

MAD PWA Lab 4

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Aim: To create interactive Form using form widget

Theory:

- The Form widget in Flutter is a container for grouping and validating multiple form-related widgets.

2. Usage:

- Wrap your form elements, such as text fields, checkboxes, and buttons, within the Form widget.

3. Key Properties:

- key: Assign a unique key to the Form to identify and manipulate it, if necessary.

TextFormField:

1. Definition:

- TextFormField is a form field that takes care of the most common use case of a single-line text input.

2. Usage:

- Embed TextFormField widgets within the Form to collect text input.

3. Properties:

- controller: Use a TextEditingController to control and manipulate the text entered.
- validator: Implement a function to validate the input based on specific criteria.

Form Validation:

1. Form Validation:

- Utilize the validator property in TextFormField or other form fields to perform validation.
- The validator function should return an error message if validation fails or null if it succeeds.

2. Form Submission:

- Use a FormState object to handle form submission.
- Typically, this involves calling a function when the user presses a submit button.

Form Submission:

1. Submit Button:

- Create a button (e.g., ElevatedButton) that triggers the form submission.
- Wrap the submission logic in a function (e.g., _submitForm).

2. Submission Logic:

- Inside the submission function, access the form data using controllers or the FormState.
- Perform any necessary actions, such as sending data to a server or updating the UI.

CODE:

```
class RegisterScreen extends StatelessWidget {
  void _navigateToLoginScreen(BuildContext context) {
    Navigator.of(context).pushReplacement(
      MaterialPageRoute(
        builder: (context) => LoginScreen(),
      ),
    );
  }
}
```

```
@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Padding(
      padding: const EdgeInsets.only(top: 50.0),
      child: Stack(
        children: [
          Column(
```

```

mainAxisAlignment: MainAxisAlignment.start,
crossAxisAlignment: CrossAxisAlignment.start,
children: [
  Stack(
    children: [
      Container(
        color: Colors.blueAccent,
        height: 40.0,
        width: double.infinity,
        margin: const EdgeInsets.only(top: 50.0),
      ),
      Positioned(
        left: 150.0,
        top: 50.0 + (30.0 - 16.0) / 2,
        child: Text(
          "FlipKart",
          style: TextStyle(
            color: Colors.white,
            fontSize: 16.0,
            fontWeight: FontWeight.bold,
          ),
        ),
      ),
      SizedBox(
        width: 8.0), // Add some space between text and image
      Positioned(
        top: 53.0,
        left: 215.0,
        child: Image.asset(
          'assets/flipkartlogo.jpg', // Replace with your image path
          height: 30.0,
          width: 30.0,

          // color: Colors.white,
        ),
      ),
    ],
  ),
  Padding(
    padding: const EdgeInsets.only(left: 10.0, top: 15.0),
    child: Text(
      "Register for the best experience",
      style: TextStyle(
        color: Colors.black,

```

```

        fontSize: 20.0,
        fontWeight: FontWeight.bold,
      ),
    ),
  ),
  Padding(
    padding: const EdgeInsets.only(left: 10.0, top: 1.0),
    child: Text(
      "Enter your phone number to continue",
      style: TextStyle(
        color: Colors.grey,
        fontSize: 14.0,
      ),
    ),
  ),
  ),
  Padding(
    padding:
      const EdgeInsets.only(left: 20.0, top: 30.0, right: 20.0),
    child: Container(
      decoration: BoxDecoration(
        border: Border.all(color: Colors.blueAccent),
        borderRadius: BorderRadius.circular(8.0),
      ),
      child: TextField(
        decoration: InputDecoration(
          hintText: 'Mobile Number',
          hintStyle: TextStyle(color: Colors.grey),
          border: InputBorder.none,
          contentPadding: EdgeInsets.all(15.0),
        ),
      ),
    ),
  ),
  ),
  ),
  Padding(
    padding: const EdgeInsets.only(left: 260.0, top: 5),
    child: Text(
      "Use Email-ID",
      style: TextStyle(
        color: Colors.blue[800],
        fontSize: 15.0,
        fontWeight: FontWeight.bold,
      ),
    ),
  ),
),

```

```

Padding(
  padding:
    const EdgeInsets.only(left: 20.0, top: 30.0, right: 20.0),
  child: Container(
    decoration: BoxDecoration(
      border: Border.all(color: Colors.blueAccent),
      borderRadius: BorderRadius.circular(8.0),
    ),
    child: TextField(
      decoration: InputDecoration(
        hintText: 'First Name',
        hintStyle: TextStyle(color: Colors.grey),
        border: InputBorder.none,
        contentPadding: EdgeInsets.all(15.0),
      ),
    ),
  ),
),
Padding(
  padding:
    const EdgeInsets.only(left: 20.0, top: 10.0, right: 20.0),
  child: Container(
    decoration: BoxDecoration(
      border: Border.all(color: Colors.blueAccent),
      borderRadius: BorderRadius.circular(8.0),
    ),
    child: TextField(
      decoration: InputDecoration(
        hintText: 'Last Name',
        hintStyle: TextStyle(color: Colors.grey),
        border: InputBorder.none,
        contentPadding: EdgeInsets.all(15.0),
      ),
    ),
  ),
),
Padding(
  padding:
    const EdgeInsets.only(left: 20.0, top: 10.0, right: 20.0),
  child: Container(
    decoration: BoxDecoration(
      border: Border.all(color: Colors.blueAccent),
      borderRadius: BorderRadius.circular(8.0),
    ),

```

```

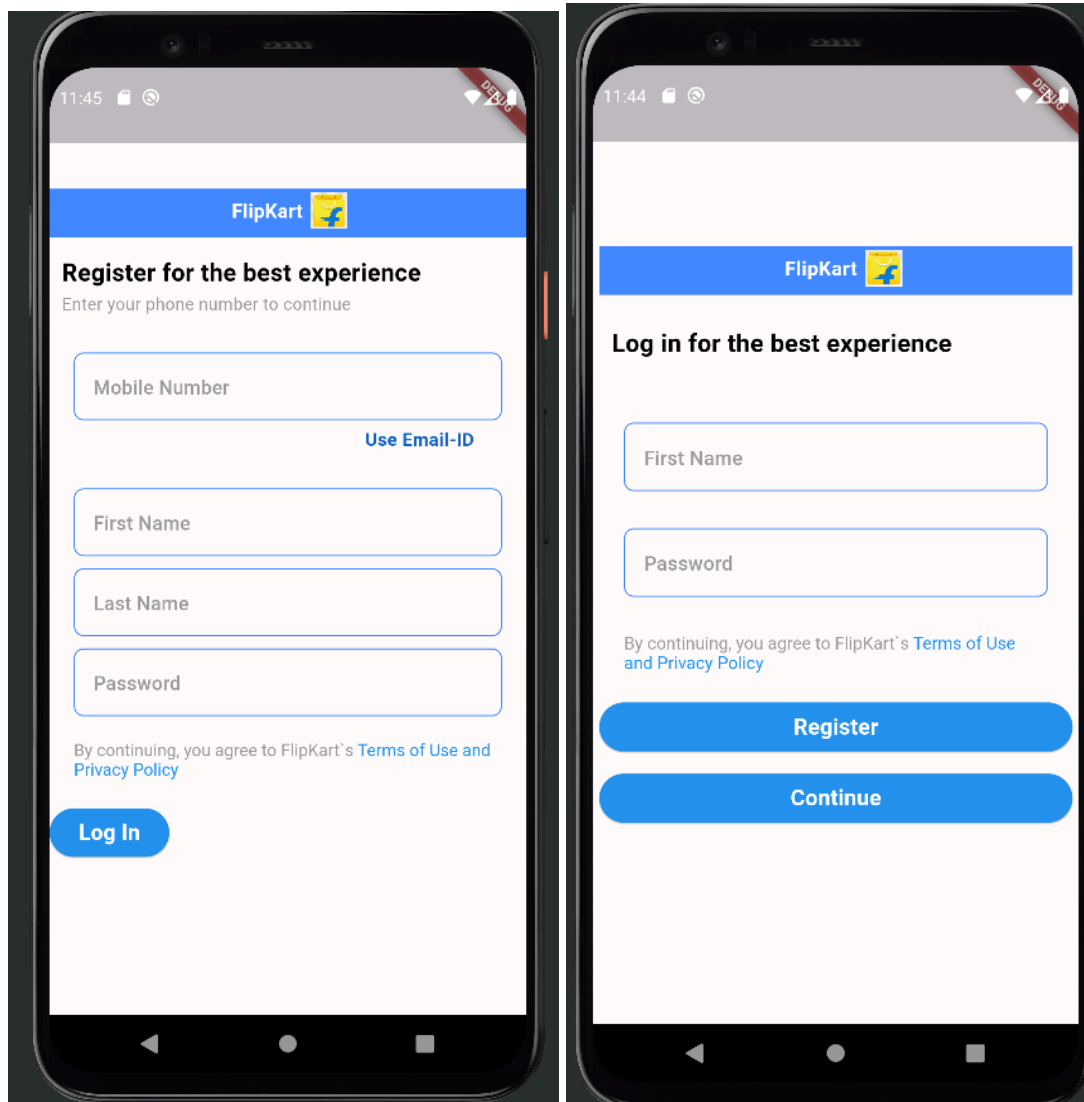
child: TextField(
  decoration: InputDecoration(
    hintText: 'Password',
    hintStyle: TextStyle(color: Colors.grey),
    border: InputBorder.none,
    contentPadding: EdgeInsets.all(15.0),
  ),
),
),
),
),
Padding(
  padding:
    const EdgeInsets.only(left: 20.0, top: 20.0, right: 20.0),
  child: RichText(
    text: TextSpan(
      text: 'By continuing, you agree to FlipKart`s ',
      style: TextStyle(color: Colors.grey),
      children: [
        TextSpan(
          text: 'Terms of Use and Privacy Policy',
          style: TextStyle(color: Colors.blue),
        ),
      ],
    ),
  ),
),
),
),
Padding(
  padding: const EdgeInsets.only(top: 20.0),
  child: ElevatedButton(
    onPressed: () => _navigateToLoginScreen(context),
    style: ElevatedButton.styleFrom(
      primary: Colors.blue, // Set the button color here
    ),
    child: Text(
      'Log In',
      style: TextStyle(
        color: Colors.white,
        fontSize: 18.0,
        fontWeight: FontWeight.bold,
      ),
    ),
  ),
),
),
),
],

```

```

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

```



CONCLUSION:

Thus we created interactive Form using form widget