行動APP開發敏捷開發管理實務 期末報告

題目：Todo list

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動機

因為平常有很多作業需要用到電腦來完成，
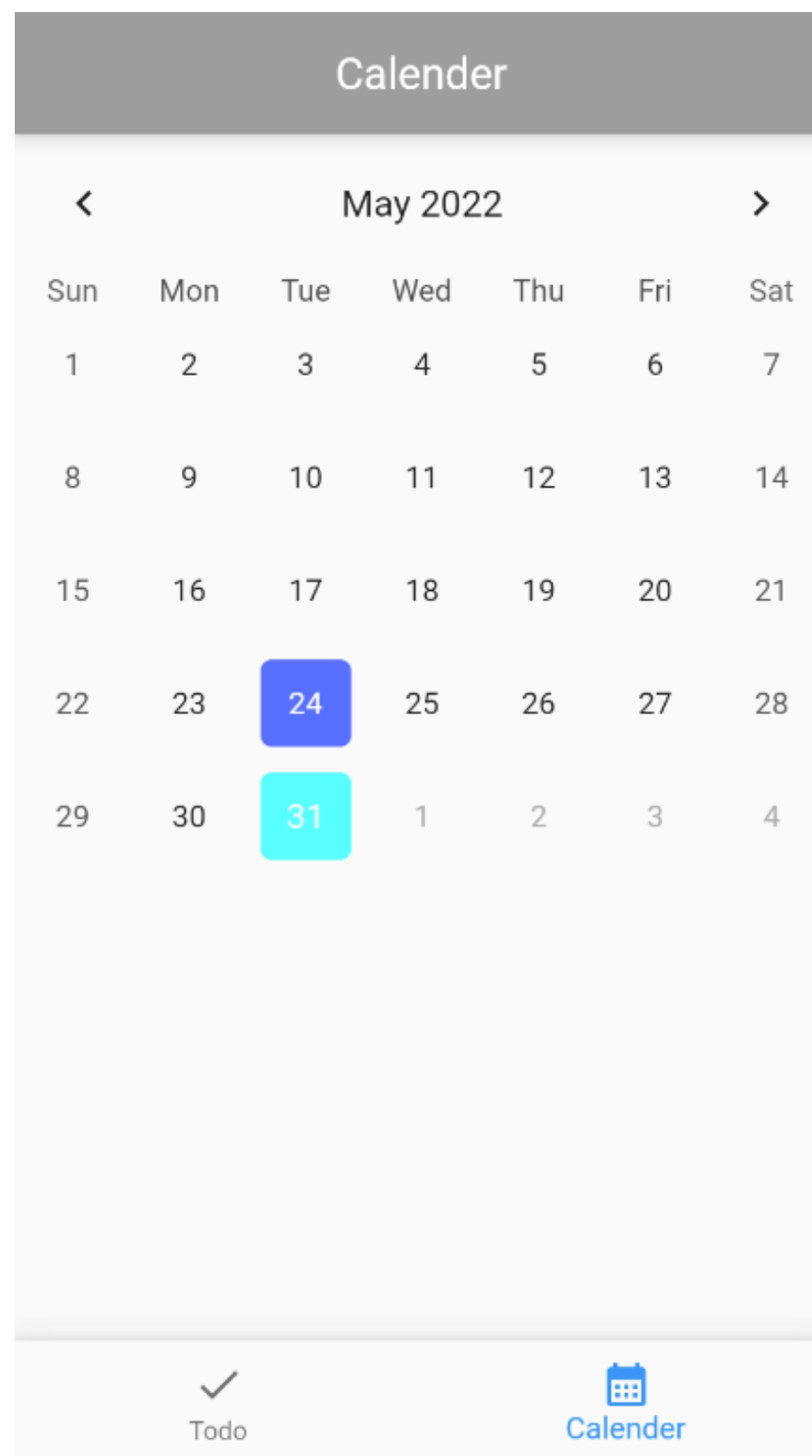但是又不想用手機上內建的代辦事項，怕會讓自己分心，
所以需要一個可以在電腦上記錄代辦事項的清單。

使用的套件：table_calendar

firstDay是日曆的第一個可用日期。用戶將無法訪問前幾天。
lastDay是日曆的最後可用日期。用戶將無法訪問它之後的幾天。
focusedDay是當前目標日期。使用此屬性可確定當前應顯示哪個月份。

結果畫面-日曆

程式碼-calendar

```dart
class Calender extends StatefulWidget {
  @override
  State<Calender> createState() => _CalenderState();
}

class _CalenderState extends State<Calender> {
  CalendarFormat format = CalendarFormat.month;
  DateTime selectedDate = DateTime.now();
  DateTime focusedDay = DateTime.now();
  Widget build(BuildContext context) {
    return Scaffold(appBar: AppBar(
      title: Text("Calender"),
      centerTitle: true,
      backgroundColor: Colors.grey,
    ), // AppBar
    body: TableCalendar(
```

```dart
body: TableCalendar(
  focusedDay: focusedDay,
  firstDay:  DateTime(1990),
  lastDay: DateTime(2050),
  calendarFormat: format,
onFormatChanged: (CalendarFormat _format){
    setState(() {
      format = _format;
    });
  },
  startingDayOfWeek: StartingDayOfWeek.sunday,
  daysOfWeekVisible: true,
  onDaySelected: (DateTime selectDay, DateTime focusDay){
    setState(() {
      selectedDate = selectDay;
      focusedDay = focusDay;
    });
    print(focusDay);
  },
```
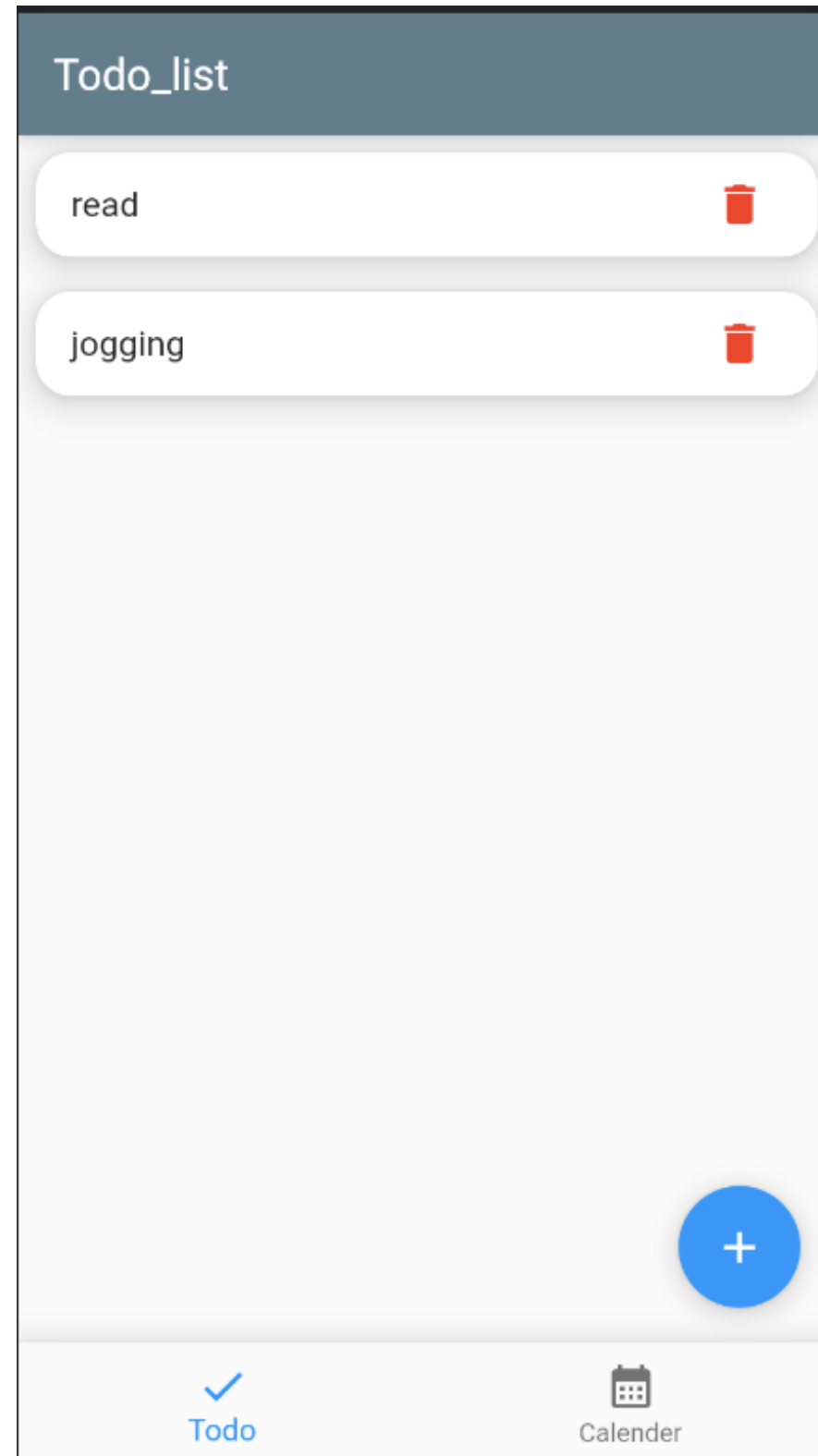
```dart
selectedDayPredicate: (DateTime date) {
  return isSameDay(selectedDate, date);
},
calendarStyle: CalendarStyle(
  isTodayHighlighted: true,
  selectedDecoration: BoxDecoration(
    color: Colors.indigoAccent,
    shape: BoxShape.rectangle,
    borderRadius: BorderRadius.circular(5.0),
  ), // BoxDecoration
  selectedTextStyle: TextStyle(color: Colors.white),
  todayDecoration: BoxDecoration(
    color: Colors.cyanAccent,
    shape: BoxShape.rectangle,
    borderRadius: BorderRadius.circular(5.0),
  ), // BoxDecoration
), // CalendarStyle
headerStyle: HeaderStyle(
  formatButtonVisible: false,
  titleCentered: true,
```
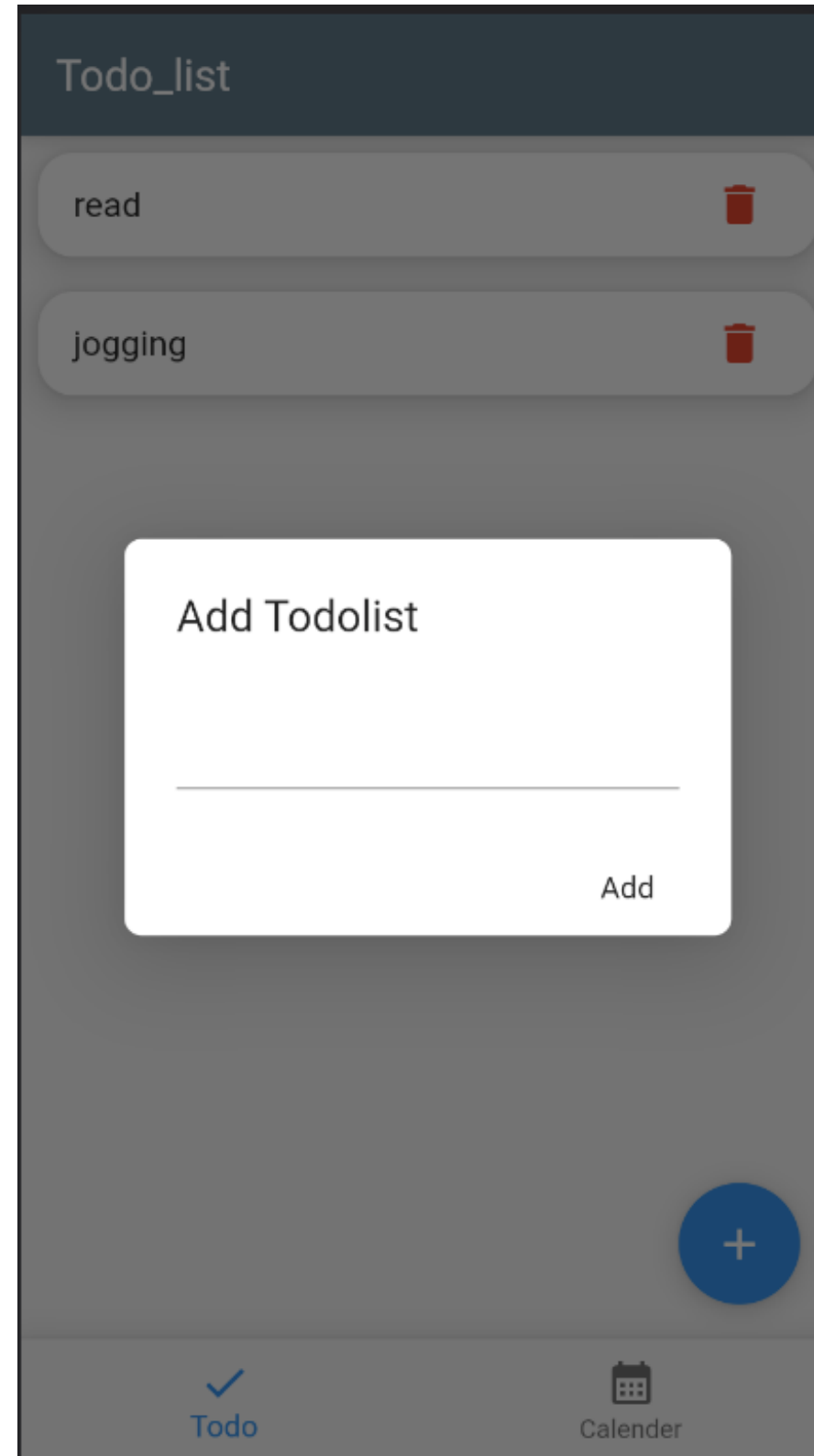
```dart
    ), // BoxDecoration
  ), // CalendarStyle
  headerStyle: HeaderStyle(
    formatButtonVisible: false,
    titleCentered: true,
    formatButtonShowsNext: false,
    formatButtonDecoration: BoxDecoration(
      color: Colors.blue,
      borderRadius: BorderRadius.circular(5.0),
    ), // BoxDecoration
    formatButtonTextStyle: TextStyle(
      color: Colors.white,
    ), // TextStyle
  ), // HeaderStyle
), // TableCalendar
); // Scaffold
```

Todolist

Todolist-新增

使用的元件

BottomNavigationBar：頁面底部導航

AlertDialog：新增的小窗格

ListTile、ListView.builder ：Todo-list

Dismissible：刪除

程式碼-底部導覽

BottomNavigationBar

```dart
import 'package:flutter/material.dart';
import 'package:bottom_navigation_bar/todolist_screen.dart';
import 'package:bottom_navigation_bar/calender.dart';
class Nav extends StatefulWidget {
  _NavState createState() => _NavState();
}

class _NavState extends State<Nav> {
  int _selectedIndex = 0;
  List<Widget> _widgetOptions = <Widget>[
    MyApp(),
    Calender(),
  ];  // <Widget>[]

  void _onItemTap(int index) {
    setState(() {
      _selectedIndex = index;
    });
  }
  Widget build(BuildContext context) {
```

```dart
Widget build(BuildContext context) {
  return Scaffold(

    body: Center(
      child: _widgetOptions.elementAt(_selectedIndex),
    ),  // Center
    bottomNavigationBar: BottomNavigationBar(
      items: const <BottomNavigationBarItem>[
        BottomNavigationBarItem(
          icon: Icon(Icons.check),
          label: 'Todo',
        ),  // BottomNavigationBarItem
        BottomNavigationBarItem(
          icon: Icon(Icons.calendar_month),
          label: 'Calender',
        ),  // BottomNavigationBarItem
      ],  // <BottomNavigationBarItem>[]
      currentIndex: _selectedIndex,
      onTap: _onItemTap,
    ),  // BottomNavigationBar
```

程式碼-todolist

AlertDialog

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

class MyApp extends StatefulWidget {
  @override
  _MyAppState createState() => _MyAppState();
}

class _MyAppState extends  State<MyApp>{
  List todos = [];
  String input = "";
  @override

  void initState() {
    super.initState();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
```

```dart
  title: Text('Todo_list'),
  backgroundColor: Colors.blueGrey,
), // AppBar
floatingActionButton: FloatingActionButton(
  onPressed: () {
    showDialog(context: context, builder:
      (BuildContext context) {
      return AlertDialog(
        shape: RoundedRectangleBorder(borderRadius:
        BorderRadius.circular(8)),  // RoundedRectan
        title: Text("Add Todolist"),
        content: TextField(
          onChanged: (String value) {
            input = value;
          },
        ), // TextField
        actions: <Widget>[
          FlatButton(
            onPressed: () {
              setState(() {
```

```dart
body: ListView.builder(
    itemCount: todos.length,
    itemBuilder: (BuildContext context, int index) {
      return Dismissible(
        key: Key(todos[index]),
        child: Card(
          elevation: 8,
          margin: EdgeInsets.all(8),
          shape: RoundedRectangleBorder(
            borderRadius: BorderRadius.circular(16)),
          child: ListTile(
            title: Text(todos[index]),
            trailing: IconButton(
              icon: Icon(
                Icons.delete,
                color: Colors.red,
              ), // Icon
              onPressed: (){
                setState(() {
                  todos.removeAt(index);
```

ListTile、ListView.builder、Dismissable

參考資料：

Todo_list：https://www.youtube.com/watch?v=KfhBsahlk7w
日曆：https://www.youtube.com/watch?v=HKuzPQUV21Y

Git-hub：

https://github.com/LydiaPai/navigationwithanimation.git

謝謝聆聽