Parsing data between activities

November 29, 2017

Contents

1 Introduction

How to parse data between activities in android App.

2 The main activity

1. Create an intent to the other activity.

2. Use intent.putExtra(key, value) to send a value and a key to get it to the other activity.

```
// COMPLETED (2) Use the putExtra method to put the String from the
    EditText in the Intent
/*
 * We use the putExtra method of the Intent class to pass some extra
    stuff to the
 * Activity that we are starting. Generally, this data is quite
    simple, such as
 * a String or a number. However, there are ways to pass more complex
    objects.
 */
startChildActivityIntent.putExtra(Intent.EXTRA_TEXT, textEntered);
```

3 The child class

1. Use the getIntent method to store the Intent that started this Activity in a variable.

2. Use intent.putExtra(key, value) to send a value and a key to get it to the other activity.

3. Create an if statement to check if this Intent has the extra we passed from MainActivity

4. If the Intent contains the correct extra, retrieve the text.

```
1    /*
2   * Here is where all the magic happens. The getIntent method will
        give us the Intent that
3   * started this particular Activity.
4   */
5   Intent intentThatStartedThisActivity = getIntent();
6
7   /*
8   * Although there is always an Intent that starts any particular
        Activity, we can't
9   * guarantee that the extra we are looking for was passed as well.
        Because of that, we need
10  * to check to see if the Intent has the extra that we specified when
        we created the
11  * Intent that we use to start this Activity. Note that this extra
        may not be present in
12  * the Intent if this Activity was started by any other method.
13  * */
14  if (intentThatStartedThisActivity.hasExtra(Intent.EXTRA_TEXT)) {
15
16      /*
17       * Now that we've checked to make sure the extra we are looking
            for is contained within
18       * the Intent, we can extract the extra. To do that, we simply
            call the getStringExtra
19       * method on the Intent. There are various other get*Extra methods
            you can call for
20       * different types of data. Please feel free to explore those
            yourself.
21       */
22      String textEntered =
            intentThatStartedThisActivity.getStringExtra(Intent.EXTRA_TEXT);
23
24  }
```

Intent Resource