte[] bytes)[inline], [private]
```

Converts a byte array of ascii to hexadecimal.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Returns</th>
</tr>
</thead>
<tbody>
<tr>
<td>bytes</td>
<td>byte array of ascii</td>
</tr>
</tbody>
</table>

```java
byte com.taiyoyuden.tyapp_terminal.Terminal.getValidHex (byte b)[inline], [private]
```

Checks if a character is a valid hexadecimal character.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Returns</th>
</tr>
</thead>
<tbody>
<tr>
<td>b</td>
<td>Hexadecimal value</td>
</tr>
</tbody>
</table>

```java
byte [] com.taiyoyuden.tyapp_terminal.Terminal.hex2string (byte[] bytes)[inline], [private]
```

Converts a byte array of hexadecimal values to characters.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Returns</th>
</tr>
</thead>
<tbody>
<tr>
<td>bytes</td>
<td>Byte array of hex values</td>
</tr>
</tbody>
</table>

```java
void com.taiyoyuden.tyapp_terminal.Terminal.pageInit ()[inline], [private]
```

Initialises page elements upon successful device connection

```java
void com.taiyoyuden.tyapp_terminal.Terminal.printMessageToScreen (String message)[inline], [private]
```

Adds a message to the adapter and updates the display.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Returns</th>
</tr>
</thead>
<tbody>
<tr>
<td>message</td>
<td>String to display</td>
</tr>
</tbody>
</table>
void com.taiyoyuden.tyapp_terminal.Terminal.sendMessage (String message)[inline], [private]

Handles delivery of message to connected device.

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Message to transmit</th>
</tr>
</thead>
<tbody>
<tr>
<td>message</td>
<td>Message to transmit</td>
</tr>
</tbody>
</table>

Message is converted to specified format (if non-Ascii) and transmitted to remote device using WriteChar characteristic. As BLE can only handle 20 byte data payloads, this function handles delivery of sequential packets until entire message is successfully transmitted. The selected line endings will be appended prior to transmission.

Note
This function is called on a non-UI thread to avoid blocking user interaction.

void com.taiyoyuden.tyapp_terminal.Terminal.showEOLSelect ()[inline], [private]
Show an AlertDialog to select the EOL character (None, CR, LF, CRLF)

void com.taiyoyuden.tyapp_terminal.Terminal.showFormatSelect ()[inline], [private]
Show an AlertDialog to select the data format (Ascii, Hex)

Member Data Documentation

View.OnClickListener
com.taiyoyuden.tyapp_terminal.Terminal.menu_click_listener [private]

Initial value:= new View.OnClickListener() { }
@Override
public void onClick(View view) {
    // ...
}

PopupMenu.OnMenuItemClickListener
com.taiyoyuden.tyapp_terminal.Terminal.menu_item_click_listener [private]

Initial value:= new PopupMenu.OnMenuItemClickListener() { }
@Override
public boolean onMenuItemClick(MenuItem menuItem) {
    switch (menuItem.getItemId()){
    case R.id.opt_clear:
        messageAdapter.clearMessages();
        return true;
    case R.id.opt_inputformat:
        showFormatSelect();
        return true;
    case R.id.opt_eolselect:
        showEOLSelect();
        return true;
    default:
        return false;
    }
}
ServiceConnection
com.taiyoyuden.tyapp_terminal.Terminal.mServiceConnection [private]

Interface to BLE service, registers receiver for GATT events (device connection, service discovery etc.) and requests connection to device. If connection fails the activity is terminated.

The documentation for this class was generated from the following file:
app/src/main/java/com/taiyoyuden/tyapp_terminal/Terminal.java
Note:

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