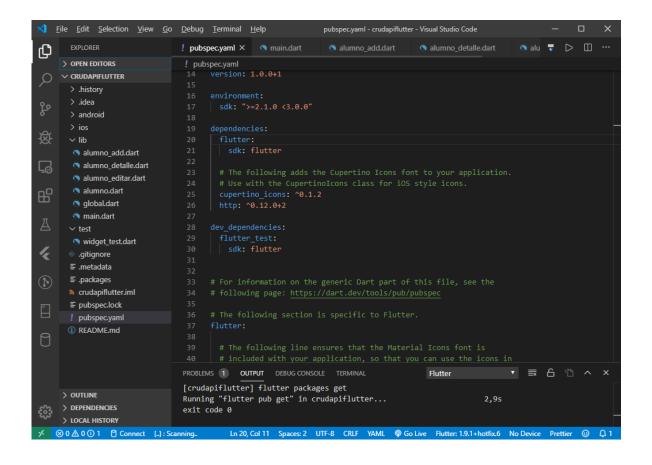https://pub.dev/packages/http#-installing-tab-

http 0.12.0+2

```
dependencies:
  http: ^0.12.0+2
```

flutter create crudapiflutter

/lib/main.dart

```dart
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;
import 'dart:convert';

import 'alumno_add.dart';
import 'alumno_detalle.dart';
import 'global.dart';


void main() {
  runApp(
    new MaterialApp(title: 'Alumnos App', home: Home()),
  );
}
```

```dart
class Home extends StatefulWidget {
  @override
  _HomeState createState() => _HomeState();
}

class _HomeState extends State<Home> {

  Future<List> obtenerAlumnos() async {
    final response = await http.get('$URL_ALUMNOS');
    return json.decode(response.body);
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text('Lista de Alumnos'),
      ),
      floatingActionButton: FloatingActionButton(
        child: Icon(Icons.person_add),
        onPressed: () => Navigator.of(context).push(MaterialPageRoute(
```

```dart
              builder: (BuildContext context) {
                return AlumnoAdd();
              },
            )),
        ),
        body: FutureBuilder<List>(
          future: obtenerAlumnos(),
          builder: (context, snapshot) {
            if (snapshot.hasError) print(snapshot.error);
            return snapshot.hasData
                ? AlumnosLista(alumnos: snapshot.data)
                : Center(
                    child: CircularProgressIndicator(),
                  );
          },
        ),
    );
  }
}




class AlumnosLista extends StatelessWidget {
  final List alumnos;
  AlumnosLista({this.alumnos});

  @override
  Widget build(BuildContext context) {
    return ListView.builder(
      itemCount: alumnos == null ? 0 : alumnos.length,
      itemBuilder: (context, i) {
        return Padding(
          padding: const EdgeInsets.all(10.0),
          child: GestureDetector(
            child: Card(
              child: ListTile(
                title: Text(alumnos[i]["nombres"]),
                leading: Icon(Icons.person),
```

```
                subtitle: Text("Id: ${alumnos[i]['id']}"),
              ),
            ),
            onTap: () => Navigator.of(context).push(
                MaterialPageRoute(
                    builder: (BuildContext context) => AlumnoDetalle(
                        alumnos: alumnos,
                        index: i,
                    ),
                ),
            ),
        ),
      );
    },
  );
 }
}
```

/lib/alumno_add.dart

```
const SERVER_NAME = "192.168.0.38";
const URL_ALUMNOS = "http://$SERVER_NAME:3000/api-cognos/alumnos";
```

/lib/global.dart

```
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;

import 'global.dart';

class AlumnoAdd extends StatefulWidget {
```

```dart
  @override
  _AlumnoAddState createState() => _AlumnoAddState();
}

class _AlumnoAddState extends State<AlumnoAdd> {

  TextEditingController controllerID = new TextEditingController();
  TextEditingController controllerNombres = new TextEditingController();
  TextEditingController controllerApellidos = new TextEditingController();
  TextEditingController controllerDocIdentidad = new TextEditingController();

  addAlumno() {
    var url = '$URL_ALUMNOS';
    http.post(url, body: {
      "id": controllerID.text,
      "nombres": controllerNombres.text,
      "apellidos": controllerApellidos.text,
      "doc_identidad": controllerDocIdentidad.text
    });
  }




  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Registrar Alumno"),
      ),
      body: Padding(
        padding: const EdgeInsets.all(20.0),
        child: ListView(
          children: <Widget>[
            Column(
              children: <Widget>[
                TextField(
                    decoration: InputDecoration(
                        hintText: "ID", labelText: "ID"),
                        controller: controllerID,
```

```
          ),
          TextField(
            decoration: InputDecoration(
                hintText: "Nombres", labelText: "Nombres"),
                controller: controllerNombres,
          ),
          TextField(
            decoration: InputDecoration(
                hintText: "Apellidos", labelText: "Apellidos"),
                controller: controllerApellidos,
          ),
          TextField(
            decoration: InputDecoration(
                hintText: "Doc Identidad", labelText: "Doc Identidad"),
                controller: controllerDocIdentidad,
          ),
          Padding(
            padding: const EdgeInsets.all(10.0),
          ),
          RaisedButton(
            child: Text("Registrar"),
            onPressed: () {
              addAlumno();
              Navigator.pop(context);
            },
          )
        ],
      ),
    ],
    ),
    ),
  );
 }
}
```

/lib/alumno_detalle.dart

```dart
import 'dart:convert';
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;
import 'alumno_editar.dart';
import 'global.dart';

class AlumnoDetalle extends StatefulWidget {
  final List alumnos;
  final int index;

  AlumnoDetalle({this.alumnos, this.index});

  @override
  _AlumnoDetalleState createState() => _AlumnoDetalleState();
}
```

```dart
class _AlumnoDetalleState extends State<AlumnoDetalle> {

  String _docIdentidad;

  Future<String> obtenerAlumno() async {
    fi-
nal response = await http.get('$URL_ALUMNOS/${widget.alumnos[widget.index]["id"]}')
;
    Map<String, dynamic> alumno = jsonDecode(response.body);
    this.setState((){
      _docIdentidad = alumno['doc_identidad'];
      // print('${alumno['id']}');
    });
    return 'OK';
  }

  eliminarAlumno() {
    var url = '$URL_ALUMNOS/${widget.alumnos[widget.index]["id"]}';
    http.delete(url);
  }



  @override
  void initState() {
    super.initState();
    this.obtenerAlumno();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        title: Text("Alumno: ${widget.alumnos[widget.index]["nombres"]}"),
      ),
      body: Container(
        height: 250.0,
        padding: const EdgeInsets.all(20.0),
        child: Card(
          child: Center(
```

```dart
        child: Column(
          children: <Widget>[
            Padding(
              padding: const EdgeInsets.only(top: 30.0),
            ),
            Text(
              "Id: ${widget.alumnos[widget.index]["id"]}",
              style: TextStyle(fontSize: 18.0),
            ),
            Text(
              "Nombres: ${widget.alumnos[widget.index]["nombres"]}",
              style: TextStyle(fontSize: 18.0),
            ),
            Text(
              "Apellidos: ${widget.alumnos[widget.index]["apellidos"]}",
              style: TextStyle(fontSize: 18.0),
            ),
            Text(
              "Doc Identidad: $_docIdentidad",
              style: TextStyle(fontSize: 18.0),
            ),
            Padding(
              padding: const EdgeInsets.only(top: 30.0),
            ),
            Row(
              mainAxisAlignment: MainAxisAlignment.spaceEvenly,
              children: <Widget>[
                RaisedButton(
                  child: Text("Editar"),
                  onPressed: () {
                    return Navigator.of(context).push(MaterialPageRoute(
                        builder: (BuildContext context) => AlumnoEditar(
                              alumnos: widget.alumnos,
                              index: widget.index,
                            ))).then((value){
                              obtenerAlumno();
                            });
                  },
                ),
                RaisedButton(
                  child: Text(
                    "Eliminar",
                    style: TextStyle(color: Colors.white),
```

```
                    ),
                    color: Colors.red,
                    onPressed: () {
                      eliminarAlumno();
                      Navigator.pop(context);
                    },
                  )
                ],
              )
            ],
          ),
        ),
      ),
    ),
  );
  }
}
```

/lib/alumno_editar.dart

```
import 'package:flutter/material.dart';
import 'package:http/http.dart' as http;
import 'global.dart';

class AlumnoEditar extends StatefulWidget {
  final List alumnos;
  final int index;

  AlumnoEditar({this.alumnos, this.index});

  @override
  _AlumnoEditarState createState() => _AlumnoEditarState();
}
```

```dart
class _AlumnoEditarState extends State<AlumnoEditar> {

  TextEditingController controllerNombres;
  TextEditingController controllerApellidos;
  TextEditingController controllerDocIdentidad;

  editarAlumno() {
    var url = '$URL_ALUMNOS/${widget.alumnos[widget.index]["id"]}';
    http.put(url, body: {
      "id": widget.alumnos[widget.index]["id"],
      "nombres": controllerNombres.text,
      "apellidos": controllerApellidos.text,
      "doc_identidad": controllerDocIdentidad.text
    });
  }

  @override
  void initState() {
    controllerNombres =
        TextEditingController(
          text: widget.alumnos[widget.index]["nombres"].toString());
    controllerApellidos =
        TextEditingController(
          text: widget.alumnos[widget.index]["apellidos"].toString());
    controllerDocIdentidad =
        TextEditingController(
          text: widget.alumnos[widget.index]["doc_identidad"].toString());
    super.initState();
  }
```

```dart
@override
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text("Editar Alumno"),
    ),
    body: Padding(
      padding: const EdgeInsets.all(20.0),
      child: ListView(
        children: <Widget>[
          Column(
            children: <Widget>[
              Text(
                "Id: ${widget.alumnos[widget.index]["id"]}",
                style: TextStyle(fontSize: 18.0),
              ),
```

```dart
                TextField(
                  decoration: InputDecoration(
                      hintText: "Nombres", labelText: "Nombres"),
                  controller: controllerNombres,
                ),
                TextField(
                  decoration: InputDecoration(
                      hintText: "Apellidos", labelText: "Apellidos"),
                  controller: controllerApellidos,
                ),
                TextField(
                  decoration: InputDecoration(
                      hintText: "Doc Identidad", labelText: "Doc Identidad"),
                  controller: controllerDocIdentidad,
                ),
                Padding(
                  padding: const EdgeInsets.all(10.0),
                ),
                RaisedButton(
                  child: Text("Actualizar"),
                  onPressed: () {
                    editarAlumno();
                    Navigator.pop(context);
                  },
                )
              ],
            ),
          ],
        ),
      ),
    );
  }
}
```

/lib/alumno.dart

```dart
class Alumno {
  final String id;
  final String nombres;
  final String apellidos;
  final String doc_identidad;

  Alumno(this.id, this.nombres,this.apellidos,this.doc_identidad);

  Alumno.fromJson(Map<String, dynamic> json)
      : id = json['id'],
        nombres = json['nombres'],
        apellidos = json['apellido'],
        doc_identidad = json['doc_identidad'];

  Map<String, dynamic> toJson() => {
```

```
      'id': id,
      'nombres': nombres,
      'apellidos': apellidos,
      'doc_identidad': doc_identidad
  };
}
```