Flutter not updating DropdownButton placed within a dialog when item is selected

Asked 1 year, 5 months ago   Active 2 months ago   Viewed 3k times

2

I have an alertDialog containing a DropdownButton widget. Whenever I click on an option within the dropDown I want it to display the selected value. I have listed the code below along with 2 screenshots.
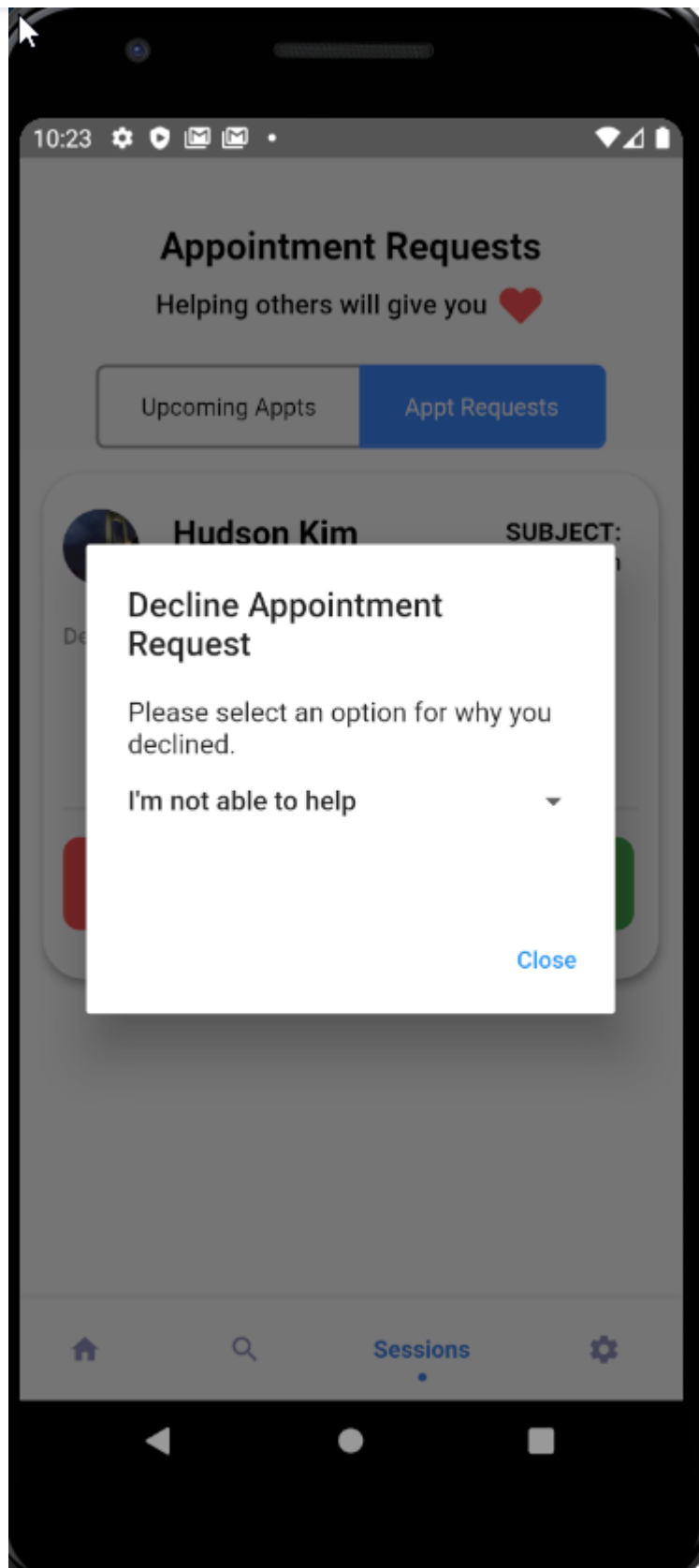
I believe this may be an issue with how flutter builds widget because when I placed the DropdownButton widget outside of the dialog it worked, however placing it within an alertDialog causes it to fail. I also noticed that if I clicked on an option in the DropdownButton and then exited and clicked on the dialog again the selected item would change. However, I want the selected value to change without the user having to tap out of the dialog and then back in.
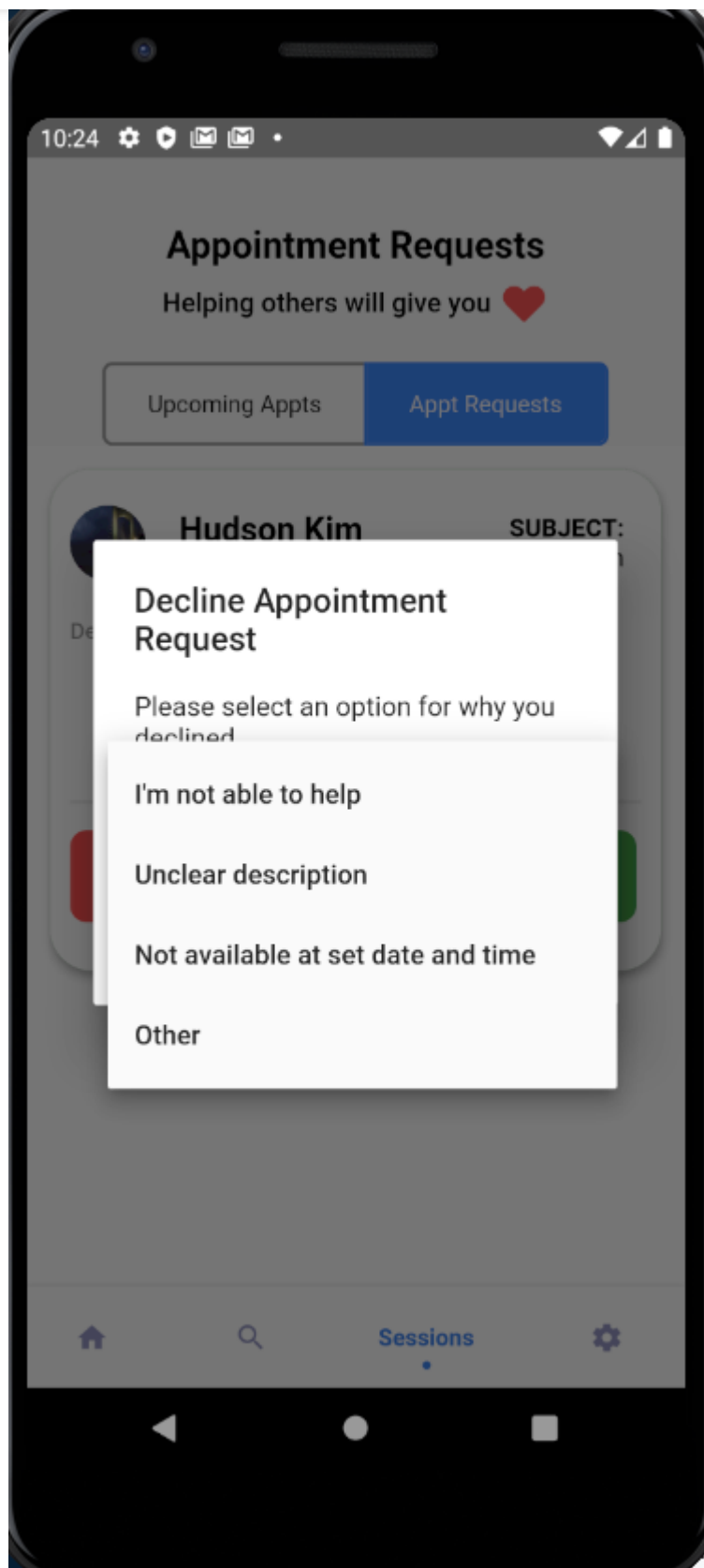
The above image is the dialog when a user first clicks on it. At first the only selected item is "I'm

^

These are the various options a user can click on within the dropdown menu. When a user clicks

Please note that I have defined _chosenValue as a global variable outside of the build function.

```
void _showDecline() {

    showDialog(
      context: context,
      builder: (BuildContext context) {

        return AlertDialog(
          title: new Text("Decline Appointment Request"),
          content: Container(
            height: 100,
            width: 200,
            child: Column(
              children: <Widget>[
                new Text("Please select an option for why you declined."),
                new DropdownButton<String>(
                  value: _chosenValue,
                  underline: Container(),
                  items: <String>['I\'m not able to help', 'Unclear description',
 'Not available at set date and time', 'Other'].map((String value) {
                    return new DropdownMenuItem<String>(
                      value: value,
                      child: new Text(value, style: TextStyle(fontWeight:
 FontWeight.w500),),
                    );
                  }).toList(),
                   onChanged: (String value) {
                    setState(() {
                      _chosenValue = value;
                    });
                  },
                )
              ],
            ),
          ),
          actions: <Widget>[
            // usually buttons at the bottom of the dialog
            new FlatButton(
              child: new Text("Close"),
              onPressed: () {},
            },
            ),

          ],
        );
      },
    );
  }
```

flutter

Share Improve this question Follow

1   Does this answer your question? [How to refresh an AlertDialog in Flutter?](#) – nvoigt Jul 21 '20 at 5:48

No, I have a setState() operation in my code already and the dialog is also placed within a stateful widget.
– Hudson Kim Jul 21 '20 at 6:24 ✏

So you tried it and it did not work? Post your best try using that link and we will see what's wrong. – nvoigt
Jul 21 '20 at 6:35

The answers below all worked. – Hudson Kim Jul 21 '20 at 17:40

Well, big surpise, they all tell you the same that my link 12 hours ago told you. – nvoigt Jul 21 '20 at 18:02

4 Answers

Active	Oldest	Votes

▲

8

▼

setState will only update current StatefulWidget's Widget Build function.

You should use StatefulBuilder inside showDialog.

✓

For your case just add StatefulBuilder as a parent of your DropDown widget, and use StateSetter
when you want to update the StatefulBuilder's children. It will only update the widget tree defined
under StateFulBuilder builder function.

🕑

See the full code including **stateFulBuilder** at DartPad code [StateFulBuilderDartPad](#).

For more information on StatefulBuilder head over to [StateFulBuilder](#) documentation page.

Share Improve this answer Follow   edited Jul 22 '20 at 8:19   answered Jul 21 '20 at 6:34
                                                                    Darshan Rathod
                                                                    471 ● 3 ● 12

Is there a reason why you wrote your own answer, instead of voting for the duplicate? – nvoigt Jul 21 '20 at
18:03

I didn't get that duplicate question you mention in comment ,so i write my answer – Darshan Rathod Jul 22
'20 at 8:23 ✏

i tried to explain the things, instead of just giving the code only.... – Darshan Rathod Dec 31 '20 at 11:57

▲

8

▼

```
import 'dart:convert';

import 'package:flutter/material.dart';

void main() => runApp(MyApp());
```

Join Stack Overflow to learn, share knowledge, and build your career.   Sign up   ✕

```dart
    }
  }

class HomePage extends StatefulWidget {
  @override
  _HomePageState createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  String _chosenValue;

  void _showDecline() {
    showDialog(
      context: context,
      builder: (BuildContext context) {
        return StatefulBuilder(
          builder: (BuildContext context, StateSetter setState) {
            return AlertDialog(
              title: new Text("Decline Appointment Request"),
              content:
                  Column(mainAxisSize: MainAxisSize.min, children: <Widget>[
                new Text("Please select an option for why you declined."),
                SingleChildScrollView(
                    scrollDirection: Axis.horizontal,
                    child: new DropdownButton<String>(
                      hint: Text('Select one option'),
                      value: _chosenValue,
                      underline: Container(),
                      items: <String>[
                        'I\'m not able to help',
                        'Unclear description',
                        'Not available at set date and time',
                        'Other'
                      ].map((String value) {
                        return new DropdownMenuItem<String>(
                          value: value,
                          child: new Text(
                            value,
                            style: TextStyle(fontWeight: FontWeight.w500),
                          ),
                        );
                      }).toList(),
                      onChanged: (String value) {
                        setState(() {
                          _chosenValue = value;
                        });
                      },
                    )),
              ]),
              actions: <Widget>[
                // usually buttons at the bottom of the dialog
                new FlatButton(
                  child: new Text("Close"),
                  onPressed: () {
                    Navigator.of(context).pop();
                  },
                ),
              ],
```

```
        );
      }

      @override
      Widget build(BuildContext context) {
        return Scaffold(
          body: SafeArea(
            child: Container(
              child: FlatButton(child: Text('Click'), onPressed: _showDecline),
            ),
          ),
        );
      }
    }
```

Share Improve this answer Follow

answered Jul 21 '20 at 7:59

shilpa navale
189 ● 7 ● 15

above my answer i solved error RIGHT OVERFLOWED BY 68 PIXELS . – shilpa navale Jul 21 '20 at 8:01

Is there a reason why you wrote your own answer, instead of voting for the duplicate? – nvoigt Jul 21 '20 at 18:02

▲

3

▼

↺

Just check out the below example you have to use the statefulBuilder to change the state.

```
import 'dart:convert';

import 'package:flutter/material.dart';

void main() => runApp(MyApp());

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(home: HomePage());
  }
}

class HomePage extends StatefulWidget {
  @override
  _HomePageState createState() => _HomePageState();
}

class _HomePageState extends State<HomePage> {
  String _chosenValue;

  void _showDecline() {
    showDialog(
      context: context,
      builder: (BuildContext context) {
        return StatefulBuilder(
```

Join Stack Overflow to learn, share knowledge, and build your career.

Sign up   ✕

```dart
              content: Container(
                height: 100,
                width: 200,
                child: Column(
                  children: <Widget>[
                    new Text("Please select an option for why you declined."),
                    new DropdownButton<String>(
                      hint: Text('Select one option'),
                      value: _chosenValue,
                      underline: Container(),
                      items: <String>[
                        'I\'m not able to help',
                        'Unclear description',
                        'Not available at set date and time',
                        'Other'
                      ].map((String value) {
                        return new DropdownMenuItem<String>(
                          value: value,
                          child: new Text(
                            value,
                            style: TextStyle(fontWeight: FontWeight.w500),
                          ),
                        );
                      }).toList(),
                      onChanged: (String value) {
                        setState(() {
                          _chosenValue = value;
                        });
                      },
                    )
                  ],
                ),
              ),
              actions: <Widget>[
                // usually buttons at the bottom of the dialog
                new FlatButton(
                  child: new Text("Close"),
                  onPressed: () {
                    Navigator.of(context).pop();
                  },
                ),
              ],
            );
          },
        );
      },
    );
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: SafeArea(
        child: Container(
          child: FlatButton(child: Text('Click'), onPressed: _showDecline),
        ),
      ),
```

Just let me know if it works.

Share Improve this answer Follow

Is there a reason why you wrote your own answer, instead of voting for the duplicate? – nvoigt Jul 21 '20 at 6:32

0

```
onTap: () {
        ///_____
        // Get.defaultDialog(
        //    title: " وضعیت دزدگیر",
        //    middleText: "پیام اعلام وضعیت دزدگیر ارسال گردد؟",
        //    titleStyle: TextStyle(
        //        color: mainColor2, fontWeight: FontWeight.bold, fontSize: 16),
        //    middleTextStyle:
        //    TextStyle(color: mainColor6.withOpacity(0.9), fontSize: 15),
        // );
        ///--------------------------------------------------------------------
        // showDialog(
        //      context: context,
        //      builder: (context) => AlertDialog(
        //          content: Column(
        //            children: <Widget>[
        //              TextField(
        //                decoration: InputDecoration(
        //                  icon: Icon(Icons.account_circle),
        //                  labelText: 'Username',
        //                ),
        //              ),
        //              TextField(
        //                obscureText: true,
        //                decoration: InputDecoration(
        //                  icon: Icon(Icons.lock),
        //                  labelText: 'Password',
        //                ),
        //              ),
        //            ],
        //          ),
        //      ),
        // );
        ///_____
        List<DropdownMenuItem<String>> listDrop = [];
        String selected=null;
        void loadData() {
          listDrop.add(new DropdownMenuItem(
            child: new Text("پایدار"),
            value:"555",
```

Join Stack Overflow to learn, share knowledge, and build your career.

Sign up   ✕

```
                    child: new Text("لحظه ای"),
                    value:"444",
                 ),
              );
           }
           loadData();

           Alert(
             context: context,
             title: "تنظیمات خروجی شماره ۱",
             // desc: ".",
             // image: Image.asset(
             //   "assets/settings.png",
             //   scale: 5,
             // ),
             content: Directionality(
               textDirection: TextDirection.rtl,
               child: Center(
                 child: Column(
                   children: <Widget>[
                     SizedBox(height: 20.0),
                     TextField(
                       keyboardType: TextInputType.text,
                       controller: _codeShargController,
                       decoration: InputDecoration(
                         labelText: 'نام خروجی',
                         hintText: '${out1.read('codeShargController')}',
                       ),
                     ),
                     SizedBox(height: 25.0),
                     Center(


                       child: DropdownButton(
                         underline: Container(
                           height: 1.5,
                           color: Colors.black26,
                         ),
                         hint: Text("وضعیت عملکرد"),
                         items: listDrop,
                         isExpanded: true,
                         value: selected,
                         style: TextStyle(color: Colors.black, fontSize: 16),
                         onChanged: (newValue)  {
                           selected = newValue;
                          // setState(() {});
                           setState(() { selected = newValue; });

                         },
                       ),




                     ),
                     SizedBox(height: 25.0),
                   ],
                 \
```

```
//    children: <Widget>[
//
//      SizedBox(height: 10.0),
//
//      TextField(
//
//        decoration: InputDecoration(
//
//          icon: Icon(Icons.account_circle),
//          labelText: 'Username',
//        ),
//      ),
//      SizedBox(height: 10.0),
//
//      TextField(
//        obscureText: true,
//        decoration: InputDecoration(
//          icon: Icon(Icons.lock),
//          labelText: 'Password',
//        ),
//      ),
//    ],
// ),
    buttons: [
      DialogButton(
        onPressed: () {
          out1.write(
            "codeShargController", _codeShargController.text);

          Navigator.pop(context);
        },
        child: Text(
          "ثبت",
          style: TextStyle(color: Colors.white, fontSize: 20),
        ),
      )
    ]).show();

///_____
```

Share   Improve this answer   Follow

Join Stack Overflow to learn, share knowledge, and build your career.   Sign up   ✕