GDSC KU Flutter Junior Session

Week2- flutter 개발 시작하기

GDSC Mobile Core 이유림

tel. 010-8248-6757

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Developer Student Clubs

구조

- lib/theme/[자기이름폴더] 에서 진행

Navigation을 위한 기본 페이지.

각각의 페이지.

시작 위치. 기능 없음.

구조

- 고유번호

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main.dart

```dart
import 'package:flutter/material.dart';
import 'theme/basic/basic_app.dart';

void main() {
  runApp(const MainApp());
}

class MainApp extends StatelessWidget {
  const MainApp({super.key});

  @override
  Widget build(BuildContext context) {
    return const MaterialApp(
      home: BasicApp(),
    );
  }
}
```

basic_app.dart (자기이름.dart 파일)

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

import 'list_0.dart';
import 'week_0.dart';
import 'month_0.dart';

class BasicApp extends StatefulWidget {
  const BasicApp({Key? key}) : super(key: key);

  @override
  BasicAppState createState() => BasicAppState();
}

class BasicAppState extends State<BasicApp> {
  int _selectedIndex = 0;

  @override
  Widget build(BuildContext context) {
    final List<Widget> widgetOptions = <Widget>[
      menuWeek0(),
      menuMonth0(),
      menuList0()
    ];

    return Scaffold(
      appBar: AppBar(
        title: const Text('Basic App'),
      ),
```

```dart
      body: Center(
        child: widgetOptions.elementAt(_selectedIndex),
      ),
      bottomNavigationBar: BottomNavigationBar(
        currentIndex: _selectedIndex,
        onTap: (int index) {
          setState(() {
            _selectedIndex = index;
          });
        },
        items: const [
          BottomNavigationBarItem(
            icon: Icon(Icons.apps),
            label: 'Week',
          ),
          BottomNavigationBarItem(
            icon: Icon(Icons.grid_view),
            label: 'Month',
          ),
          BottomNavigationBarItem(
            icon: Icon(Icons.ballot),
            label: 'List',
          ),
        ],
      ),
```
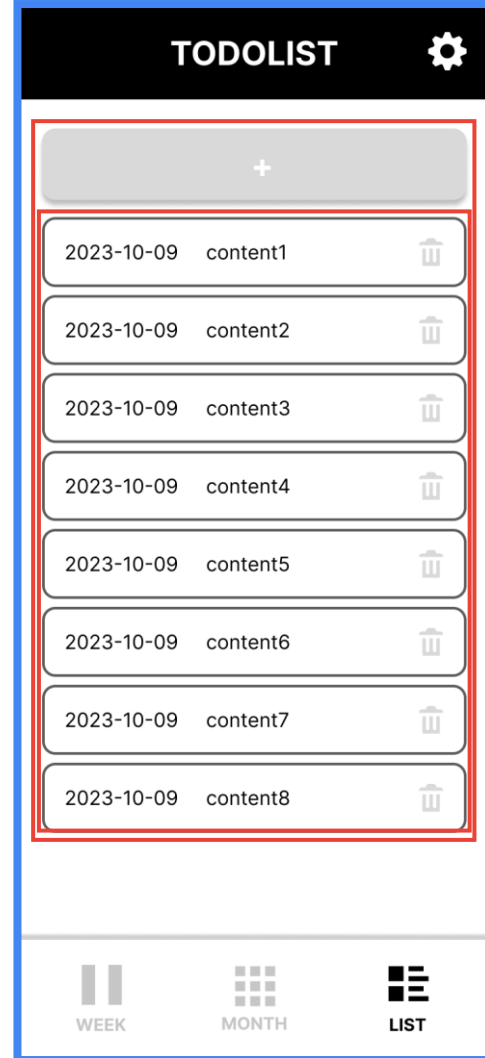
basic_app.dart (자기이름.dart 파일)

```dart
appBar: AppBar(
    title: const Text('TODOLIST',
        style: TextStyle(
            color: Colors.white,
            fontWeight: FontWeight.bold,
            fontSize: 25)),
    centerTitle: true,
    backgroundColor: Colors.black,
),
```

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list.dart (list_[고유번호].dart 파일)

Code Convention (명명법)

1. UpperCamelCase : 단어별 첫글자는 대문자로

    - class

    ex) TextLineContainer

2. lowerCamelCase : 첫단어를 제외하고, 단어별 첫글자는 대문자로, 약어도

    동일하게 적용

    - 변수, 파라미터 등 대부분

    ex) textLineContainer

3. snake_case : 다 소문자 단어별 사이에는 '_' 넣는다.

    - 파일 이름

    ex) text_line_container.dart

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list.dart (list_[고유번호].dart 파일)

```dart
import 'package:flutter/material.dart';
class MenuList extends StatefulWidget {
  const MenuList({Key? key}) : super(key: key);

  @override
  MenuListState createState() => MenuListState();
}
class MenuListState extends State<MenuList> {
  List listComponent = [
    menuComponent("title1", "content1"),
    menuComponent("title2", "content2"),
    menuComponent("title3", "content3"),
    menuComponent("title4", "content4"),
  ];
  @override
  Widget build(BuildContext context) {
    return Column(
      mainAxisAlignment: MainAxisAlignment.start,
      crossAxisAlignment: CrossAxisAlignment.center,
      children: [
        menuComponent("title1", "content1"),
        menuComponent("title2", "content2"),
        menuComponent("title3", "content3"),
        menuComponent("title4", "content4"),
```
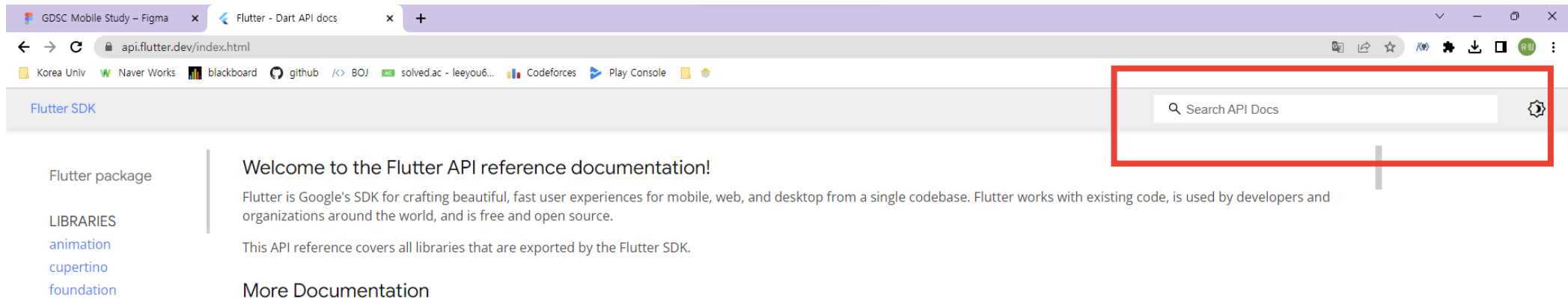
```dart
Widget menuComponent(String title, String content) {
  return Padding(
    padding: const EdgeInsets.all(8.0),
    child: Container(
      height: 50,
      decoration: const BoxDecoration(
        color: Colors.blue,
        borderRadius: BorderRadius.all(Radius.circular(10)),
      ),
      child: Row(children: [
        Text(title),
        Text(content),
      ])),
  );
}
```

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list.dart (list_[고유번호].dart 파일)

- Container

- Row/Column

- Center

- Padding

https://api.flutter.dev/

util.dart

```dart
import "package:flutter/material.dart";

Widget addToDoDialog(BuildContext context, Function add) {
  TextEditingController titleController = TextEditingController();
  TextEditingController contentController = TextEditingController();

  return AlertDialog(
    title: const Text("Add ToDo"),
    content: Column(
      mainAxisSize: MainAxisSize.min,
      children: [
        TextField(
          controller: titleController,
          decoration: const InputDecoration(
            labelText: "Title",
          ),
        ),
        TextField(
          controller: contentController,
          decoration: const InputDecoration(
            labelText: "Content",
          ),
        ),
      ],
    ),
    actions: [
      TextButton(
        onPressed: () {
          add(titleController.text, contentController.text);
          Navigator.pop(context);
        },
        child: const Text("Add"),
      ),
      TextButton(
        onPressed: () {
          Navigator.pop(context);
        },
        child: const Text("Cancel"),
      ),
    ],
  );
}
```