Flutter 调用原生硬件 Api 实现照相机拍照和相册选择 以及拍照上传到服务器

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一、Flutter image_picker 实现相机拍照和相册选择

https://pub.dev/packages/image_picker

```
/*拍照*/
_takePhoto() async {
  var image = await ImagePicker.pickImage(source: ImageSource.camera);
  setState(() {
    _imgPath = image;
  });
}

/*相册*/
_openGallery() async {
  var image = await ImagePicker.pickImage(source: ImageSource.gallery);
  setState(() {
    _imgPath = image;
  });
}
```

二、Flutter 上传图片到服务器

https://pub.dev/packages/dio

上传图片代码

```
_uploadData(imageFile) async{

    FormData formData = new FormData.from({
        "name": "wendux",
        "age": 25,
        'file': new UploadFileInfo(imageFile, "imageFileName.jpg")
      });
    var response = await Dio().post("http://jd.itying.com/imgupload", data: formData);
    print(response);
  }
```

完整代码：

```
import 'package:flutter/material.dart';
import 'package:image_picker/image_picker.dart';
import 'package:dio/dio.dart';

class ImagePickerPage extends StatefulWidget {
  @override
  State<StatefulWidget> createState() {
    return _ImagePickerState();
  }
}

class _ImagePickerState extends State<ImagePickerPage> {
  var _imgPath;
```

```
@override
Widget build(BuildContext context) {
  return Scaffold(
      appBar: AppBar(
        title: Text("ImagePicker"),
      ),
      body: SingleChildScrollView(
        child: Column(

          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            _ImageView(_imgPath),
            RaisedButton(
              onPressed: _takePhoto,
              child: Text("拍照"),
            ),
            RaisedButton(
              onPressed: _openGallery,
              child: Text("选择照片"),
            ),
          ],
        ),
      ));
}

/*图片控件*/
Widget _ImageView(imgPath) {
  if (imgPath == null) {
    return Center(
      child: Text("请选择图片或拍照"),
    );
  } else {
    return Image.file(
      imgPath,
    );
  }
}


/*拍照*/
_takePhoto() async {
  var image = await ImagePicker.pickImage(source: ImageSource.camera,maxWidth: 400);
```

```
      _uploadData(image);    //上传

      setState(() {
         _imgPath = image;
      });
   }


   /*相册*/
   _openGallery() async {
      var image = await ImagePicker.pickImage(source: ImageSource.gallery);
      setState(() {
         _imgPath = image;
      });
   }


   _uploadData(imageFile) async{

      FormData formData = new FormData.from({
          "name": "wendux",
          "age": 25,
          'file': new UploadFileInfo(imageFile, "imageFileName.jpg")
        });
      var response = await Dio().post("http://jd.itying.com/imgupload", data: formData);
      print(response);
   }
}
```