**Week 11:**

Create an application to implement flutter calendar.

# Date Picker in Flutter

**DatePicker** is a material widget in a flutter that lets the user selects a date. Since there is no widget available for creating a date picker we will use showDatePicker() function.

It will display a Material Design date picker in a dialog by calling flutter’s inbuilt function.

A date picker is a helpful addition to your UI that makes it easy for your app users to select dates from a calendar.

**Add package**

### **Install the package:**

Add ***intl*** package to the ***pubspec.yaml***file:

|  |
| --- |
| dependencies:    flutter:      sdk: flutter    intl: ^0.17.0 |

Then configure it using pub get. You can also install the package from the command line by running the following command:

flutter pub add intl

**main.dart**

import 'package:flutter/material.dart';

import 'package:intl/intl.dart';

**void main()**

{

runApp(MyApp());

}

**class MyApp extends StatelessWidget**

{

@override

Widget build(BuildContext context)

{

return MaterialApp(

title: "Date Picker",

home: HomePage(),

);

}

}

**class HomePage extends StatefulWidget**

{

@override

State<StatefulWidget> createState()

{

return \_HomePage();

}

}

**class \_HomePage extends State<HomePage>**

{

TextEditingController dateInput = TextEditingController();

@override

void initState()

{

dateInput.text = ""; //set the initial value of text field

super.initState();

}

@override

Widget build(BuildContext context)

{

return Scaffold(

appBar: AppBar(

title: Text("DatePicker in Flutter"),

backgroundColor: Colors.redAccent, //background color of app bar

),

body: Container(

padding: EdgeInsets.all(15),

height: MediaQuery.of(context).size.width / 3,

child: Center(

child: TextField(

controller: dateInput,

//editing controller of this TextField

decoration: InputDecoration(

icon: Icon(Icons.calendar\_today), //icon of text field

labelText: "Enter Date" //label text of field

),

readOnly: true,

//set it true, so that user will not able to edit text

onTap: () async {

DateTime? pickedDate = await showDatePicker(

context: context,

initialDate: DateTime.now(),

firstDate: DateTime(1950),

//DateTime.now() - not to allow to choose before today.

lastDate: DateTime(2100));

if (pickedDate != null) {

print(

pickedDate); //pickedDate output format => 2021-03-10 00:00:00.000

String formattedDate =

DateFormat('yyyy-MM-dd').format(pickedDate);

print(

formattedDate); //formatted date output using intl package => 2021-03-16

setState(() {

dateInput.text =

formattedDate; //set output date to TextField value.

});

} else {}

},

))));

}

}

**OUTPUT:**





