

Apr 2022

MOBILE APPLICATION PROGRAMMING (MAPG)

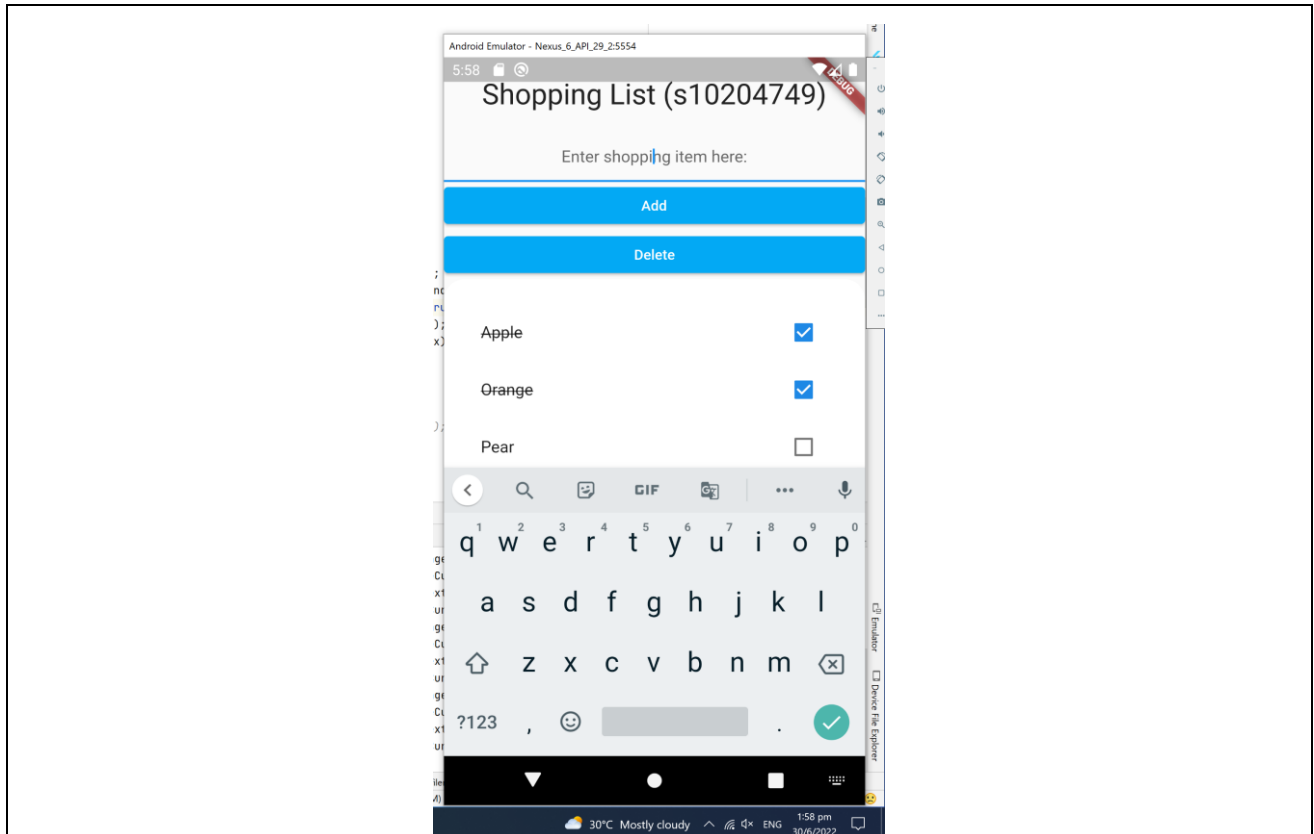
Lab 11 Using the ListView

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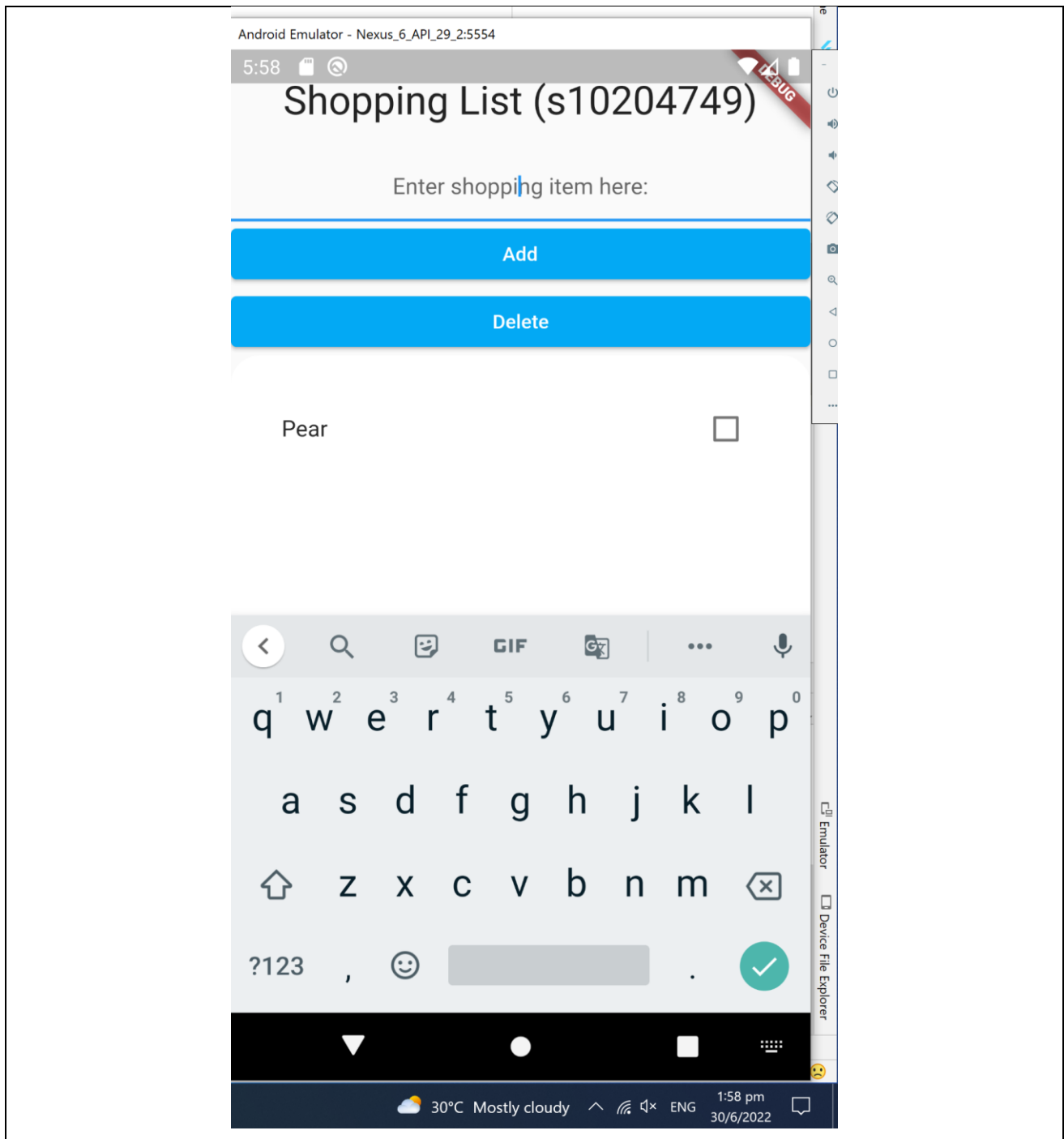
Student ID: _____

1. Exercise 1:

1) Paste the screenshot of the layout here:



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2) **Paste (Ctrl + V)** the codes of main.dart file here. (Note: **Do not paste the screenshots**)

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

void main() {
  runApp(const MaterialApp(home: Application()));
}

class Application extends StatefulWidget {
```

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```

const Application({Key? key}) : super(key: key);

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

class _ApplicationState extends State<Application> {
  final itemHolder = TextEditingController();
  final List<String> _listitems = ['Apple', 'Orange', 'Pear'];
  final List<bool> _listStatus = [false, false, false];

  bool isChecked = false;

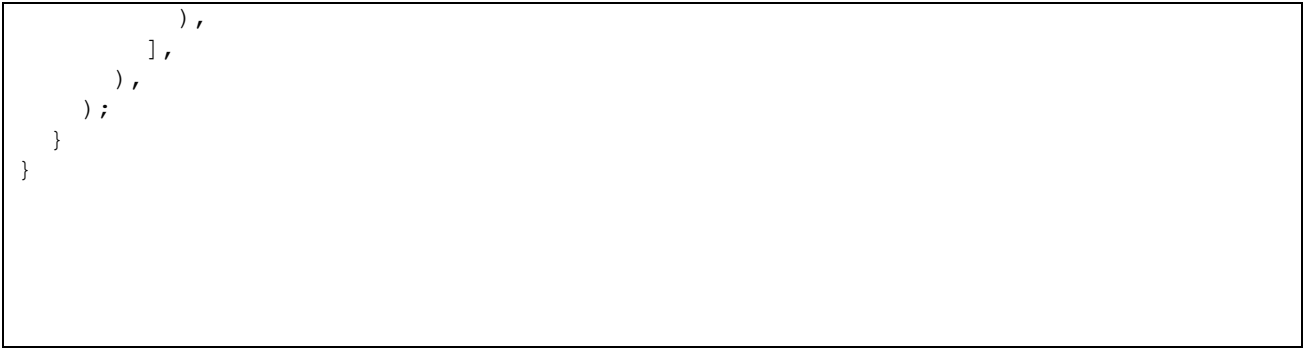
  @override
  Widget build(BuildContext context) {
    String newItem = '';

    return Scaffold(
      body: Column(
        children: [
          Container(
            padding: const EdgeInsets.all(20.0),
            child: const Text(
              'Shopping List (s10204749)',
              style: TextStyle(fontSize: 28),
            ),
          ),
          TextField(
            controller: itemHolder,
            autofocus: true,
            autocorrect: true,
            textAlign: TextAlign.center,
            decoration:
              const InputDecoration(hintText: 'Enter shopping item here:'),
            onChanged: (newText) {
              newItem = newText;
            },
          ),
          SizedBox(
            width: double.infinity,
            child: ElevatedButton(
              style: ElevatedButton.styleFrom(
                primary: Colors.lightBlue,
                onPrimary: Colors.white,
              ),
              onPressed: () {
                setState(() {
                  if (newItem != '') {
                    _listitems.add(newItem);
                    _listStatus.add(isChecked);
                    itemHolder.clear();
                  }
                });
              },
              child: const Text('Add'),
            ),
          ),
          SizedBox(
            width: double.infinity,
            child: ElevatedButton(
              style: ElevatedButton.styleFrom(

```

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End of Exercise