

This article is archived because it is not considered relevant for third-party developers creating commercial solutions today. The article is believed to be still valid for the original topic scope.

Contents

- [1 Store class](#)
- [2 Value class](#)
- [3 Example code](#)
- [4 Conclusion](#)

Store class

The Widgets API has a **Store** class. This class must be used when you want to store and retrieve data in the mobile phone.

The **Store** class can persist the following classes: **ByteArray**, **InputStream** and **Value**. In this post we'll only see how to persist an instance of the **Value** class.

Value class

First of all, let's understand the **Value** class.

An instance of this class can be of the following types: **boolean**, **int**, **long**, **String**, **Binary**, **Binding** (a key-value pair) and **List** (a list of instances of the **Value** class).

In our example we'll use both **Binding** and **List** types to simulate a data table, with the structure and data showed below:

name	age
Marcos	27
Fábio	26

Example code

```
//The complete table is represented with a Value instance.
Value tbUsers = [];

//The two records.
Value user1 = ["name"=>"Marcos", "age"=>27];
Value user2 = ["name"=>"Fábio", "age"=>26];

//Now, we'll add each user into the table.
tbUsers.add(user1);
tbUsers.add(user2);
```

How_to_persist_data_in_a_mobile_device_with_widgets

To get an instance of **Store** classe you must use the following code:

```
Store store = getStore();
```

Now, you can save the data into the table (*tbUsers*) using the below code:

```
store.put("tbUsers",tbUsers);
```

That's all!

If you want to retrieve all data from the table (*tbUsers*) you can use the below code:

```
Store store = getStore();
Value tableUsers = store.getValue("tbUsers");

for(int i = 0;i < tableUsers.size();i++){
    printf(tableUsers.operator_get(i).operator_get("name"));
    printf(tableUsers.operator_get(i).operator_get("age"));
}
```

Conclusion

The **Store** class is very easy to use, mainly for whom already know the *FlashLite* technology. The class **StoredObject** of the *FlashLite API* is very similiar to the **Store** class of *Widgets API*.

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