# Sarawak Campus

## Assignment Cover Sheet
(for individual and group assignments)
This cover sheet is to be attached to all assignments, both hard copy and electronic format

## ASSIGNMENT DETAILS

| | | | |
|---|---|---|---|
| Unit Code | | Unit Title | |
| Tutorial/Lab Group | | Lecturer/Tutor Name | |
| Assignment Title | | | |
| Due date | | Date Received | |

## DECLARATION

For both individual and group assignments, in the case of assignment submission on behalf of another student, it is assumed that permission has been given. The University takes no responsibility for any loss, damage, theft, or alteration of the assignment.

To be completed if this is an individual assignment

I declare that this assignment is my individual work. I have not worked collaboratively, nor have I copied from any other student's work or from any other source/s, except where due acknowledgment is made explicitly in the text, nor has any part been written for me by another person.

| Student Details | Student ID Number | Student Name | Student Signature |
|---|---|---|---|
| Student 1 | | | Darren Frederick Chan Chyun Yaw — Digitally signed by Darren Frederick Chan Chyun Yaw Date: 2019.10.18 17:48:29 +08'00' |

To be completed if this is a group assignment

We declare that this is a group assignment and that no part of this submission has been copied from any other student's work or from any other source except where due acknowledgment is made explicitly in the text, nor has any part been written for us by another person.

| Student Details | Student ID Number(s) | Student Name(s) | Student Signature (s) |
|---|---|---|---|
| Student 1 | | | |
| Student 2 | | | |
| Student 3 | | | |
| Student 4 | | | |
| Student 5 | | | |

## MARKER'S COMMENTS

| | | |
|---|---|---|
| Total Mark | Marker's Signature | Date |

## EXTENSION CERTIFICATE

This assignment has been given an extension by
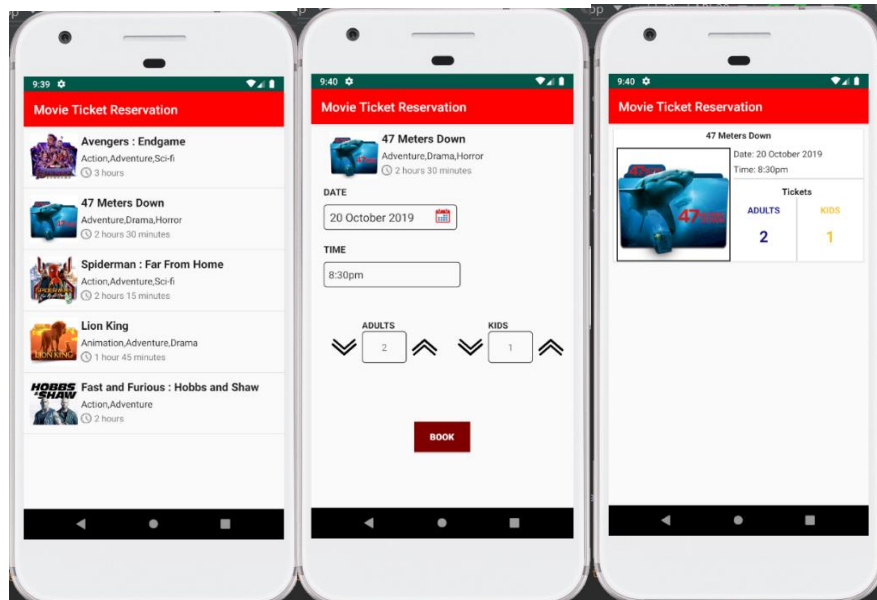
| | | |
|---|---|---|
| Unit Convenor | | |
| Extended due date | Date Received | |

# COS30017 – Software Development for Mobile Devices

**Formative Assignment 3**

**Task 1**

Screenshots



Java Code for Main Activity

```
package com.example.movieticketreservation;

import androidx.annotation.Nullable;
import androidx.appcompat.app.AppCompatActivity;
import androidx.cardview.widget.CardView;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;

import android.content.Intent;
import android.media.Image;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.ImageView;
import android.widget.TextView;

import java.text.SimpleDateFormat;
import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {
    private RecyclerView recyclerView;
    private ArrayList<Movie> movieList;
    private RecyclerViewAdapter adapter;


    //summary
    private CardView cardView;
    private TextView ticket_adult_num,ticket_kid_num,title,date,time;
    private ImageView imageView;
```

```java
    private Movie movie;
    private Reservation reservation;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        movieList=Movie.createMovieList(this);
        initRecycler();
        initCardView();
    }

    private void initRecycler(){
        recyclerView=findViewById(R.id.recyclerView);
        recyclerView.setLayoutManager(new LinearLayoutManager(this));
        DividerItemDecoration divide=new
DividerItemDecoration(this,DividerItemDecoration.VERTICAL);
        recyclerView.addItemDecoration(divide);
        adapter=new RecyclerViewAdapter(movieList);
        recyclerView.setAdapter(adapter);
    }
    private void initCardView(){
        cardView=findViewById(R.id.cardView);
        ticket_adult_num=findViewById(R.id.textView_adult_tickets_num);
        ticket_kid_num=findViewById(R.id.textView_child_tickets_num);
        title=findViewById(R.id.title);
        date=findViewById(R.id.textView_date);
        time=findViewById(R.id.textView_time);
        imageView=findViewById(R.id.imageView);
    }

    @Override
    protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
        super.onActivityResult(requestCode, resultCode, data);
        if(requestCode==999 && resultCode==RESULT_OK){
            cardView.setVisibility(View.VISIBLE);
            recyclerView.setVisibility(View.GONE);
            //movie=data.getParcelableExtra("reservation");
            reservation=data.getParcelableExtra("reservation");
            int
resID=getResources().getIdentifier(reservation.getImageName(),"drawable",getPackageName());
            imageView.setImageResource(resID);
            title.setText(reservation.getTitle());
            date.setText("Date: "+reservation.getSelected_date());
            time.setText("Time: "+reservation.getSelected_time());
            ticket_adult_num.setText(reservation.getAdults());
            ticket_kid_num.setText(reservation.getChild());
        }
    }
}
```

## Java Code for SecondActivity

```java
package com.example.movieticketreservation;

import androidx.appcompat.app.AppCompatActivity;
import androidx.recyclerview.widget.DividerItemDecoration;
import androidx.recyclerview.widget.LinearLayoutManager;
import androidx.recyclerview.widget.RecyclerView;
```

```java
import android.app.DatePickerDialog;
import android.content.Intent;
import android.database.DatabaseErrorHandler;
import android.os.Bundle;
import android.util.Log;
import android.view.View;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
import android.widget.ImageView;
import android.widget.Spinner;
import android.widget.TextView;
import android.widget.Toast;

import java.text.DateFormat;
import java.text.ParseException;
import java.text.SimpleDateFormat;
import java.util.ArrayList;
import java.util.Calendar;
import java.util.Date;

public class SecondActivity extends AppCompatActivity implements
DatePickerDialog.OnDateSetListener {
    private RecyclerView recyclerView;
    private ArrayList<Movie> movieList; //add selected Movie into this ArrayList after extraction from
bundle
    private RecyclerViewAdapter adapter;
    private Movie movie;

    //calender
    private TextView textView_calendar;
    private Date currentDate;
    private Date selectedDate;//to be packaged

    //spinner
    private Spinner spinner;
    private ArrayAdapter<String> timeAdapter;
    private String selectedTime="";//to be packaged

    //tickets
    private TextView adult,kid;
    private ImageView adult_up,adult_down,kid_up,kid_down;
    private int ticket_adult=0;//to be packaged
    private int ticket_kid=0;//to be packaged

    //book
    private Button book;

    //reservation
    Reservation reservation; //to be packaged

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);
        movieList=new ArrayList<>();
        if(getIntent().hasExtra("selected_movie")){
```

```java
            movie=getIntent().getParcelableExtra("selected_movie");
            movieList.add(movie);
        }
        reservation=new Reservation(movie);
        initRecycler();
        initCalendar();
        initSpinner();
        initButtons();

    }
    private int calcDays(){
        long curDate=currentDate.getTime();
        long selDate=selectedDate.getTime();
        int result=(int)((selDate-curDate)/(24*60*60*1000))+1;
        return result;
    }
    private void initButtons(){
        adult=findViewById(R.id.textView_numAdult);
        kid=findViewById(R.id.textView_numKid);
        adult.setText(String.valueOf(ticket_adult));
        kid.setText(String.valueOf(ticket_kid));

        adult_up=findViewById(R.id.imageView_adult_up);
        adult_down=findViewById(R.id.imageView_adult_down);
        adult_up.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                ticket_adult++;
                adult.setText(String.valueOf(ticket_adult));
            }
        });
        adult_down.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                if(ticket_adult<=0){
                    ticket_adult=0;
                    adult.setText(String.valueOf(ticket_adult));
                }else{
                    ticket_adult--;
                    adult.setText(String.valueOf(ticket_adult));
                }
            }
        });
        kid_up=findViewById(R.id.imageView_kid_up);
        kid_down=findViewById(R.id.imageView_kid_down);
        kid_up.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                ticket_kid++;
                kid.setText(String.valueOf(ticket_kid));
            }
        });
        kid_down.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                if(ticket_kid<=0){
                    ticket_kid=0;
                    kid.setText(String.valueOf(ticket_kid));
                }else {
                    ticket_kid--;
```

```java
                    kid.setText(String.valueOf(ticket_kid));
                }
            }
        });

        book=findViewById(R.id.button_book);
        book.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                int days=calcDays();
                if(days>=4 || days<=0){
                    Toast.makeText(getApplicationContext(),
                            "Invalid selected data, please reselect"
                            ,Toast.LENGTH_SHORT).show();
                }else if(ticket_kid==0 && ticket_adult==0){
                    Toast.makeText(getApplicationContext(),"You must purchase a ticket to book"
                            ,Toast.LENGTH_SHORT).show();
                }
                else {
                    SimpleDateFormat sdf = new SimpleDateFormat("d MMMM yyyy");
                    String temp = sdf.format(selectedDate);
                    reservation.setSelected_date(temp);
                    reservation.setSelected_time(selectedTime);
                    reservation.setAdults(String.valueOf(ticket_adult));
                    reservation.setChild(String.valueOf(ticket_kid));
                    Intent intent = new Intent(getApplicationContext(), MainActivity.class);
                    intent.putExtra("reservation", reservation);
                    setResult(RESULT_OK, intent);
                    finish();
                }
            }
        });
    }
    private void initSpinner(){
        spinner=findViewById(R.id.spinner);
        String[] time=movieList.get(0).getShowtime();
        timeAdapter=new ArrayAdapter<String>(this,android.R.layout.simple_spinner_item
                ,time);
        timeAdapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner.setAdapter(timeAdapter);
        spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {
                selectedTime = spinner.getSelectedItem().toString();
            }

            @Override
            public void onNothingSelected(AdapterView<?> parent) {
                selectedTime = movieList.get(0).getShowtime()[0];
            }
        });
    }
    private void initCalendar() {
        Calendar calendar=Calendar.getInstance();
        currentDate=calendar.getTime();
        textView_calendar=findViewById(R.id.editText_date);

        textView_calendar.setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
```

```java
                showDatePickerDialog();
            }
        });

    }
    private void showDatePickerDialog(){
        DatePickerDialog datePickerDialog=new DatePickerDialog(this,this,
                Calendar.getInstance().get(Calendar.YEAR),
                Calendar.getInstance().get(Calendar.MONTH),
                Calendar.getInstance().get(Calendar.DAY_OF_MONTH)
        );
        datePickerDialog.show();
    }

    @Override
    public void onDateSet(DatePicker view, int year, int month, int dayOfMonth) {
        String temp=dayOfMonth+" "+(month+1)+" "+year;
        SimpleDateFormat sdf=new SimpleDateFormat("d M yyyy");
        try {
            selectedDate=sdf.parse(temp);
            sdf=new SimpleDateFormat("d MMMM yyyy");
            sdf.format(selectedDate);
            textView_calendar.setText(sdf.format(selectedDate));
        } catch (ParseException e) {
            e.printStackTrace();
        }
    }

    private void initRecycler() {
        recyclerView=findViewById(R.id.second_recycler_view);
        recyclerView.setLayoutManager(new LinearLayoutManager(this));
        adapter=new RecyclerViewAdapter(movieList);
        recyclerView.setAdapter(adapter);
    }




}
```
## Java Code for RecyclerViewAdapter

```java
package com.example.movieticketreservation;

import android.app.Activity;
import android.content.Context;
import android.content.Intent;
import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;

import androidx.annotation.NonNull;
import androidx.recyclerview.widget.RecyclerView;

import java.util.ArrayList;

public class RecyclerViewAdapter extends
```

```java
RecyclerView.Adapter<RecyclerViewAdapter.ViewHolder>{
    private ArrayList<Movie> movieList;

    public RecyclerViewAdapter(ArrayList<Movie> movieList) {
        this.movieList = movieList;
    }

    @NonNull
    @Override
    public ViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {
        View view= LayoutInflater.from(parent.getContext()).inflate(R.layout.movie_layout,
            parent,false);
        return new ViewHolder(view);
    }

    @Override
    public void onBindViewHolder(@NonNull ViewHolder holder, int position) {
        Movie movie=movieList.get(position);
        int resID=holder.imageView.getResources().getIdentifier(movie.getImageName(),
            "drawable",holder.imageView.getContext().getPackageName());
        holder.imageView.setImageResource(resID);
        holder.title.setText(movie.getTitle());
        holder.genre.setText(movie.getGenre());
        holder.duration.setText(movie.getDuration());
    }

    @Override
    public int getItemCount() {
        return movieList.size();
    }

    public class ViewHolder extends RecyclerView.ViewHolder implements View.OnClickListener{
        public ImageView imageView;
        public TextView title,genre,duration;
        public ViewHolder(@NonNull View itemView) {
            super(itemView);
            imageView=itemView.findViewById(R.id.imageView);
            title=itemView.findViewById(R.id.textView_title);
            genre=itemView.findViewById(R.id.textView_genre);
            duration=itemView.findViewById(R.id.textView_duration);
            itemView.setOnClickListener(this);
        }

        @Override
        public void onClick(View v) {
            int pos=getAdapterPosition();
            Intent intent=new Intent(v.getContext(),SecondActivity.class);
            intent.putExtra("selected_movie",movieList.get(pos));
            ((Activity)v.getContext()).startActivityForResult(intent,999);
        }
    }
}
```

```java
package com.example.movieticketreservation;

import android.content.Context;
import android.os.Parcel;
import android.os.Parcelable;

import java.util.ArrayList;

public class Movie implements Parcelable {
    private String title;
    private String genre;
    private String[] showtime;
    private String duration;
    private String imageName;




    public Movie(String title, String genre, String[] showtime, String duration,String imageName) {
        this.title = title;
        this.genre = genre;
        this.showtime = showtime;
        this.duration = duration;
        this.imageName=imageName;

    }

    protected Movie(Parcel in) {
        title = in.readString();
        genre = in.readString();
        showtime = in.createStringArray();
        duration = in.readString();
        imageName=in.readString();

    }

    public static final Creator<Movie> CREATOR = new Creator<Movie>() {
        @Override
        public Movie createFromParcel(Parcel in) {
            return new Movie(in);
        }

        @Override
        public Movie[] newArray(int size) {
            return new Movie[size];
        }
    };

    public String getDuration() {
        return duration;
    }

    public void setDuration(String duration) {
        this.duration = duration;
    }

    public String getTitle() {
        return title;
```

```java
    }

    public void setTitle(String title) {
        this.title = title;
    }

    public String getGenre() {
        return genre;
    }

    public void setGenre(String genre) {
        this.genre = genre;
    }

    public String[] getShowtime() {
        return showtime;
    }

    public void setShowtime(String[] showtime) {
        this.showtime = showtime;
    }
    public String getImageName() {
        return imageName;
    }

    public void setImageName(String imageName) {
        this.imageName = imageName;
    }


    public static ArrayList<Movie> createMovieList(Context context){
        ArrayList<Movie> movieList=new ArrayList<>();

        movieList.add(new Movie("Avengers : Endgame","Action,Adventure,Sci-
fi",context.getResources().getStringArray(R.array.avengers),"3 hours","avengers"));
        movieList.add(new Movie("47 Meters
Down","Adventure,Drama,Horror",context.getResources().getStringArray(R.array.meters),"2 hours 30
minutes","meters"));
        movieList.add(new Movie("Spiderman : Far From Home","Action,Adventure,Sci-
fi",context.getResources().getStringArray(R.array.spiderman),"2 hours 15 minutes","spiderman"));
        movieList.add(new Movie("Lion
King","Animation,Adventure,Drama",context.getResources().getStringArray(R.array.lionking),"1 hour
45 minutes","lion_king"));
        movieList.add(new Movie("Fast and Furious : Hobbs and
Shaw","Action,Adventure",context.getResources().getStringArray(R.array.hobbs),"2 hours","hobbs"));
        return movieList;
    }

    @Override
    public int describeContents() {
        return 0;
    }

    @Override
    public void writeToParcel(Parcel dest, int flags) {
        dest.writeString(title);
        dest.writeString(genre);
        dest.writeStringArray(showtime);
        dest.writeString(duration);
        dest.writeString(imageName);
```

```
        }
}

Java Code for Reservation Class
package com.example.movieticketreservation;

import android.os.Parcel;
import android.os.Parcelable;

public class Reservation implements Parcelable {
    private String title;
    private String imageName;
    private String selected_time;
    private String selected_date;
    private String adults;
    private String child;

    protected Reservation(Parcel in) {
        title = in.readString();
        imageName = in.readString();
        selected_time = in.readString();
        selected_date = in.readString();
        adults = in.readString();
        child = in.readString();
    }

    public static final Creator<Reservation> CREATOR = new Creator<Reservation>() {
        @Override
        public Reservation createFromParcel(Parcel in) {
            return new Reservation(in);
        }

        @Override
        public Reservation[] newArray(int size) {
            return new Reservation[size];
        }
    };
    public String getTitle() {
        return title;
    }

    public void setTitle(String title) {
        this.title = title;
    }

    public String getImageName() {
        return imageName;
    }

    public void setImageName(String imageName) {
        this.imageName = imageName;
    }

    public String getSelected_time() {
        return selected_time;
    }

    public void setSelected_time(String selected_time) {
        this.selected_time = selected_time;
```

```java
    }

    public String getSelected_date() {
        return selected_date;
    }

    public void setSelected_date(String selected_date) {
        this.selected_date = selected_date;
    }

    public String getAdults() {
        return adults;
    }

    public void setAdults(String adults) {
        this.adults = adults;
    }

    public String getChild() {
        return child;
    }

    public void setChild(String child) {
        this.child = child;
    }



    public Reservation(Movie movie) {
        this.title = movie.getTitle();
        this.imageName = movie.getImageName();
        this.selected_time = "";
        this.selected_date = "";
        this.adults = "";
        this.child = "";
    }

    @Override
    public int describeContents() {
        return 0;
    }

    @Override
    public void writeToParcel(Parcel dest, int flags) {
        dest.writeString(title);
        dest.writeString(imageName);
        dest.writeString(selected_time);
        dest.writeString(selected_date);
        dest.writeString(adults);
        dest.writeString(child);
    }
}
```

**Task 2**

<u>XML for Main</u>

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    android:id="@+id/layout"
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity"/>
```

<u>XML for Fragment One</u>

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <ImageView
        android:id="@+id/title"
        android:layout_width="358dp"
        android:layout_height="71dp"
        android:contentDescription="@string/titleImage"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:srcCompat="@drawable/title" />

    <ImageView
        android:id="@+id/burger_main"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:adjustViewBounds="true"
        android:contentDescription="@string/burgerMainImage"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/title"
        app:srcCompat="@drawable/burger_main" />

    <ImageView
        android:id="@+id/ingredient"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:contentDescription="@string/ingredientImage"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/burger_main"
        app:srcCompat="@drawable/ingredient" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guideline"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```xml
        android:orientation="vertical"
        app:layout_constraintGuide_begin="20dp" />

    <ImageView
        android:id="@+id/meat"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:contentDescription="@string/meatImage"
        app:layout_constraintStart_toEndOf="@id/guideline"
        app:layout_constraintTop_toBottomOf="@id/ingredient"
        app:srcCompat="@drawable/meat" />

    <TextView
        android:id="@+id/protein"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="5dp"
        android:layout_marginTop="8dp"
        android:text="@string/protein"
        android:textColor="@color/font"
        android:textSize="18sp"
        app:layout_constraintStart_toEndOf="@id/meat"
        app:layout_constraintTop_toTopOf="@id/meat" />

    <LinearLayout
        android:id="@+id/hori1"
        android:layout_width="260dp"
        android:layout_height="1dp"
        android:layout_marginStart="3dp"
        android:layout_marginTop="13dp"
        android:background="@color/primary"
        android:orientation="horizontal"
        app:layout_constraintStart_toEndOf="@id/protein"
        app:layout_constraintTop_toTopOf="@id/protein" />

    <RadioGroup
        android:id="@+id/radioGroup"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintStart_toEndOf="@id/guideline"
        app:layout_constraintTop_toBottomOf="@id/meat">

        <RadioButton
            android:id="@+id/beef"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginStart="10dp"
            android:layout_marginEnd="10dp"
            android:layout_weight="1"
            android:text="@string/beef" />

        <RadioButton
            android:id="@+id/chicken"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_marginEnd="10dp"
            android:layout_weight="1"
            android:text="@string/chicken" />
```

```xml
    <RadioButton
        android:id="@+id/fish"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="10dp"
        android:layout_weight="1"
        android:text="@string/fish" />

    <RadioButton
        android:id="@+id/egg"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginEnd="10dp"
        android:layout_weight="1"
        android:text="@string/egg" />
</RadioGroup>

<ImageView
    android:id="@+id/salad"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="5dp"
    android:contentDescription="@string/saladImage"
    app:layout_constraintStart_toEndOf="@id/guideline"
    app:layout_constraintTop_toBottomOf="@id/radioGroup"
    app:srcCompat="@drawable/salad" />

<TextView
    android:id="@+id/fiber"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="5dp"
    android:layout_marginTop="8dp"
    android:text="@string/fiber"
    android:textColor="@color/font"
    android:textSize="18sp"
    app:layout_constraintStart_toEndOf="@id/salad"
    app:layout_constraintTop_toTopOf="@id/salad" />

<LinearLayout
    android:id="@+id/hori2"
    android:layout_width="277dp"
    android:layout_height="1dp"
    android:layout_marginStart="3dp"
    android:layout_marginTop="13dp"
    android:background="@color/primary"
    android:orientation="horizontal"
    app:layout_constraintStart_toEndOf="@id/fiber"
    app:layout_constraintTop_toTopOf="@id/fiber" />

<CheckBox
    android:id="@+id/lettuce"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="10dp"
    android:text="@string/lettuce"
    app:layout_constraintStart_toEndOf="@id/guideline"
    app:layout_constraintTop_toBottomOf="@id/salad" />

<CheckBox
```

```xml
        android:id="@+id/tomato"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="20dp"
        android:text="@string/tomato"
        app:layout_constraintStart_toEndOf="@id/lettuce"
        app:layout_constraintTop_toBottomOf="@id/salad" />

    <CheckBox
        android:id="@+id/pickle"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="20dp"
        android:text="@string/pickle"
        app:layout_constraintStart_toEndOf="@id/tomato"
        app:layout_constraintTop_toBottomOf="@id/salad" />

    <CheckBox
        android:id="@+id/onion"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="20dp"
        android:text="@string/onion"
        app:layout_constraintStart_toEndOf="@id/pickle"
        app:layout_constraintTop_toBottomOf="@id/salad" />

    <LinearLayout
        android:id="@+id/dot1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@drawable/dot"
        android:orientation="horizontal"
        app:layout_constraintBottom_toBottomOf="@id/guideline2"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginEnd="10dp"/>

    <LinearLayout
        android:id="@+id/dot2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:background="@drawable/dot_mute"
        app:layout_constraintBottom_toBottomOf="@id/guideline2"
        app:layout_constraintStart_toEndOf="@id/dot1"
        android:layout_marginStart="10dp"
        />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guideline2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_begin="581dp" />


</androidx.constraintlayout.widget.ConstraintLayout>
```

XML for Fragment Two

```xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".FragmentTwo">


    <ImageView
        android:id="@+id/burger2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="15dp"
        android:adjustViewBounds="true"
        android:contentDescription="@string/burger2Image"
        android:src="@drawable/burger2"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

    <ImageView
        android:id="@+id/juice"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:contentDescription="@string/juiceImage"
        android:src="@drawable/juice"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toBottomOf="@id/burger2" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guideline3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="vertical"
        app:layout_constraintGuide_end="391dp" />

    <ImageView
        android:id="@+id/cheese2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:contentDescription="@string/cheese2Image"
        android:src="@drawable/cheese2"
        app:layout_constraintStart_toEndOf="@id/guideline3"
        app:layout_constraintTop_toBottomOf="@id/juice" />

    <TextView
        android:id="@+id/yummyfat"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginStart="5dp"
        android:layout_marginTop="8dp"
        android:text="@string/yummyfat"
        android:textColor="@color/font"
        android:textSize="18sp"
        app:layout_constraintStart_toEndOf="@id/cheese2"
        app:layout_constraintTop_toTopOf="@id/cheese2" />
```

```xml
<LinearLayout
    android:id="@+id/hori3"
    android:layout_width="230dp"
    android:layout_height="1dp"
    android:layout_marginStart="3dp"
    android:layout_marginTop="13dp"
    android:background="@color/primary"
    android:orientation="horizontal"
    app:layout_constraintStart_toEndOf="@id/yummyfat"
    app:layout_constraintTop_toTopOf="@id/yummyfat" />

<CheckBox
    android:id="@+id/cheese"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="10dp"
    android:text="@string/cheese"
    app:layout_constraintStart_toEndOf="@id/guideline3"
    app:layout_constraintTop_toBottomOf="@id/cheese2" />

<CheckBox
    android:id="@+id/mayo"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="20dp"
    android:text="@string/mayo"
    app:layout_constraintStart_toEndOf="@id/cheese"
    app:layout_constraintTop_toBottomOf="@id/cheese2" />

<CheckBox
    android:id="@+id/mustard"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="20dp"
    android:text="@string/mustard"
    app:layout_constraintStart_toEndOf="@id/mayo"
    app:layout_constraintTop_toBottomOf="@id/cheese2" />

<LinearLayout
    android:id="@+id/hori4"
    android:layout_width="402dp"
    android:layout_height="1dp"
    android:layout_marginStart="3dp"
    android:layout_marginTop="13dp"
    android:background="@color/primary"
    android:orientation="horizontal"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toBottomOf="@id/cheese" />

<TextView
    android:id="@+id/size"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:text="@string/size"
    android:textColor="@color/font"
    android:textSize="18sp"
    android:textStyle="bold"
```

```xml
    app:layout_constraintStart_toEndOf="@id/guideline3"
    app:layout_constraintTop_toBottomOf="@id/hori4" />

<androidx.appcompat.widget.AppCompatSpinner
    android:id="@+id/spinner"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    app:layout_constraintStart_toEndOf="@id/size"
    app:layout_constraintTop_toBottomOf="@id/hori4" />

<TextView
    android:id="@+id/yourorder"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="10dp"
    android:text="@string/yourorder"
    android:textColor="@color/primary"
    android:textStyle="bold"
    app:layout_constraintStart_toEndOf="@id/guideline4"
    app:layout_constraintTop_toBottomOf="@id/hori4" />

<ImageView
    android:id="@+id/burger"
    android:contentDescription="@string/burgerImage"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginStart="15dp"
    android:layout_marginTop="10dp"
    android:src="@drawable/burger"
    app:layout_constraintStart_toEndOf="@id/yourorder"
    app:layout_constraintTop_toBottomOf="@id/hori4" />

<androidx.constraintlayout.widget.Guideline
    android:id="@+id/guideline4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:orientation="vertical"
    app:layout_constraintGuide_begin="217dp" />

<TextView
    android:id="@+id/summary"
    android:layout_width="180dp"
    android:layout_height="80dp"
    android:text="@string/placeholder"
    android:textColor="@color/primary"
    app:layout_constraintStart_toEndOf="@id/guideline4"
    app:layout_constraintTop_toBottomOf="@id/burger" />

<TextView
    android:id="@+id/price"
    android:layout_width="100dp"
    android:layout_height="30dp"
    android:background="@color/price"
    android:gravity="center"
    android:text="@string/priceplaceholder"
    android:textColor="@color/primary"
    android:textStyle="bold"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toEndOf="@id/guideline4"
```

```xml
        app:layout_constraintTop_toBottomOf="@id/guideline5" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guideline5"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_begin="501dp" />

    <androidx.constraintlayout.widget.Guideline
        android:id="@+id/guideline6"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        app:layout_constraintGuide_begin="581dp" />

    <LinearLayout
        android:id="@+id/dot1F2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@drawable/dot_mute"
        android:orientation="horizontal"
        app:layout_constraintBottom_toTopOf="@id/guideline6"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginEnd="10dp"/>

    <LinearLayout
        android:id="@+id/dot2F2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:orientation="horizontal"
        android:background="@drawable/dot"
        app:layout_constraintBottom_toBottomOf="@id/guideline6"
        app:layout_constraintStart_toEndOf="@id/dot1F2"
        android:layout_marginStart="10dp"
        />


</androidx.constraintlayout.widget.ConstraintLayout>
```

Java Code for Main Activity

```java
package com.example.assignment3task2;

import androidx.appcompat.app.AppCompatActivity;
import androidx.fragment.app.FragmentManager;

import android.net.Uri;
import android.os.Bundle;
import android.util.Log;
import android.widget.Toast;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity implements
FragmentOne.OnFragmentInteractionListener{

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        FragmentOne fragmentOne= new FragmentOne();
        FragmentManager fragmentManager=getSupportFragmentManager();

fragmentManager.beginTransaction().add(R.id.layout,fragmentOne).addToBackStack("true").commit()
;

    }


    //this here is the interface
    @Override
    public void onFragmentInteraction(String meat, ArrayList<String> fiber) {
        FragmentTwo fragment=FragmentTwo.newInstance(meat,fiber);
        getSupportFragmentManager()
            .beginTransaction()
            .replace(R.id.layout,fragment)
            .addToBackStack(null)
            .commit();
    }
}
```

Java Code for FragmentOne

```java
package com.example.assignment3task2;

import android.content.Context;
import android.gesture.GestureUtils;
import android.net.Uri;
import android.os.Bundle;

import androidx.fragment.app.Fragment;

import android.util.Log;
import android.view.GestureDetector;
import android.view.LayoutInflater;
import android.view.MotionEvent;
import android.view.View;
import android.view.ViewGroup;
import android.widget.CheckBox;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;

import java.util.ArrayList;
import java.util.HashMap;


public class FragmentOne extends Fragment implements GestureDetector.OnGestureListener{

    //RadioGroup
    private RadioGroup radioGroup;
    private boolean isProtein=false; //validate that a protein is picked
    private RadioButton radioButton;
    private String selected_meat="";//to be bundled

    //Fiber
    private String[] fiberID;
    private CheckBox[] checkBoxes_fiber;
    private ArrayList<String> selected_fiber=new ArrayList<>();//to be bundled
    private int selection=3;
    private int numofVeg=0;
    private boolean vegPromo=false;



    private OnFragmentInteractionListener mListener;

    private GestureDetector gestureDetector;

    public FragmentOne() {
        // Required empty public constructor
    }


    @Override
    public void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
    }

    private void initMain(View view){
        initRadioGroup(view);
        initFiber(view);
```

```java
    }

    private void initRadioGroup(final View view) {
        radioGroup=view.findViewById(R.id.radioGroup);
        radioGroup.setOnCheckedChangeListener(new RadioGroup.OnCheckedChangeListener() {
            @Override
            public void onCheckedChanged(RadioGroup group, int checkedId) {
                isProtein=true;
                int id=radioGroup.getCheckedRadioButtonId();
                radioButton=((View)view).findViewById(id);
                String result=radioButton.getText().toString();
                selected_meat=result;
            }
        });
    }


    private void initFiber(View view){
        fiberID=view.getResources().getStringArray(R.array.fiber);
        checkBoxes_fiber=new CheckBox[fiberID.length];
        for(int i=0;i<fiberID.length;i++){
            int id=getResources().getIdentifier(fiberID[i],"id",view.getContext().getPackageName());
            checkBoxes_fiber[i]=view.findViewById(id);
            checkBoxes_fiber[i].setOnClickListener(new View.OnClickListener(){
                @Override
                public void onClick(View v) {
                    if(((CheckBox) v).isChecked()){
                        vegChecked();
                    }else{
                        vegUnchecked();
                    }
                }
            });
        }
    }
    private void vegChecked(){
        selection--;
        numofVeg++;
        checkSelection();
    }
    private void vegUnchecked(){
        selection++;
        numofVeg--;
        checkSelection();
    }
    private void checkSelection(){
        for(int i=0;i<checkBoxes_fiber.length;i++){
            if(selection==0){
                if(!checkBoxes_fiber[i].isChecked()){
                    checkBoxes_fiber[i].setClickable(false);
                    checkBoxes_fiber[i].setEnabled(false);
                }
            }else{
                checkBoxes_fiber[i].setClickable(true);
                checkBoxes_fiber[i].setEnabled(true);
            }
        }
    }
```

```java
    private void reset(View view){

        //reset meat section
        radioGroup.setOnCheckedChangeListener(null);
        radioGroup.clearCheck();
        selected_meat="";

        //reset vegetables section
        selected_fiber=new ArrayList<>();
        selection=3;
        numofVeg=0;
        vegPromo=false;
        clearCheckBox();

        //re-init
        initRadioGroup(view);
        initFiber(view);
    }
    private void clearCheckBox(){
        for(int i=0;i<checkBoxes_fiber.length;i++){
            checkBoxes_fiber[i].setChecked(false);
            checkBoxes_fiber[i].setClickable(true);
            checkBoxes_fiber[i].setEnabled(true);
        }
    }
    private void getVeg(){
        for(int i=0;i<checkBoxes_fiber.length;i++){
            if(checkBoxes_fiber[i].isChecked()){
                selected_fiber.add(checkBoxes_fiber[i].getText().toString());
            }
        }
    }
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                    Bundle savedInstanceState) {
        // Inflate the layout for this fragment
        final View view=inflater.inflate(R.layout.fragment_one,container,false);
        //GestureDetector
        gestureDetector=new GestureDetector(this);
        view.setOnTouchListener(new View.OnTouchListener() {
            @Override
            public boolean onTouch(View v, MotionEvent event) {
                if(gestureDetector.onTouchEvent(event)){
                    if(isProtein){
                        //function to get array of selected veggies
                        getVeg();
                        onButtonPressed(selected_meat,selected_fiber);
                        reset(view);
                    }else{
                        Toast.makeText(getActivity(),"Pick a Protein to
proceed",Toast.LENGTH_SHORT).show();
                    }
                }
                return true;
            }
        });
        initMain(view);
        return view;
    }
```

```java
public void onButtonPressed(String meat,ArrayList<String> fiber) {
    if (mListener != null) {
        mListener.onFragmentInteraction(meat,fiber);
    }
}

@Override
public void onAttach(Context context) {
    super.onAttach(context);
    if (context instanceof OnFragmentInteractionListener) {
        mListener = (OnFragmentInteractionListener) context;
    } else {
        throw new RuntimeException(context.toString()
                + " must implement OnFragmentInteractionListener");
    }
}

@Override
public void onDetach() {
    super.onDetach();
    mListener = null;
}

@Override
public boolean onDown(MotionEvent e) {
    return false;
}

@Override
public void onShowPress(MotionEvent e) {

}

@Override
public boolean onSingleTapUp(MotionEvent e) {
    return false;
}

@Override
public boolean onScroll(MotionEvent e1, MotionEvent e2, float distanceX, float distanceY) {
    return false;
}

@Override
public void onLongPress(MotionEvent e) {

}

@Override
public boolean onFling(MotionEvent e1, MotionEvent e2, float velocityX, float velocityY) {
    boolean result=false;
    float diffX=e2.getX()-e1.getX();
    //diffX<0 means swipe right to left.
    if(diffX<0){
        result=true;
    }
    return result;
}
```

```java
    public interface OnFragmentInteractionListener {
        void onFragmentInteraction(String meat,ArrayList<String> fiber);
    }
}
```

Java Code for FragmentTwo

```java
package com.example.assignment3task2;

import android.content.Context;
import android.net.Uri;
import android.os.Bundle;

import androidx.fragment.app.Fragment;

import android.util.Log;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.AdapterView;
import android.widget.ArrayAdapter;
import android.widget.CheckBox;
import android.widget.Spinner;
import android.widget.TextView;

import java.lang.reflect.Array;
import java.util.ArrayList;
import java.util.HashMap;


public class FragmentTwo extends Fragment {

    private static final String ARG_PARAM1 = "selected_meat";
    private static final String ARG_PARAM2 = "selected_fiber";


    // TODO: Rename and change types of parameters
    private String selected_meat;
    private ArrayList<String> selected_fiber;
    private String temp;
    private Double initialPrice=0.0;


    //Junk
    private String[] junkID;
    private CheckBox[] checkBoxes_junk;
    private String selected_junk=""; //implement an update method to dynamically change the summary

    //Size
    private boolean isSize=false;
    static private double selected_size;
    private Spinner spinner;
    private ArrayAdapter<String> adapter;
    private String sizeDefault="Small";
    private String[] size;

    //HashMap
    private HashMap<String,Double> junk;
    private HashMap<String,Double> sizeHash;
    private HashMap<String,Double> meatHash; //placed in second fragment
    private HashMap<String,Double> fiberHash; //placed in second fragment
```

```java
//widgets
private TextView summary,price;
private String initialSummary="";

public FragmentTwo() {
    // Required empty public constructor
}


public static FragmentTwo newInstance(String param1, ArrayList<String> param2) {
    FragmentTwo fragment = new FragmentTwo();
    Bundle args = new Bundle();
    args.putString(ARG_PARAM1, param1);
    args.putStringArrayList(ARG_PARAM2, param2);
    fragment.setArguments(args);
    return fragment;
}

@Override
public void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    if (getArguments() != null) {
        selected_meat = getArguments().getString(ARG_PARAM1);
        selected_fiber = getArguments().getStringArrayList(ARG_PARAM2);
    }
    initHashMap();
    initPrice();
}
private void initMain(View view,ViewGroup container){
    price=view.findViewById(R.id.price);
    initSummary(view);
    updatePrice();
    initJunk(view);
    initSpinner(view,container);
}
private void initHashMap(){
    //junk
    junk=new HashMap<>();
    junk.put("Cheese",1.00);
    junk.put("Mayonaise",0.50);
    junk.put("Mustard",0.70);

    //size
    sizeHash=new HashMap<>();
    sizeHash.put("Regular",1.2);
    sizeHash.put("Small",1.0);
    sizeHash.put("Large",1.3);
    sizeHash.put("Gigantic",1.5);

    //meat
    meatHash=new HashMap<>();
    meatHash.put("beef",4.50);
    meatHash.put("chicken",3.00);
    meatHash.put("fish",4.00);
    meatHash.put("egg",2.00);

    //fiber
    fiberHash=new HashMap<>();
    fiberHash.put("veg",0.50);
}
```

```java
private void initPrice(){
    initialPrice+=meatHash.get(selected_meat);
    double temp=fiberHash.get("veg");
    switch(selected_fiber.size()){
        case 0:
            break;
        case 1:
            initialPrice+=temp;
            break;
        case 2:
            initialPrice+=(temp*2);
            break;
        case 3:
            initialPrice+=(temp*2);
            break;
    }
}
private void updateSummary(){
    if(selected_fiber.size()!=0){
        initialSummary=selected_meat+" with "+temp+" top up with "+selected_junk;
    }else{
        initialSummary=selected_meat+" top up with "+selected_junk;
    }
    summary.setText(initialSummary);
}
private void initSummary(View view){
    summary=view.findViewById(R.id.summary);
    getVeg();
    if(selected_fiber.size()!=0){
        initialSummary=selected_meat+" with "+temp+" top up with ";
    }else{
        initialSummary=selected_meat+" top up with ";
    }
    summary.setText(initialSummary);
}
private void initJunk(View view){
    junkID=view.getResources().getStringArray(R.array.junk);
    checkBoxes_junk=new CheckBox[junkID.length];
    for(int i=0;i<junkID.length;i++){
        int id=getResources().getIdentifier(junkID[i],"id",view.getContext().getPackageName());
        checkBoxes_junk[i]=view.findViewById(id);
        checkBoxes_junk[i].setOnClickListener(new View.OnClickListener(){
            @Override
            public void onClick(View v) {
                if(((CheckBox)v).isChecked()){
                    checkChanges();
                    getJunk();
                    updateSummary();

                }else{
                    checkChanges();
                    getJunk();
                    updateSummary();
                }
            }
        });
    }
}
private void getJunk(){
    ArrayList<String> temp=new ArrayList<>();
```

```java
        selected_junk="";
        for(int i=0;i<checkBoxes_junk.length;i++){
            if(checkBoxes_junk[i].isChecked()){
                temp.add(checkBoxes_junk[i].getText().toString());
            }
        }
        for(int i=0;i<temp.size();i++){
            if(i!=temp.size()-1){
                selected_junk+=temp.get(i)+",";
            }else{
                selected_junk+=temp.get(i);
            }
        }
        selected_junk=selected_junk.toLowerCase();
    }
    private void getVeg(){
        temp="";
        for(int i=0;i<selected_fiber.size();i++){
            if(i!=selected_fiber.size()-1){
                temp+=selected_fiber.get(i)+",";
            }else{
                temp+=selected_fiber.get(i);
            }
        }

    }


    private void initSpinner(View view,ViewGroup container){
        size=view.getResources().getStringArray(R.array.sizes);
        spinner=view.findViewById(R.id.spinner);
        adapter=new ArrayAdapter<String>(container.getContext(),android.R.layout
                .simple_spinner_item,size);
        adapter.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spinner.setAdapter(adapter);
        spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {
            @Override
            public void onItemSelected(AdapterView<?> parent, View view, int position, long id) {
                sizeDefault=spinner.getSelectedItem().toString();
                checkChanges();
            }

            @Override
            public void onNothingSelected(AdapterView<?> parent) {
                sizeDefault="Small";
            }
        });
    }

    private void updatePrice(){
        price.setText(String.format("RM%.2f",initialPrice));
    }

    private void checkChanges(){
        initialPrice=0.0;
        initPrice();
        for(int i=0;i<checkBoxes_junk.length;i++){
            if(checkBoxes_junk[i].isChecked()){
                initialPrice+=junk.get(checkBoxes_junk[i].getText().toString());
            }
```

```java
        }
        initialPrice*=sizeHash.get(sizeDefault);
        updatePrice();

    }
    @Override
    public View onCreateView(LayoutInflater inflater, ViewGroup container,
                    Bundle savedInstanceState) {
        View view=inflater.inflate(R.layout.fragment_two, container, false);
        initMain(view,container);
        return view;
    }
}
```