Contents

com.chatt.demo

Class Chat

```
public class Chat
extends CustomActivity
```

The Class Chat is the Activity class that holds main chat screen. It shows all the conversation messages between two users and also allows the user to send and receive messages.

-
  - o **Nested Class Summary**

Nested Classes

Modifier and Type	Class and Description
private class	**Chat.ChatAdapter**

The Class ChatAdapter is the adapter class for Chat ListView.

- **Field Detail**
  - *convList*

    ```
    private java.util.ArrayList<Conversation> convList
    ```

    The Conversation list.

  - *adp*

    ```
    private Chat.ChatAdapter adp
    ```

    The chat adapter.

  - *txt*

    ```
    private android.widget.EditText txt
    ```

    The Editext to compose the message.

  - *buddy*

    ```
    private java.lang.String buddy
    ```

    The user name of buddy.

  - *lastMsgDate*

    ```
    private java.util.Date lastMsgDate
    ```

    The date of last message in conversation.

  - *isRunning*

    ```
    private boolean isRunning
    ```

    Flag to hold if the activity is running or not.

  - *handler*

    ```
    private static android.os.Handler handler
    ```

    The handler.

- **Constructor Detail**
  - *Chat*

    ```
    public Chat()
    ```

- **Method Detail**
  - *onCreate*

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

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

  - *onResume*

    ```
    protected void onResume()
    ```
    Overrides:

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

  - *onPause*

    ```
    protected void onPause()
    ```
    Overrides:

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

  - *onClick*

    ```
    public void onClick(android.view.View v)
    ```
    Specified by:

    onClick in interface android.view.View.OnClickListener

    Overrides:

    onClick in class CustomActivity

  - *sendMessage*

    ```
    private void sendMessage()
    ```

Call this method to Send message to opponent. It does nothing if the text is empty otherwise it creates a Parse object for Chat message and send it to Parse server.

- o *loadConversationList*

  ```
  private void loadConversationList()
  ```

  Load the conversation list from Parse server and save the date of last message that will be used to load only recent new messages

- o *onOptionsItemSelected*

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

onOptionsItemSelected in class android.app.Activity

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Class ChattApp

```
public class ChattApp
extends android.app.Application
```

The Class ChattApp is the Main Application class of this app. The onCreate method of this class initializes the Parse.

- **Constructor Detail**

- *ChattApp*

  ```
  public ChattApp()
  ```

- **Method Detail**
  - *onCreate*

    ```
    public void onCreate()
    ```
    Overrides:

    `onCreate` in class `android.app.Application`

com.chatt.demo.utils

Class Const

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

The Class Const is a single common class to hold all the app Constants.

- **Field Detail**
  - *EXTRA_DATA*

    ```
    public static final java.lang.String EXTRA_DATA
    ```

    The Constant EXTRA_DATA.

    See Also:

- **Constructor Detail**
  - *Const*

    ```
    public Const()
    ```

com.chatt.demo.model

Class Conversation

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

The Class Conversation is a Java Bean class that represents a single chat conversation message.

- **Field Detail**
  - *STATUS_SENDING*

    ```
    public static final int STATUS_SENDING
    ```

    The Constant STATUS_SENDING.

    See Also:

  - *STATUS_SENT*

```
public static final int STATUS_SENT
```

The Constant STATUS_SENT.

See Also:

[Constant Field Values](#)

- o ***STATUS_FAILED***

```
public static final int STATUS_FAILED
```

The Constant STATUS_FAILED.

See Also:

[Constant Field Values](#)

- o ***msg***

```
private java.lang.String msg
```

The msg.

- o ***status***

```
private int status
```

The status.

- o ***date***

```
private java.util.Date date
```

The date.

- o ***sender***

```
private java.lang.String sender
```

The sender.

- **Constructor Detail**
  - o ***Conversation***
  - o `public Conversation(java.lang.String msg,`

o   `java.util.Date date,`
                  `java.lang.String sender)`

Instantiates a new conversation.

Parameters:

`msg` - the msg

`date` - the date

`sender` - the sender

- o ***Conversation***

  `public Conversation()`

  Instantiates a new conversation.

- **Method Detail**
  - o ***getMsg***

    `public java.lang.String getMsg()`

    Gets the msg.

    Returns:

  the msg

  - o ***setMsg***

    `public void setMsg(java.lang.String msg)`

    Sets the msg.

    Parameters:

  `msg` - the new msg

  - o ***isSent***

    `public boolean isSent()`

Checks if is sent.

Returns:

true, if is sent

- ○ *getDate*

  ```
  public java.util.Date getDate()
  ```

  Gets the date.

  Returns:

the date

- ○ *setDate*

  ```
  public void setDate(java.util.Date date)
  ```

  Sets the date.

  Parameters:

`date` - the new date

- ○ *getSender*

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

  Gets the sender.

  Returns:

the sender

- ○ *setSender*

  ```
  public void setSender(java.lang.String sender)
  ```

  Sets the sender.

  Parameters:

`sender` - the new sender

- *getStatus*

  ```
  public int getStatus()
  ```

  Gets the status.

  Returns:

the status

- *setStatus*

  ```
  public void setStatus(int status)
  ```

  Sets the status.

  Parameters:

`status` - the new status

com.chatt.demo.custom

Class CustomActivity

Direct Known Subclasses:

[Chat](), [Login](), [Register](), [UserList]()

```
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 implementing a common interface that can be used in all child activities.

- **Field Detail**
    - *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**
    - *setContentView*

        ```
        public void setContentView(int layoutResID)
        ```
        Overrides:

`setContentView` in class `android.app.Activity`

    - *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

    - *setTouchNClick*

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

Sets the touch and click listener for a view with given id.

Parameters:

`id` - the id

Returns:

the view on which listeners applied

- ○ *setClick*

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

Sets the click listener for a view with given id.

Parameters:

`id` - the id

Returns:

the view on which listener is applied

- ○ *onClick*

```
public void onClick(android.view.View v)
```
Specified by:

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

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Class Login

```
public class Login
extends CustomActivity
```

The Class Login is an Activity class that shows the login screen to users. The current implementation simply includes the options for Login and button for Register. On login button click, it sends the Login details to Parse server to verify user.

- **Field Detail**
  - *user*

    ```
    private android.widget.EditText user
    ```

    The username edittext.

  - *pwd*

    ```
    private android.widget.EditText pwd
    ```

    The password edittext.

- **Constructor Detail**
  - *Login*

    ```
    public Login()
    ```

- **Method Detail**
  - *onCreate*

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

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

  - *onClick*

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

Specified by:

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

Overrides:

onClick in class CustomActivity

- o ***onActivityResult***
- o `protected void onActivityResult(int requestCode,`
- o `                          int resultCode,`
       `                          android.content.Intent data)`
  Overrides:

`onActivityResult` in class `android.support.v4.app.FragmentActivity`

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Class Register

```
public class Register
extends CustomActivity
```

The Class Register is the Activity class that shows user registration screen that allows user to register itself on Parse server for this Chat app.

- **Field Detail**
  - o ***user***

```
private android.widget.EditText user
```

The username EditText.

o *pwd*

```
private android.widget.EditText pwd
```

The password EditText.

o *email*

```
private android.widget.EditText email
```

The email EditText.

- **Constructor Detail**
  o *Register*

  ```
  public Register()
  ```

- **Method Detail**
  o *onCreate*

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

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

  o *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 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`

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Class UserList

```
public class UserList
extends CustomActivity
```

The Class UserList is the Activity class. It shows a list of all users of this app. It also shows the Offline/Online status of users.

-
  o **Nested Class Summary**

    Nested Classes

Modifier and Type	Class and Description
private class	**UserList.UserAdapter** The Class UserAdapter is the adapter class for User ListView.

- **Field Detail**
  o *uList*

    ```
    private java.util.ArrayList<com.parse.ParseUser> uList
    ```

    The Chat list.

  o *user*

    ```
    public static com.parse.ParseUser user
    ```

    The user.

- **Constructor Detail**
  o *UserList*

```
public UserList()
```

- **Method Detail**
  - *onCreate*

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

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

  - *onDestroy*

    ```
    protected void onDestroy()
    ```
    Overrides:

    onDestroy in class android.support.v4.app.FragmentActivity

  - *onResume*

    ```
    protected void onResume()
    ```
    Overrides:

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

  - *updateUserStatus*

    ```
    private void updateUserStatus(boolean online)
    ```

    Update user status.

    Parameters:

    online - true if user is online

  - *loadUserList*

    ```
    private void loadUserList()
    ```

    Load list of users.
```

com.chatt.demo.utils

Class Utils

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

The Class Utils is a common class that hold many kind of different useful utility methods.

- **Constructor Detail**
  - *Utils*

    ```
    public Utils()
    ```

- **Method Detail**
  - *showDialog*
  - public
    ```
    static android.app.AlertDialog showDialog(android.content.Context ctx,
    ```
  - `                                    java.lang.String msg,`
  - `                                    java.lang.String btn1,`
  - `                                    java.lang.String btn2,`
  - `    android.content.DialogInterface.OnClickListener listener1,`

    `    android.content.DialogInterface.OnClickListener listener2)`

    Show dialog.

    Parameters:

`ctx` - the ctx

`msg` - the msg

`btn1` - the btn1

`btn2` - the btn2

`listener1` - the listener1

`listener2` - the listener2

Returns:

the alert dialog

- o ***showDialog***
- o ```
  public
  static android.app.AlertDialog showDialog(android.content.Context
   ctx,
  ```
- o `                                int msg,`
- o `                                int btn1,`
- o `                                int btn2,`
- o
  ```
  android.content.DialogInterface.OnClickListener listener1,

  android.content.DialogInterface.OnClickListener listener2)
  ```

Show dialog.

Parameters:

`ctx` - the ctx

`msg` - the msg

`btn1` - the btn1

`btn2` - the btn2

`listener1` - the listener1

`listener2` - the listener2

Returns:

the alert dialog

- o ***showDialog***

o   `public`
    `static android.app.AlertDialog showDialog(android.content.Context`
    ` ctx,`
o                                            `java.lang.String msg,`
o                                            `java.lang.String btn1,`
o                                            `java.lang.String btn2,`

   `android.content.DialogInterface.OnClickListener listener)`

   Show dialog.

   Parameters:

`ctx` - the ctx

`msg` - the msg

`btn1` - the btn1

`btn2` - the btn2

`listener` - the listener

   Returns:

the alert dialog

o   ***showDialog***
o   `public`
    `static android.app.AlertDialog showDialog(android.content.Context`
    ` ctx,`
o                                            `int msg,`
o                                            `int btn1,`
o                                            `int btn2,`

   `android.content.DialogInterface.OnClickListener listener)`

   Show dialog.

   Parameters:

`ctx` - the ctx

`msg` - the msg

`btn1` - the btn1

`btn2` - the btn2

`listener` - the listener

Returns:

the alert dialog

- o ***showDialog***
- o ```
  public
  static android.app.AlertDialog showDialog(android.content.Context
   ctx,
  ```
- o ```
                                       java.lang.String msg,
  ```

  ```
  android.content.DialogInterface.OnClickListener listener)
  ```

Show dialog.

Parameters:

`ctx` - the ctx

`msg` - the msg

`listener` - the listener

Returns:

the alert dialog

- o ***showDialog***
- o ```
  public
  static android.app.AlertDialog showDialog(android.content.Context
   ctx,
  ```
- o ```
                                       int msg,
  ```

  ```
  android.content.DialogInterface.OnClickListener listener)
  ```

Show dialog.

Parameters:

`ctx` - the ctx

`msg` - the msg

`listener` - the listener

Returns:

the alert dialog

- o *showDialog*
- o ```
  public
  static android.app.AlertDialog showDialog(android.content.Context
   ctx,
                                   java.lang.String msg)
  ```

Show dialog.

Parameters:

`ctx` - the ctx

`msg` - the msg

Returns:

the alert dialog

- o *showDialog*
- o ```
  public
  static android.app.AlertDialog showDialog(android.content.Context
   ctx,
                                   int msg)
  ```

Show dialog.

Parameters:

`ctx` - the ctx

`msg` - the msg

Returns:

the alert dialog

- o *showDialog*
- o ```
  public static void showDialog(android.content.Context ctx,
  ```
- o ```
                int title,
  ```
- o ```
                int msg,
  ```

```
android.content.DialogInterface.OnClickListener listener)
```

Show dialog.

Parameters:

ctx - the ctx

title - the title

msg - the msg

listener - the listener

- o ***hideKeyboard***

```
public static final void hideKeyboard(android.app.Activity ctx)
```

Hide keyboard.

Parameters:

ctx - the ctx

- o ***hideKeyboard***
- o ```
     public static final void hideKeyboard(android.app.Activity ctx,
                     android.view.View v)
  ```

Hide keyboard.

Parameters:

ctx - the ctx

v - the v