

edu.sdsmt.thompsonsamson.assignment1

Class MainActivity

java.lang.Object

Activity

edu.sdsmt.thompsonsamson.assignment1.MainActivity

```
public class MainActivity
extends Activity
```

Android application to save twitter tags and call searches. Items used: SharedPreferences, Intents, Anonymous Inner Classes, Inflating views, and layout design.

Main entry to the application. Create twitter search tags and store them in shared preferences. Allow user to edit and delete tags and to clear all tags.

[GitHub Repository](#)

Timeline:

- 9/28/2013: Initial layout design (AT)
- 10/1/2013: Program functionality (AT&SS)
- 10/2/2013: Edit layout colors and icon (AT)
- 10/3/2013: Fix layout bugs (AT)
- 10/4/2013: Finalize comments

Author:

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Field Summary

Fields

Modifier and Type	Field and Description
(package private) java.lang.String	<code>_editTag</code>
(package private) EditText	<code>_objQuery</code>
(package private) EditText	<code>_objTag</code>
(package private) SharedPreferences	<code>_savedSearches</code>
(package private) TableLayout	<code>_tagListTableLayout</code>

Constructor Summary

Constructors

Constructor and Description

`MainActivity()`

Method Summary

Methods

Modifier and Type	Method and Description
private void	<code>deleteAllTags()</code> Deletes all key/value pairs from the saved preferences and removes all the inflated views from the tagged searches.
private void	<code>deleteTag</code> (java.lang.String tag) Delete an existing tag from the saved preferences.
void	<code>editTag</code> (java.lang.String tag) Edit an existing search tag.
private void	<code>getTaggedSearches()</code> Display the tagged searches from the shared preferences.
protected void	<code>onCreate</code> (Bundle savedInstanceState) Main entry point for activity.
private void	<code>saveTag()</code> Add or updates the query and tag information to the saved preferences
private void	<code>sendCheckInputAlert()</code> Sends an alert if both the query and tag text fields are empty.
private void	<code>sendClearTagsAlert()</code> Sends an alert to the user to confirm deletion of all searches.
private void	<code>sendDeleteTagAlert</code> (java.lang.String tag) Sends an alert to the user to confirm a single tag delete.
void	<code>sendQueryIntent</code> (java.lang.String tag) Sends intent when a tag is clicked on.

Methods inherited from class java.lang.Object

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

Field Detail

`_editTag`

java.lang.String `_editTag`

`_objQuery`

```
EditText _objQuery
```

_objTag

```
EditText _objTag
```

_savedSearches

```
SharedPreferences _savedSearches
```

_tagListTableLayout

```
TableLayout _tagListTableLayout
```

Constructor Detail

MainActivity

```
public MainActivity()
```

Method Detail

deleteAllTags

```
private void deleteAllTags()
```

Deletes all key/value pairs from the saved preferences and removes all the inflated views from the tagged searches.

deleteTag

```
private void deleteTag(java.lang.String tag)
```

Delete an existing tag from the saved preferences.

Parameters:

tag - the unique tag to lookup the key/pair value

editTag

```
public void editTag(java.lang.String tag)
```

Edit an existing search tag. Sets the application variable to record which tag is being edited and fills in the query/tag text fields. The save click listener will update the tag.

Parameters:

tag - the unique tag to lookup the key/pair value

getTaggedSearches

```
private void getTaggedSearches()
```

Display the tagged searches from the shared preferences.

onCreate

```
protected void onCreate(Bundle savedInstanceState)
```

Main entry point for activity. Called when application is created. Defines activity-wide members and click listeners for save and clear buttons.

Parameters:

savedInstanceState - Bundle to record lifecycle data

saveTag

```
private void saveTag()
```

Add or updates the query and tag information to the saved preferences

sendCheckInputAlert

```
private void sendCheckInputAlert()
```

Sends an alert if both the query and tag text fields are empty.

sendClearTagsAlert

```
private void sendClearTagsAlert()
```

Sends an alert to the user to confirm deletion of all searches.

sendDeleteTagAlert

```
private void sendDeleteTagAlert(java.lang.String tag)
```

Sends an alert to the user to confirm a single tag delete.

Parameters:

tag - the unique tag to lookup the key/pair value

sendQueryIntent

```
public void sendQueryIntent(java.lang.String tag)
```

Sends intent when a tag is clicked on. URL encodes the query string and appends it onto the search URL.

Parameters:

tag - the unique tag to lookup the key/pair value

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