|  |
| --- |
| Your Cystic Fibrosis Application |
| Technical manual   Name: Lorcan BerminghamStudent Number: C00196903November 6, 2017 |

### Tutor: Dr Joseph Keogh

Contents

[Common 4](#_Toc511735059)

[Common 4](#_Toc511735060)

[Database 4](#_Toc511735061)

[Database 4](#_Toc511735062)

[ItemClickListener 5](#_Toc511735063)

[ItemClickListener 5](#_Toc511735064)

[Models 6](#_Toc511735065)

[ActivityType 6](#_Toc511735066)

[Category 7](#_Toc511735067)

[CategoryActivity 7](#_Toc511735068)

[Food 8](#_Toc511735069)

[MedicalProfile 9](#_Toc511735070)

[Selection 10](#_Toc511735071)

[Spirometer 11](#_Toc511735072)

[User 12](#_Toc511735073)

[Viewholder 13](#_Toc511735074)

[Activity 13](#_Toc511735075)

[ActivityDetail 15](#_Toc511735076)

[ActivityList 16](#_Toc511735077)

[Diary 18](#_Toc511735078)

[FoodDetail 19](#_Toc511735079)

[FoodList 22](#_Toc511735080)

[Home 25](#_Toc511735081)

[InformationPage1 28](#_Toc511735082)

[InformationPage2 29](#_Toc511735083)

[MainActivity 29](#_Toc511735084)

[Medical 30](#_Toc511735085)

[SignIn 31](#_Toc511735086)

[SignUp 33](#_Toc511735087)

[spirometerTest 34](#_Toc511735088)

[Layout 37](#_Toc511735089)

[Activity\_xml 37](#_Toc511735090)

[Activity\_detail 37](#_Toc511735091)

[Activity\_diary 40](#_Toc511735092)

[Activity\_food\_detail 41](#_Toc511735093)

[Activity\_food\_list 43](#_Toc511735094)

[Activity\_home 44](#_Toc511735095)

[Activity\_item 44](#_Toc511735096)

[Activity\_list 45](#_Toc511735097)

[Activity\_main 45](#_Toc511735098)

[Activity\_medical\_profile 47](#_Toc511735099)

[Activity\_sign\_in 48](#_Toc511735100)

[Activity\_sign\_up 50](#_Toc511735101)

[Activity\_spirometer 51](#_Toc511735102)

[App\_bar\_home 54](#_Toc511735103)

[Content\_home 54](#_Toc511735104)

[Food\_item 55](#_Toc511735105)

[Menu\_item 55](#_Toc511735106)

[Nav\_header\_home 56](#_Toc511735107)

[Selection\_home 56](#_Toc511735108)

[Information\_page\_1 57](#_Toc511735109)

[Information\_page\_2 58](#_Toc511735110)

[Gradle 59](#_Toc511735111)

[Build.gradle(project) 59](#_Toc511735112)

[Build.gradle(module app) 60](#_Toc511735113)

# Common

## Common

**package** com.example.lorcan.yourcf.Common;  
  
**import** com.example.lorcan.yourcf.Model.User;  
  
*/\*\*  
 \* Created by Lorcan on 08/03/2018.  
 \*/***public class** Common {  
 **public static** User *currentUser*;  
}

# Database

## Database

**package** com.example.lorcan.yourcf.Database;  
  
**import** android.content.Context;  
**import** android.database.Cursor;  
**import** android.database.sqlite.SQLiteDatabase;  
**import** android.database.sqlite.SQLiteQueryBuilder;  
  
**import** com.example.lorcan.yourcf.Model.Selection;  
**import** com.readystatesoftware.sqliteasset.SQLiteAssetHelper;  
  
**import** java.util.ArrayList;  
**import** java.util.List;  
  
**public class** Database **extends** SQLiteAssetHelper {  
  
 **private static final** String ***DB\_NAME***=**"FoodDB.db"**;  
 **private static final int *DB\_VER*** = 1;  
  
 **public** Database(Context context) {  
 **super**(context, ***DB\_NAME***, **null**, ***DB\_VER***);  
 }  
  
 **public** List<Selection> getSelections()  
 {  
 SQLiteDatabase db = getReadableDatabase();  
 SQLiteQueryBuilder qb = **new** SQLiteQueryBuilder();  
  
 String [] sqlSelect = {**"ProductName"**,**"Quantity"**,**"Calories"**,**"CalorieAmount"**};  
 String sqlTable = **"SelectionDetail"**;  
  
 qb.setTables(sqlTable);  
  
 Cursor c = qb.query(db,sqlSelect,**null**,**null**,**null**,**null**,**null**);  
  
 **final** List<Selection> result = **new** ArrayList<>();  
  
 **if**(c.moveToFirst())  
 {  
 **do**{  
 result.add(**new** Selection(c.getString(c.getColumnIndex(**"ProductId"**)),  
 c.getString(c.getColumnIndex(**"ProductName"**)),  
 c.getString(c.getColumnIndex(**"Quantity"**)),  
 c.getString(c.getColumnIndex(**"Calories"**)),  
 c.getString(c.getColumnIndex(**"CalorieAmount"**))  
  
  
  
  
 ));  
 }**while**(c.moveToNext());  
 }  
 **return** result;  
 }  
  
 **public void** addToSelection (Selection selection)  
 {  
 SQLiteDatabase db = getReadableDatabase();  
 String query = String.*format*(**"INSERT INTO SelectionDetail(ProductId,ProductName,Quantity,Calories,CalorieAmount) VALUES('%S','%S','%S','%S','%S',);"**,  
 selection.getProductid(),  
 selection.getProductName(),  
 selection.getCalories(),  
 selection.getCalorieAmount());  
 db.execSQL(query);  
 }  
  
 **public void** cleanSelection (Selection selection)  
 {  
 SQLiteDatabase db = getReadableDatabase();  
 String query = String.*format*(**"DELETE FROM SelectionDetail"**);  
 db.execSQL(query);  
 }  
}

# ItemClickListener

## ItemClickListener

**package** com.example.lorcan.yourcf.Interface;  
  
**import** android.view.View;  
  
*/\*\*  
 \* Created by Lorcan on 09/03/2018.  
 \*/***public interface** ItemClickListener {  
 **void** onClick(View view, **int** position, **boolean** isLongClick);  
}

# Models

## ActivityType

**package** com.example.lorcan.yourcf.Model;  
  
*/\*\*  
 \* Created by lorcan on 04/04/18.  
 \*/***public class** ActivityType {  
  
 **private** String **IntensityOfActivity**,**Duration**,**Image**, **ActivityMenuId**,**Name**,**HeartRate**,**About**;  
  
 **public** ActivityType() {  
 }  
  
 **public** ActivityType(String intensityOfActivity, String duration, String image, String activityMenuId, String name, String heartRate, String about) {  
 **IntensityOfActivity** = intensityOfActivity;  
 **Duration** = duration;  
 **Image** = image;  
 **ActivityMenuId** = activityMenuId;  
 **Name** = name;  
 **HeartRate** = heartRate;  
 **About** = about;  
 }  
  
 **public** String getIntensityOfActivity() {  
 **return IntensityOfActivity**;  
 }  
  
 **public void** setIntensityOfActivity(String intensityOfActivity) {  
 **IntensityOfActivity** = intensityOfActivity;  
 }  
  
 **public** String getDuration() {  
 **return Duration**;  
 }  
  
 **public void** setDuration(String duration) {  
 **Duration** = duration;  
 }  
  
 **public** String getImage() {  
 **return Image**;  
 }  
  
 **public void** setImage(String image) {  
 **Image** = image;  
 }  
  
 **public** String getActivityMenuId() {  
 **return ActivityMenuId**;  
 }  
  
 **public void** setActivityMenuId(String activityMenuId) {  
 **ActivityMenuId** = activityMenuId;  
 }  
  
 **public** String getName() {  
 **return Name**;  
 }  
  
 **public void** setName(String name) {  
 **Name** = name;  
 }  
  
 **public** String getHeartRate() {  
 **return HeartRate**;  
 }  
  
 **public void** setHeartRate(String heartRate) {  
 **HeartRate** = heartRate;  
 }  
  
 **public** String getAbout() {  
 **return About**;  
 }  
  
 **public void** setAbout(String about) {  
 **About** = about;  
 }  
}

## Category

**package** com.example.lorcan.yourcf.Model;  
  
*/\*\*  
 \* Created by Lorcan on 09/03/2018.  
 \*/***public class** Category {  
 **private** String **Name**;  
 **private** String **Image**;  
  
 **public** Category() {  
 }  
  
 **public** Category(String name, String image) {  
 **Name** = name;  
 **Image** = image;  
 }  
  
 **public** String getName() {  
 **return Name**;  
 }  
  
 **public void** setName(String name) {  
 **Name** = name;  
 }  
  
 **public** String getImage() {  
 **return Image**;  
 }  
  
 **public void** setImage(String image) {  
 **Image** = image;  
 }  
}

## CategoryActivity

**package** com.example.lorcan.yourcf.Model;  
  
*/\*\*  
 \* Created by Lorcan on 11/03/2018.  
 \*/***public class** CategoryActivity {  
  
 **private** String **Name**;  
 **private** String **Image**;  
  
 **public** CategoryActivity() {  
 }  
  
 **public** CategoryActivity(String name, String image) {  
 **Name** = name;  
 **Image** = image;  
 }  
  
 **public** String getName() {  
 **return Name**;  
 }  
  
 **public void** setName(String name) {  
 **Name** = name;  
 }  
  
 **public** String getImage() {  
 **return Image**;  
 }  
  
 **public void** setImage(String image) {  
 **Image** = image;  
 }  
}

## Food

**package** com.example.lorcan.yourcf.Model;  
  
*/\*\*  
 \* Created by Lorcan on 03/04/2018.  
 \*/***public class** Food {  
  
 **private** String **Cal**,**Description**,**OverallCalAmount**,**Image**,**MenuId**,**Name**;  
  
 **public** Food() {  
 }  
  
 **public** Food(String cal, String description, String overallCalAmount, String image, String menuId, String name) {  
 **Cal** = cal;  
 **Description** = description;  
 **OverallCalAmount** = overallCalAmount;  
 **Image** = image;  
 **MenuId** = menuId;  
 **Name** = name;  
 }  
  
 **public** String getCal() {  
 **return Cal**;  
 }  
  
 **public void** setCal(String cal) {  
 **Cal** = cal;  
 }  
  
 **public** String getDescription() {  
 **return Description**;  
 }  
  
 **public void** setDescription(String description) {  
 **Description** = description;  
 }  
  
 **public** String getOverallCalAmount() {  
 **return OverallCalAmount**;  
 }  
  
 **public void** setOverallCalAmount(String overallCalAmount) {  
 **OverallCalAmount** = overallCalAmount;  
 }  
  
 **public** String getImage() {  
 **return Image**;  
 }  
  
 **public void** setImage(String image) {  
 **Image** = image;  
 }  
  
 **public** String getMenuId() {  
 **return MenuId**;  
 }  
  
 **public void** setMenuId(String menuId) {  
 **MenuId** = menuId;  
 }  
  
 **public** String getName() {  
 **return Name**;  
 }  
  
 **public void** setName(String name) {  
 **Name** = name;  
 }  
}

## MedicalProfile

**package** com.example.lorcan.yourcf.Model;  
  
*/\*\*  
 \* Created by lorcan on 09/03/18.  
 \*/***public class** MedicalProfile {  
  
 **private** String **DOB**;  
 **private** String **siblingWithCf**;  
 **private** String **cfDiabetes**;  
 **private** String **ageOfPrognosis**;  
  
 **public** MedicalProfile() {  
 }  
  
 **public** MedicalProfile(String DOB, String siblingWithCf, String cfDiabetes, String ageOfPrognosis) {  
 **this**.**DOB** = DOB;  
 **this**.**siblingWithCf** = siblingWithCf;  
 **this**.**cfDiabetes** = cfDiabetes;  
 **this**.**ageOfPrognosis** = ageOfPrognosis;  
 }  
  
 **public** String getDOB() {  
 **return DOB**;  
 }  
  
 **public void** setDOB(String DOB) {  
 **this**.**DOB** = DOB;  
 }  
  
 **public** String getSiblingWithCf() {  
 **return siblingWithCf**;  
 }  
  
 **public void** setSiblingWithCf(String siblingWithCf) {  
 **this**.**siblingWithCf** = siblingWithCf;  
 }  
  
 **public** String getCfDiabetes() {  
 **return cfDiabetes**;  
 }  
  
 **public void** setCfDiabetes(String cfDiabetes) {  
 **this**.**cfDiabetes** = cfDiabetes;  
 }  
  
 **public** String getAgeOfPrognosis() {  
 **return ageOfPrognosis**;  
 }  
  
 **public void** setAgeOfPrognosis(String ageOfPrognosis) {  
 **this**.**ageOfPrognosis** = ageOfPrognosis;  
 }  
}

## Selection

**package** com.example.lorcan.yourcf.Model;  
  
**public class** Selection {  
 **private** String **Productid**, **ProductName**,**Quantity**,**Calories**,**CalorieAmount**;  
  
 **public** Selection() {  
 }  
  
 **public** Selection(String productid, String productName, String quantity, String calories, String calorieAmount) {  
 **Productid** = productid;  
 **ProductName** = productName;  
 **Quantity** = quantity;  
 **Calories** = calories;  
 **CalorieAmount** = calorieAmount;  
 }  
  
 **public** String getProductid() {  
 **return Productid**;  
 }  
  
 **public void** setProductid(String productid) {  
 **Productid** = productid;  
 }  
  
 **public** String getProductName() {  
 **return ProductName**;  
 }  
  
 **public void** setProductName(String productName) {  
 **ProductName** = productName;  
 }  
  
 **public** String getQuantity() {  
 **return Quantity**;  
 }  
  
 **public void** setQuantity(String quantity) {  
 **Quantity** = quantity;  
 }  
  
 **public** String getCalories() {  
 **return Calories**;  
 }  
  
 **public void** setCalories(String calories) {  
 **Calories** = calories;  
 }  
  
 **public** String getCalorieAmount() {  
 **return CalorieAmount**;  
 }  
  
 **public void** setCalorieAmount(String calorieAmount) {  
 **CalorieAmount** = calorieAmount;  
 }  
}

## Spirometer

**package** com.example.lorcan.yourcf.Model;  
  
*/\*\*  
 \* Created by lorcan on 14/03/18.  
 \*/***public class** Spirometer {  
  
 **private** String **Time**;  
 **private** String **SpirometerResult**;  
  
 **public** Spirometer() {  
 }  
  
 **public** Spirometer(String time, String spirometerResult) {  
 **Time** = time;  
 **SpirometerResult** = spirometerResult;  
 }  
  
 **public** String getTime() {  
 **return Time**;  
 }  
  
 **public void** setTime(String time) {  
 **Time** = time;  
 }  
  
 **public** String getSpirometerResult() {  
 **return SpirometerResult**;  
 }  
  
 **public void** setSpirometerResult(String spirometerResult) {  
 **SpirometerResult** = spirometerResult;  
 }  
}

## User

**package** com.example.lorcan.yourcf.Model;  
  
*/\*\*  
 \* Created by Lorcan on 07/03/2018.  
 \*/***public class** User {  
  
 **private** String **Email**;  
 **private** String **FirstName**;  
 **private** String **LastName**;  
 **private** String **Password**;  
 **private** String **Phone**;  
  
 **public** User() {  
 }  
  
 **public** User(String email, String firstName, String lastName, String password) {  
 **Email** = email;  
 **FirstName** = firstName;  
 **LastName** = lastName;  
 **Password** = password;  
 }  
  
 **public** String getPhone() {  
 **return Phone**;  
 }  
  
 **public void** setPhone(String phone) {  
 **Phone** = phone;  
 }  
  
 **public** String getEmail() {  
 **return Email**;  
 }  
  
 **public void** setEmail(String email) {  
 **Email** = email;  
 }  
  
 **public** String getFirstName() {  
 **return FirstName**;  
 }  
  
 **public void** setFirstName(String firstName) {  
 **FirstName** = firstName;  
 }  
  
 **public** String getLastName() {  
 **return LastName**;  
 }  
  
 **public void** setLastName(String lastName) {  
 **LastName** = lastName;  
 }  
  
 **public** String getPassword() {  
 **return Password**;  
 }  
  
 **public void** setPassword(String password) {  
 **Password** = password;  
 }  
}

# Viewholder

## Activity

**package** com.example.lorcan.yourcf;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.support.v7.widget.LinearLayoutManager;  
**import** android.support.v7.widget.RecyclerView;  
**import** android.support.v7.widget.Toolbar;  
**import** android.view.Menu;  
**import** android.view.MenuItem;  
**import** android.view.View;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.example.lorcan.yourcf.Interface.ItemClickListener;  
**import** com.example.lorcan.yourcf.Model.Category;  
**import** com.example.lorcan.yourcf.Model.CategoryActivity;  
**import** com.example.lorcan.yourcf.ViewHolder.MenuViewHolder;  
**import** com.firebase.ui.database.FirebaseRecyclerAdapter;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.squareup.picasso.Picasso;  
  
**public class** Activity **extends** AppCompatActivity {  
  
 FirebaseDatabase **database**;  
 DatabaseReference **category**;  
  
 TextView **txtFirstName**;  
  
 RecyclerView **recyler\_menu**;  
 RecyclerView.LayoutManager **layoutManager**;  
  
 FirebaseRecyclerAdapter<CategoryActivity,MenuViewHolder> **adapter**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_home***);  
 Toolbar toolbar = (Toolbar) findViewById(R.id.***toolbar***);  
 toolbar.setTitle(**"Your CF"**);  
 setSupportActionBar(toolbar);  
  
 *//Init Firebase* **database** = FirebaseDatabase.*getInstance*();  
 **category** = **database**.getReference(**"CategoryActivity"**);  
  
 *//load menu* **recyler\_menu** = (RecyclerView)findViewById(R.id.***recyler\_menu***);  
 **recyler\_menu**.setHasFixedSize(**true**);  
 **layoutManager** = **new** LinearLayoutManager(**this**);  
 **recyler\_menu**.setLayoutManager(**layoutManager**);  
  
 loadMenu();  
 }  
  
 **private void** loadMenu() {  
  
 **adapter** = **new** FirebaseRecyclerAdapter<CategoryActivity, MenuViewHolder>(CategoryActivity.**class**,R.layout.***menu\_item***,MenuViewHolder.**class**,**category**) {  
 @Override  
 **protected void** populateViewHolder(MenuViewHolder viewHolder, CategoryActivity model, **int** position) {  
 viewHolder.**txtMenuName**.setText(model.getName());  
 Picasso.*with*(getBaseContext()).load(model.getImage()).into(viewHolder.**imageView**);  
  
 **final** CategoryActivity clickItem = model;  
 viewHolder.setItemClickListener(**new** ItemClickListener() {  
 @Override  
 **public void** onClick(View view, **int** position, **boolean** isLongClick) {  
  
  
 Intent foodList = **new** Intent(Activity.**this**, ActivityList.**class**);  
 *//because CategoryId is key so we just get the key* foodList.putExtra(**"CategoryId"**,**adapter**.getRef(position).getKey());  
 startActivity(foodList);  
 }  
 });  
 }  
 };  
 **recyler\_menu**.setAdapter(**adapter**);  
 }  
  
 @Override  
 **public boolean** onOptionsItemSelected(MenuItem item) {  
 *// Handle action bar item clicks here. The action bar will  
 // automatically handle clicks on the Home/Up button, so long  
 // as you specify a parent activity in AndroidManifest.xml.  
 // int id = item.getItemId();  
  
 //noinspection SimplifiableIfStatement  
 //if (id == R.id.action\_settings) {  
 // return true;  
 //}* **return super**.onOptionsItemSelected(item);  
 }  
 @Override  
 **public void** onBackPressed() {  
 startActivity(**new** Intent(Activity.**this**, Home.**class**));  
 finish();  
 }  
  
}

## ActivityDetail

**package** com.example.lorcan.yourcf;  
  
**import** android.support.design.widget.CollapsingToolbarLayout;  
**import** android.support.design.widget.FloatingActionButton;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.widget.ImageView;  
**import** android.widget.TextView;  
  
**import** com.cepheuen.elegantnumberbutton.view.ElegantNumberButton;  
**import** com.example.lorcan.yourcf.Model.ActivityType;  
**import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.google.firebase.database.ValueEventListener;  
**import** com.squareup.picasso.Picasso;  
  
**public class** ActivityDetail **extends** AppCompatActivity {  
  
 TextView **activity\_name**, **intensity\_of\_activity**,**activity\_description**;  
 ImageView **activity\_image**;  
 CollapsingToolbarLayout **collapsingToolbarLayout**;  
 ElegantNumberButton **activityNumberButton**;  
 FloatingActionButton **btn\_activity**;  
  
  
  
 String **activityId**=**""**;  
  
 FirebaseDatabase **database**;  
 DatabaseReference **activity**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_detail***);  
  
 *//firebase* **database** = FirebaseDatabase.*getInstance*();  
 **activity** = **database**.getReference(**"ActivityType"**);  
  
 *//init* **activityNumberButton** = (ElegantNumberButton)findViewById(R.id.***activity\_number\_button***);  
 **btn\_activity** = (FloatingActionButton)findViewById(R.id.***btn\_activity***);  
  
 **activity\_name** = (TextView)findViewById(R.id.***activity\_name***);  
 **intensity\_of\_activity** = (TextView)findViewById(R.id.***intensity\_of\_activity***);  
 **activity\_description** = (TextView)findViewById(R.id.***activity\_description***);  
 *//activity\_image = (ImageView)findViewById(R.id.activity\_image);* **collapsingToolbarLayout** = (CollapsingToolbarLayout)findViewById(R.id.***collapsing***);  
 **collapsingToolbarLayout**.setExpandedTitleTextAppearance(R.style.***ExpandedAppbar***);  
 **collapsingToolbarLayout**.setCollapsedTitleTextAppearance(R.style.***CollapsedAppbar***);  
   
 *//get activity id from intent* **if**(getIntent()!= **null**)  
 {  
 **activityId** = getIntent().getStringExtra(**"ActivityId"**);  
 }  
 **if**(!**activityId**.isEmpty())  
 {  
 getDetailActivity(**activityId**);  
 }  
  
 }  
  
 **private void** getDetailActivity(String activityId) {  
 **activity**.child(activityId).addValueEventListener(**new** ValueEventListener() {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot) {  
 ActivityType active = dataSnapshot.getValue(ActivityType.**class**);  
  
 *//set image  
 //Picasso.with(getBaseContext()).load(active.getImage()).into(activity\_image);* **collapsingToolbarLayout**.setTitle(active.getName());  
  
 **intensity\_of\_activity**.setText(active.getIntensityOfActivity());  
  
 **activity\_name**.setText(active.getName());  
  
 **activity\_description**.setText(active.getAbout());  
 }  
  
 @Override  
 **public void** onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 }  
  
}

## ActivityList

**package** com.example.lorcan.yourcf;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.support.v7.widget.LinearLayoutManager;  
**import** android.support.v7.widget.RecyclerView;  
**import** android.view.View;  
  
**import** com.example.lorcan.yourcf.Interface.ItemClickListener;  
**import** com.example.lorcan.yourcf.Model.ActivityType;  
**import** com.example.lorcan.yourcf.Model.Food;  
**import** com.example.lorcan.yourcf.ViewHolder.ActivityViewHolder;  
**import** com.example.lorcan.yourcf.ViewHolder.FoodViewHolder;  
**import** com.firebase.ui.database.FirebaseRecyclerAdapter;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.squareup.picasso.Picasso;  
  
**public class** ActivityList **extends** AppCompatActivity {  
  
 RecyclerView **recyclerView**;  
 RecyclerView.LayoutManager **layoutManager**;  
  
 FirebaseDatabase **database**;  
 DatabaseReference **activityList**;  
  
 String **ActivityCategoryId**=**""**;  
  
 FirebaseRecyclerAdapter<ActivityType,ActivityViewHolder> **adapter**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_list***);  
  
 *// firebase* **database** = FirebaseDatabase.*getInstance*();  
 **activityList** = **database**.getReference(**"ActivityType"**);  
  
 **recyclerView** = (RecyclerView)findViewById(R.id.***recyler\_activity***);  
 **recyclerView**.setHasFixedSize(**true**);  
 **layoutManager** = **new** LinearLayoutManager(**this**);  
 **recyclerView**.setLayoutManager(**layoutManager**);  
  
 **if**(getIntent() != **null**){  
 **ActivityCategoryId** = getIntent().getStringExtra(**"CategoryId"**);  
 }  
 **if**(!**ActivityCategoryId**.isEmpty() &&**ActivityCategoryId** != **null**){  
 loadActivityList(**ActivityCategoryId**);  
 }  
  
  
 }  
  
 **private void** loadActivityList(String ActivityCategoryId) {  
  
 **adapter** = **new** FirebaseRecyclerAdapter<ActivityType, ActivityViewHolder>(ActivityType.**class**,R.layout.***activity\_item***,ActivityViewHolder.**class**,**activityList**.orderByChild(**"ActivityMenuId"**).equalTo(ActivityCategoryId)) {  
 @Override  
 **protected void** populateViewHolder(ActivityViewHolder viewHolder, ActivityType model, **int** position) {  
  
 viewHolder.**activity\_name**.setText(model.getName());  
 Picasso.*with*(getBaseContext()).load(model.getImage()).into(viewHolder.**activity\_image**);  
  
 **final** ActivityType local = model;  
 viewHolder.setItemClickListener(**new** ItemClickListener() {  
 @Override  
 **public void** onClick(View view, **int** position, **boolean** isLongClick) {  
 *//start new activity* Intent activityDetail = **new** Intent(ActivityList.**this**,ActivityDetail.**class**);  
 activityDetail.putExtra(**"ActivityId"**,**adapter**.getRef(position).getKey());  
 startActivity(activityDetail);  
  
 *//Toast.makeText(FoodList.this, ""+local.getName(), Toast.LENGTH\_SHORT).show();* }  
 });  
  
 }  
 };  
 **recyclerView**.setAdapter(**adapter**);  
  
 }  
}

## Diary

**package** com.example.lorcan.yourcf;  
  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.support.v7.widget.LinearLayoutManager;  
**import** android.support.v7.widget.RecyclerView;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
  
**import** com.example.lorcan.yourcf.Database.Database;  
**import** com.example.lorcan.yourcf.Model.Selection;  
**import** com.example.lorcan.yourcf.ViewHolder.SelectionAdapter;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
  
**import** java.text.NumberFormat;  
**import** java.util.ArrayList;  
**import** java.util.List;  
**import** java.util.Locale;  
  
**public class** Diary **extends** AppCompatActivity {  
  
 RecyclerView **recyclerView**;  
 RecyclerView.LayoutManager **layoutManager**;  
  
 FirebaseDatabase **database**;  
 DatabaseReference **request**;  
  
 TextView **txtSelection**;  
 Button **btnPlace**;  
  
 List<Selection> **listDate** = **new** ArrayList<>();  
  
 SelectionAdapter **adapter**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_diary***);  
  
 *//Firebase* **database** = FirebaseDatabase.*getInstance*();  
 **request** = **database**.getReference(**"Requests"**);  
  
 *//init* **recyclerView** = (RecyclerView)findViewById(R.id.***listDiary***);  
 **recyclerView**.setHasFixedSize(**true**);  
 **layoutManager** = **new** LinearLayoutManager(**this**);  
 **recyclerView**.setLayoutManager(**layoutManager**);  
  
 **txtSelection** = (TextView)findViewById(R.id.***total***);  
 **btnPlace** = (Button)findViewById(R.id.***btnAddDiary***);  
  
 loadListFood();  
 }  
  
 **private void** loadListFood() {  
 **listDate** = **new** Database(**this**).getSelections();  
 **adapter** = **new** SelectionAdapter(**listDate**,**this**);  
 **recyclerView**.setAdapter(**adapter**);  
  
 **int** total = 0;  
 **for**(Selection selection:**listDate**){  
 total+=(Integer.*parseInt*(selection.getCalorieAmount()))\*(Integer.*parseInt*(selection.getQuantity()));  
 Locale locale = **new** Locale(**"en"**,**"US"**);  
 NumberFormat fmt =NumberFormat.*getCurrencyInstance*(locale);  
 **txtSelection**.setText(fmt.format(total));  
 }  
  
 }  
}

## FoodDetail

**package** com.example.lorcan.yourcf;  
  
**import** android.support.design.widget.CollapsingToolbarLayout;  
**import** android.support.design.widget.FloatingActionButton;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.ImageView;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.cepheuen.elegantnumberbutton.view.ElegantNumberButton;  
**import** com.example.lorcan.yourcf.Database.Database;  
**import** com.example.lorcan.yourcf.Model.Food;  
**import** com.example.lorcan.yourcf.Model.Selection;  
**import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.google.firebase.database.ValueEventListener;  
**import** com.squareup.picasso.Picasso;  
  
**public class** FoodDetail **extends** AppCompatActivity {  
  
 */\*TextView food\_name, food\_description, food\_amount;  
 ImageView food\_image;  
 CollapsingToolbarLayout collapsingToolbarLayout;  
 FloatingActionButton btnFood; // keep an eye on for errors  
 ElegantNumberButton numberButton;  
  
 String foodId="";  
  
 FirebaseDatabase database;  
 DatabaseReference foods;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_food\_detail);  
  
 //Firebase  
 database = FirebaseDatabase.getInstance();  
 foods = database.getReference("Foods");  
  
 //Init View  
 numberButton = (ElegantNumberButton)findViewById(R.id.number\_button);  
 btnFood = (FloatingActionButton)findViewById(R.id.btnFood);  
  
 food\_description = (TextView)findViewById(R.id.food\_description);  
 food\_name = (TextView)findViewById(R.id.food\_name);  
 food\_amount = (TextView)findViewById(R.id.food\_amount);  
 food\_image = (ImageView)findViewById(R.id.food\_image);  
  
 collapsingToolbarLayout = (CollapsingToolbarLayout)findViewById(R.id.collapsing);  
 collapsingToolbarLayout.setExpandedTitleTextAppearance(R.style.ExpandedAppbar);  
 collapsingToolbarLayout.setCollapsedTitleTextAppearance(R.style.CollapsedAppbar);  
  
 //get food ide from intent  
 if(getIntent() != null)  
 {  
 foodId = getIntent().getStringExtra("FoodId");  
 }  
 if(!foodId.isEmpty())  
 {  
 getDetailFood(foodId);  
 }  
  
 }  
  
 private void getDetailFood(String foodId) {  
  
 foods.child(foodId).addValueEventListener(new ValueEventListener() {  
 @Override  
 public void onDataChange(DataSnapshot dataSnapshot) {  
 Food food = dataSnapshot.getValue(Food.class);  
  
 //set image  
 Picasso.with(getBaseContext()).load(food.getImage()).into(food\_image);  
  
 collapsingToolbarLayout.setTitle(food.getName());  
  
 food\_amount.setText(food.getCal());  
  
 food\_name.setText(food.getName());  
  
 food\_description.setText(food.getDescription());  
  
  
 }  
  
 @Override  
 public void onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 }\*/* TextView **food\_name**,**food\_price**,**food\_description**;  
 ImageView **food\_image**;  
 CollapsingToolbarLayout **collapsingToolbarLayout**;  
 FloatingActionButton **btnCart**;  
 ElegantNumberButton **numberButton**;  
  
 String **foodId**=**""**;  
  
 FirebaseDatabase **database**;  
 DatabaseReference **foods**;  
  
 Food **currentFood**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_food\_detail***);  
  
 *//firebase* **database** = FirebaseDatabase.*getInstance*();  
 **foods** = **database**.getReference(**"Foods"**);  
  
 *//init view* **numberButton** = (ElegantNumberButton)findViewById(R.id.***number\_button***);  
 **btnCart** = (FloatingActionButton)findViewById(R.id.***btnFood***);  
  
 **btnCart**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 **new** Database(getBaseContext()).addToSelection(**new** Selection(  
 **foodId**,  
 **currentFood**.getName(),  
 **numberButton**.getNumber(),  
 **currentFood**.getCal(), *// make sure that they are the correct way around!!!* **currentFood**.getOverallCalAmount()  
  
 ));  
  
 Toast.*makeText*(FoodDetail.**this**, **"Added To Diary"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
  
 **food\_description** = (TextView)findViewById(R.id.***food\_description***);  
 **food\_name** = (TextView)findViewById(R.id.***food\_name***);  
 **food\_price** = (TextView)findViewById(R.id.***food\_amount***);  
 **food\_image** = (ImageView)findViewById(R.id.***img\_food***);  
  
 **collapsingToolbarLayout** = (CollapsingToolbarLayout)findViewById(R.id.***collapsing***);  
 **collapsingToolbarLayout**.setExpandedTitleTextAppearance(R.style.***ExpandedAppbar***);  
 **collapsingToolbarLayout**.setCollapsedTitleTextAppearance(R.style.***CollapsedAppbar***);  
  
 *//get food id from intent* **if**(getIntent() != **null**)  
 {  
 **foodId** = getIntent().getStringExtra(**"FoodId"**);  
 }  
 **if**(!**foodId**.isEmpty())  
 {  
 getDetailFood(**foodId**);  
 }  
 }  
  
 **private void** getDetailFood(String foodId) {  
 **foods**.child(foodId).addValueEventListener(**new** ValueEventListener() {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot) {  
 **currentFood** = dataSnapshot.getValue(Food.**class**);  
  
 *//set image* Picasso.*with*(getBaseContext()).load(**currentFood**.getImage()).into(**food\_image**);  
  
 **collapsingToolbarLayout**.setTitle(**currentFood**.getName());  
  
 **food\_price**.setText(**currentFood**.getOverallCalAmount());  
  
 **food\_name**.setText(**currentFood**.getName());  
  
 **food\_description**.setText(**currentFood**.getDescription());  
 }  
  
 @Override  
 **public void** onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 }  
}

## FoodList

**package** com.example.lorcan.yourcf;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.support.v7.widget.LinearLayoutManager;  
**import** android.support.v7.widget.RecyclerView;  
**import** android.view.View;  
**import** android.widget.Toast;  
  
**import** com.example.lorcan.yourcf.Interface.ItemClickListener;  
**import** com.example.lorcan.yourcf.Model.Food;  
**import** com.example.lorcan.yourcf.ViewHolder.FoodViewHolder;  
**import** com.firebase.ui.database.FirebaseRecyclerAdapter;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.squareup.picasso.Picasso;  
  
*/\*public class FoodList extends AppCompatActivity {  
  
 RecyclerView recyclerView;  
 RecyclerView.LayoutManager layoutManager;  
  
 FirebaseDatabase database;  
 DatabaseReference foodList;  
  
 String categoryId="";  
  
 FirebaseRecyclerAdapter<Food,FoodViewHolder> adapter;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_food\_list);  
  
 //Firebase  
 database = FirebaseDatabase.getInstance();  
 foodList = database.getReference("Foods");  
  
 recyclerView = (RecyclerView)findViewById(R.id.recyler\_food);  
 recyclerView.setHasFixedSize(true);  
 layoutManager = new LinearLayoutManager(this);  
 recyclerView.setLayoutManager(layoutManager);  
  
 //get intent here  
 if(getIntent() != null)  
 {  
 categoryId = getIntent().getStringExtra("CategoryId");  
 }  
 if(categoryId.isEmpty() && categoryId != null)  
 {  
 loadListFood(categoryId);  
 }  
  
 }  
  
 private void loadListFood(String categoryId) {  
  
 // this is the equivalent select \* where MenuId  
 adapter = new FirebaseRecyclerAdapter<Food, FoodViewHolder>(Food.class,R.layout.food\_item,FoodViewHolder.class,foodList.orderByChild("MenuId").equalTo(categoryId)) {  
 @Override  
 protected void populateViewHolder(FoodViewHolder viewHolder, Food model, int position) {  
  
 viewHolder.food\_name.setText(model.getName());  
 Picasso.with(getBaseContext()).load(model.getImage()).into(viewHolder.food\_image);  
  
 final Food local = model;  
 viewHolder.setItemClickListener(new ItemClickListener() {  
 @Override  
 public void onClick(View view, int position, boolean isLongClick) {  
 //start new activity  
 //Intent foodDetail = new Intent(FoodList.this,FoodDetail.class);  
 //foodDetail.putExtra("FoodId",adapter.getRef(position).getKey());  
 //startActivity(foodDetail);  
  
 Toast.makeText(FoodList.this, ""+local.getName(), Toast.LENGTH\_SHORT).show();  
 }  
 });  
  
 }  
 };  
 recyclerView.setAdapter(adapter);  
 }  
  
  
 /\*private void loadListFood(String categoryId) {  
  
 adapter = new FirebaseRecyclerAdapter<Food, FoodViewHolder>(Food.class,  
 R.layout.food\_item,  
 FoodViewHolder.class,  
 foodList.orderByChild("MenuId").equalTo(categoryId)) { // like : Select \* From  
 @Override  
 protected void populateViewHolder(FoodViewHolder viewHolder, Food model, int position) {  
 viewHolder.food\_name.setText(model.getName());  
 Picasso.with(getBaseContext()).load(model.getImage()).into(viewHolder.food\_image);  
  
 final Food local = model;  
 viewHolder.setItemClickListener(new ItemClickListener() {  
 @Override  
 public void onClick(View view, int position, boolean isLongClick) {  
 Toast.makeText(FoodList.this, ""+local.getName(), Toast.LENGTH\_SHORT).show();  
 }  
 });  
  
 }  
 };  
 // set adapter  
 recyclerView.setAdapter(adapter);  
  
  
 }\*/***public class** FoodList **extends** AppCompatActivity {  
  
 RecyclerView **recyclerView**;  
 RecyclerView.LayoutManager **layoutManager**;  
  
 FirebaseDatabase **database**;  
 DatabaseReference **foodList**;  
  
 String **categoryId**=**""**;  
  
 FirebaseRecyclerAdapter<Food,FoodViewHolder> **adapter**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_food\_list***);  
  
 *// Firebase* **database** = FirebaseDatabase.*getInstance*();  
 **foodList** = **database**.getReference(**"Foods"**);  
  
 **recyclerView** = (RecyclerView)findViewById(R.id.***recyler\_food***);  
 **recyclerView**.setHasFixedSize(**true**);  
 **layoutManager** = **new** LinearLayoutManager(**this**);  
 **recyclerView**.setLayoutManager(**layoutManager**);  
  
 **if**(getIntent() != **null**){  
 **categoryId** = getIntent().getStringExtra(**"CategoryId"**);  
 }  
 **if**(!**categoryId**.isEmpty() && **categoryId** != **null**){  
 loadFoodList(**categoryId**);  
 }  
  
 }  
  
 **private void** loadFoodList(String categoryId) {  
 *// this is the equivalent select \* where MenuId* **adapter** = **new** FirebaseRecyclerAdapter<Food, FoodViewHolder>(Food.**class**,R.layout.***food\_item***,FoodViewHolder.**class**,**foodList**.orderByChild(**"MenuId"**).equalTo(categoryId)) {  
 @Override  
 **protected void** populateViewHolder(FoodViewHolder viewHolder, Food model, **int** position) {  
  
 viewHolder.**food\_name**.setText(model.getName());  
 Picasso.*with*(getBaseContext()).load(model.getImage()).into(viewHolder.**food\_image**);  
  
 **final** Food local = model;  
 viewHolder.setItemClickListener(**new** ItemClickListener() {  
 @Override  
 **public void** onClick(View view, **int** position, **boolean** isLongClick) {  
 *//start new activity* Intent foodDetail = **new** Intent(FoodList.**this**,FoodDetail.**class**);  
 foodDetail.putExtra(**"FoodId"**,**adapter**.getRef(position).getKey());  
 startActivity(foodDetail);  
  
 *//Toast.makeText(FoodList.this, ""+local.getName(), Toast.LENGTH\_SHORT).show();* }  
 });  
  
 }  
 };  
 **recyclerView**.setAdapter(**adapter**);  
 }  
}

## Home

**package** com.example.lorcan.yourcf;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.support.design.widget.FloatingActionButton;  
**import** android.support.design.widget.Snackbar;  
**import** android.support.v7.widget.LinearLayoutManager;  
**import** android.support.v7.widget.RecyclerView;  
**import** android.view.View;  
**import** android.support.design.widget.NavigationView;  
**import** android.support.v4.view.GravityCompat;  
**import** android.support.v4.widget.DrawerLayout;  
**import** android.support.v7.app.ActionBarDrawerToggle;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.support.v7.widget.Toolbar;  
**import** android.view.Menu;  
**import** android.view.MenuItem;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.example.lorcan.yourcf.Common.Common;  
**import** com.example.lorcan.yourcf.Interface.ItemClickListener;  
**import** com.example.lorcan.yourcf.Model.Category;  
**import** com.example.lorcan.yourcf.ViewHolder.MenuViewHolder;  
**import** com.firebase.ui.database.FirebaseRecyclerAdapter;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.squareup.picasso.Picasso;  
  
**public class** Home **extends** AppCompatActivity  
 **implements** NavigationView.OnNavigationItemSelectedListener {  
  
 FirebaseDatabase **database**;  
 DatabaseReference **category**;  
  
 TextView **txtFirstName**;  
  
 RecyclerView **recyler\_menu**;  
 RecyclerView.LayoutManager **layoutManager**;  
  
 FirebaseRecyclerAdapter<Category,MenuViewHolder> **adapter**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_home***);  
 Toolbar toolbar = (Toolbar) findViewById(R.id.***toolbar***);  
 toolbar.setTitle(**"Your CF"**);  
 setSupportActionBar(toolbar);  
  
 *//Init Firebase* **database** = FirebaseDatabase.*getInstance*();  
 **category** = **database**.getReference(**"Category"**);  
  
 FloatingActionButton fab = (FloatingActionButton) findViewById(R.id.***fab***);  
 fab.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Snackbar.*make*(view, **"Replace with your own action"**, Snackbar.***LENGTH\_LONG***)  
 .setAction(**"Action"**, **null**).show();  
 }  
 });  
  
 DrawerLayout drawer = (DrawerLayout) findViewById(R.id.***drawer\_layout***);  
 ActionBarDrawerToggle toggle = **new** ActionBarDrawerToggle(  
 **this**, drawer, toolbar, R.string.***navigation\_drawer\_open***, R.string.***navigation\_drawer\_close***);  
 drawer.addDrawerListener(toggle);  
 toggle.syncState();  
  
 NavigationView navigationView = (NavigationView) findViewById(R.id.***nav\_view***);  
 navigationView.setNavigationItemSelectedListener(**this**);  
  
 *//set name for user* View headerView = navigationView.getHeaderView(0);  
 **txtFirstName** = (TextView)headerView.findViewById(R.id.***txtFirstName***);  
 **txtFirstName**.setText(Common.*currentUser*.getFirstName());  
  
 *//load menu* **recyler\_menu** = (RecyclerView)findViewById(R.id.***recyler\_menu***);  
 **recyler\_menu**.setHasFixedSize(**true**);  
 **layoutManager** = **new** LinearLayoutManager(**this**);  
 **recyler\_menu**.setLayoutManager(**layoutManager**);  
  
 loadMenu();  
  
 }  
  
 **private void** loadMenu() {  
  
 **adapter** = **new** FirebaseRecyclerAdapter<Category, MenuViewHolder>(Category.**class**,R.layout.***menu\_item***,MenuViewHolder.**class**,**category**) {  
 @Override  
 **protected void** populateViewHolder(MenuViewHolder viewHolder, Category model, **int** position) {  
 viewHolder.**txtMenuName**.setText(model.getName());  
 Picasso.*with*(getBaseContext()).load(model.getImage())  
 .into(viewHolder.**imageView**);  
 **final** Category clickItem = model;  
 viewHolder.setItemClickListener(**new** ItemClickListener() {  
 @Override  
 **public void** onClick(View view, **int** position, **boolean** isLongClick) {  
  
 *//get catogoryid and send it to new activity* Intent foodList = **new** Intent(Home.**this**, FoodList.**class**);  
 *//because CategoryId is key so we just get the key* foodList.putExtra(**"CategoryId"**,**adapter**.getRef(position).getKey());  
 startActivity(foodList);  
  
 *//Toast.makeText(Home.this, ""+clickItem.getName(), Toast.LENGTH\_SHORT).show();* }  
 });  
 }  
 };  
 **recyler\_menu**.setAdapter(**adapter**);  
  
 */\*adapter = new FirebaseRecyclerAdapter<Category, MenuViewHolder>(Category.class,R.layout.menu\_item,MenuViewHolder.class,category) {  
 @Override  
 protected void populateViewHolder(MenuViewHolder viewHolder, Category model, int position) {  
 viewHolder.txtMenuName.setText(model.getName());  
 Picasso.with(getBaseContext()).load(model.getImage()).into(viewHolder.imageView);  
  
 final Category clickItem = model;  
 viewHolder.setItemClickListener(new ItemClickListener() {  
 @Override  
 public void onClick(View view, int position, boolean isLongClick) {  
  
 //get cat id and send it to new activity  
 Intent foodList = new Intent(Home.this,FoodList.class);  
 foodList.putExtra("CategoryId",adapter.getRef(position).getKey());  
 startActivity(foodList);  
  
  
 }  
 });  
 }  
 };  
 recyler\_menu.setAdapter(adapter);  
 }\*/* }  
  
 @Override  
 **public void** onBackPressed() {  
 DrawerLayout drawer = (DrawerLayout) findViewById(R.id.***drawer\_layout***);  
 **if** (drawer.isDrawerOpen(GravityCompat.***START***)) {  
 drawer.closeDrawer(GravityCompat.***START***);  
 } **else** {  
 **super**.onBackPressed();  
 startActivity(**new** Intent(Home.**this**, Home.**class**));  
 finish();  
 }  
 }  
  
 @Override  
 **public boolean** onCreateOptionsMenu(Menu menu) {  
 *// Inflate the menu; this adds items to the action bar if it is present.* getMenuInflater().inflate(R.menu.***home***, menu);  
 **return true**;  
 }  
  
 @Override  
 **public boolean** onOptionsItemSelected(MenuItem item) {  
 *// Handle action bar item clicks here. The action bar will  
 // automatically handle clicks on the Home/Up button, so long  
 // as you specify a parent activity in AndroidManifest.xml.  
 // int id = item.getItemId();  
  
 //noinspection SimplifiableIfStatement  
 //if (id == R.id.action\_settings) {  
 // return true;  
 //}* **return super**.onOptionsItemSelected(item);  
 }  
  
 @SuppressWarnings(**"StatementWithEmptyBody"**)  
 @Override  
 **public boolean** onNavigationItemSelected(MenuItem item) {  
 *// Handle navigation view item clicks here.* **int** id = item.getItemId();  
  
 **if** (id == R.id.***nav\_menu***) {  
 *// Handle the camera action* } **else if** (id == R.id.***nav\_food***) {  
  
 } **else if** (id == R.id.***nav\_plan***) {  
  
 } **else if** (id == R.id.***nav\_Activity***) {  
  
 Intent activity = **new** Intent(Home.**this**, Activity.**class**);  
 startActivity(activity);  
 finish();  
  
 } **else if** (id == R.id.***nav\_spirometer***) {  
  
 Intent profile = **new** Intent(Home.**this**, SpirometerTest.**class**);  
 startActivity(profile);  
 finish();  
  
 }  
 **else if** (id == R.id.***nav\_howTo***) {  
 Intent howTo = **new** Intent(Home.**this**, InformationPage2.**class**);  
 startActivity(howTo);  
 finish();  
  
 }  
 **else if** (id == R.id.***nav\_profile***) {  
  
 Intent profile = **new** Intent(Home.**this**, Medical.**class**);  
 startActivity(profile);  
 finish();  
 }  
 **else if** (id == R.id.***nav\_settings***) {  
  
 }  
 **else if** (id == R.id.***nav\_logout***) {  
  
 }  
  
 DrawerLayout drawer = (DrawerLayout) findViewById(R.id.***drawer\_layout***);  
 drawer.closeDrawer(GravityCompat.***START***);  
 **return true**;  
 }  
}

## InformationPage1

**package** com.example.lorcan.yourcf;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
  
**public class** InformationPage1 **extends** AppCompatActivity {  
  
 Button **btnNext**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_information\_page1***);  
  
 **btnNext** = (Button)findViewById(R.id.***btnNext***);  
  
 **btnNext**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Intent signUp = **new** Intent(InformationPage1.**this**,SignUp.**class**);  
 startActivity(signUp);  
 }  
 });  
 }  
 @Override  
 **public void** onBackPressed() {  
 startActivity(**new** Intent(InformationPage1.**this**, MainActivity.**class**));  
 finish();  
 }  
}

## InformationPage2

**package** com.example.lorcan.yourcf;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.Toast;  
  
**public class** InformationPage2 **extends** AppCompatActivity {  
  
 Button **btnNext**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_information\_page2***);  
  
 **btnNext** = (Button)findViewById(R.id.***btnNext***);  
  
 **btnNext**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Intent signIn = **new** Intent(InformationPage2.**this**,Home.**class**);  
 startActivity(signIn);  
  
 }  
 });  
   
 }  
}

## MainActivity

**package** com.example.lorcan.yourcf;  
  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 Button **btnSignIn**,**btnSignUp**;  
 TextView **txtSlogan**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 **btnSignIn** = (Button)findViewById(R.id.***btnSignIn***);  
 **btnSignUp** = (Button)findViewById(R.id.***btnSignUp***);  
 **txtSlogan** = (TextView)findViewById(R.id.***txtSlogan***);  
  
 **btnSignIn**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Intent signIn = **new** Intent(MainActivity.**this**,SignIn.**class**);  
 startActivity(signIn);  
  
 }  
 });  
  
 **btnSignUp**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 Intent info = **new** Intent(MainActivity.**this**,InformationPage1.**class**);  
 startActivity(info);  
  
 }  
 });  
 }  
}

## Medical

**package** com.example.lorcan.yourcf;  
  
**import** android.app.ProgressDialog;  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.Toast;  
  
  
**import** com.example.lorcan.yourcf.Model.MedicalProfile;  
**import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.google.firebase.database.ValueEventListener;  
**import** com.rengwuxian.materialedittext.MaterialEditText;  
  
**public class** Medical **extends** AppCompatActivity {  
  
 MaterialEditText **edtDoctor**,**edtDOB**, **edtSiblingsWithcF**, **edtdiabetes**, **edtAgeofPrognosis**;  
 Button **btnProfile**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_medical\_profile***);  
  
 **edtDoctor** = (MaterialEditText)findViewById(R.id.***edtDoctor***);  
 **edtDOB** = (MaterialEditText)findViewById(R.id.***edtDOB***);  
 **edtSiblingsWithcF** = (MaterialEditText)findViewById(R.id.***edtSiblingsWithcF***);  
 **edtdiabetes** = (MaterialEditText)findViewById(R.id.***edtdiabetes***);  
 **edtAgeofPrognosis** = (MaterialEditText)findViewById(R.id.***edtAgeofPrognosis***);  
 **btnProfile** = (Button)findViewById(R.id.***btnProfile***);  
  
 *//Init Firebase* FirebaseDatabase database = FirebaseDatabase.*getInstance*();  
 **final** DatabaseReference table\_medical = database.getReference(**"Medical"**);  
  
 **btnProfile**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
  
 **final** ProgressDialog mDialog = **new** ProgressDialog(Medical.**this**);  
 mDialog.setMessage(**"Please Wait...."**);  
 mDialog.show();  
  
 table\_medical.addValueEventListener(**new** ValueEventListener() {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot) {  
 *// check if number already exists* **if**(dataSnapshot.child(**edtDoctor**.getText().toString()).exists())  
 {  
 mDialog.dismiss();  
 Toast.*makeText*(Medical.**this**, **"Phone Number Already Exists !!!"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 **else** {  
 mDialog.dismiss();  
 MedicalProfile med = **new** MedicalProfile(**edtDOB**.getText().toString(),**edtSiblingsWithcF**.getText().toString(),**edtdiabetes**.getText().toString(),**edtAgeofPrognosis**.getText().toString());  
 table\_medical.child(**edtDoctor**.getText().toString()).setValue(med);  
 Toast.*makeText*(Medical.**this**, **"User Created"**, Toast.***LENGTH\_SHORT***).show();  
 finish();  
 }  
  
 }  
 @Override  
 **public void** onCancelled(DatabaseError databaseError) {  
 }  
 });  
 Intent Medical = **new** Intent(com.example.lorcan.yourcf.Medical.**this**,MainActivity.**class**);  
 startActivity(Medical);  
  
 }  
 });  
  
 }  
 @Override  
 **public void** onBackPressed() {  
 startActivity(**new** Intent(Medical.**this**, Home.**class**));  
 finish();  
 }  
}

## SignIn

**package** com.example.lorcan.yourcf;  
  
**import** android.app.ProgressDialog;  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**import** com.example.lorcan.yourcf.Common.Common;  
**import** com.example.lorcan.yourcf.Model.User;  
**import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.google.firebase.database.ValueEventListener;  
  
**public class** SignIn **extends** AppCompatActivity {  
  
 EditText **edtPhone**,**edtPassword**;  
 Button **btnSignIn**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_sign\_in***);  
  
 **edtPhone** = (EditText)findViewById(R.id.***edtPhone***);  
 **edtPassword** = (EditText)findViewById(R.id.***edtPassword***);  
 **btnSignIn** = (Button)findViewById(R.id.***btnSignIn***);  
  
 *//Init Firebase* FirebaseDatabase database = FirebaseDatabase.*getInstance*();  
 **final** DatabaseReference table\_user = database.getReference(**"User"**);  
  
 **btnSignIn**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
  
 **final** ProgressDialog mDialog = **new** ProgressDialog(SignIn.**this**);  
 mDialog.setMessage(**"Please Wait...."**);  
 mDialog.show();  
  
 table\_user.addValueEventListener(**new** ValueEventListener() {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot) {  
 *// check if user exists* **if**(dataSnapshot.child(**edtPhone**.getText().toString()).exists())  
 {  
 *//get user info* mDialog.dismiss();  
 User user = dataSnapshot.child(**edtPhone**.getText().toString()).getValue(User.**class**);  
 user.setPhone(**edtPhone**.getText().toString()); *//set phone* **if**(user.getPassword().equals(**edtPassword**.getText().toString()))  
 {  
 *//Toast.makeText(SignIn.this, "Sign In Success!!!!", Toast.LENGTH\_SHORT).show();* Intent homeIntent = **new** Intent(SignIn.**this**,Home.**class**);  
 *//store current user* Common.*currentUser* = user;  
 startActivity(homeIntent);  
 finish();  
  
 }  
 **else** {  
 mDialog.dismiss();  
 Toast.*makeText*(SignIn.**this**, **"Wrong Password !!!"**, Toast.***LENGTH\_SHORT***).show();  
 }  
  
 }  
 **else** {  
 Toast.*makeText*(SignIn.**this**, **"User not found in database!!!"**, Toast.***LENGTH\_SHORT***).show();  
 }  
  
  
 }  
  
 @Override  
 **public void** onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 }  
 });  
 }  
}

## SignUp

**package** com.example.lorcan.yourcf;  
  
**import** android.app.ProgressDialog;  
**import** android.content.Intent;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.Toast;  
  
**import** com.example.lorcan.yourcf.Model.User;  
**import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.google.firebase.database.ValueEventListener;  
**import** com.rengwuxian.materialedittext.MaterialEditText;  
  
**public class** SignUp **extends** AppCompatActivity {  
  
 MaterialEditText **edtPhone**,**edtFirstName**,**edtLastName**,**edtEmail**,**edtPassword**;  
 Button **btnSignUp**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_sign\_up***);  
  
 **edtPhone** = (MaterialEditText)findViewById(R.id.***edtPhone***);  
 **edtFirstName** = (MaterialEditText)findViewById(R.id.***edtFirstName***);  
 **edtLastName** = (MaterialEditText)findViewById(R.id.***edtLastName***);  
 **edtEmail** = (MaterialEditText)findViewById(R.id.***edtEmail***);  
 **edtPassword** = (MaterialEditText)findViewById(R.id.***edtPassword***);  
 **btnSignUp** = (Button)findViewById(R.id.***btnSignUp***);  
  
 *//Init Firebase* FirebaseDatabase database = FirebaseDatabase.*getInstance*();  
 **final** DatabaseReference table\_user = database.getReference(**"User"**);  
  
 **btnSignUp**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
  
 **final** ProgressDialog mDialog = **new** ProgressDialog(SignUp.**this**);  
 mDialog.setMessage(**"Please Wait...."**);  
 mDialog.show();  
  
 table\_user.addValueEventListener(**new** ValueEventListener() {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot) {  
 *// check if number already exists* **if**(dataSnapshot.child(**edtPhone**.getText().toString()).exists())  
 {  
 mDialog.dismiss();  
 Toast.*makeText*(SignUp.**this**, **"Phone Number Already Exists !!!"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 **else** {  
 mDialog.dismiss();  
 User user = **new** User(**edtEmail**.getText().toString(),**edtFirstName**.getText().toString(),**edtLastName**.getText().toString(),**edtPassword**.getText().toString());  
 table\_user.child(**edtPhone**.getText().toString()).setValue(user);  
 Toast.*makeText*(SignUp.**this**, **"User Created"**, Toast.***LENGTH\_SHORT***).show();  
 finish();  
 }  
  
 }  
  
 @Override  
 **public void** onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
 Intent signUp = **new** Intent(SignUp.**this**,MainActivity.**class**);  
 startActivity(signUp);  
  
 }  
 });  
 }  
}

## spirometerTest

**package** com.example.lorcan.yourcf;  
  
**import** android.app.ProgressDialog;  
**import** android.content.Intent;  
**import** android.os.Handler;  
**import** android.os.SystemClock;  
**import** android.support.v7.app.AppCompatActivity;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.example.lorcan.yourcf.Model.Spirometer;  
**import** com.google.firebase.database.DataSnapshot;  
**import** com.google.firebase.database.DatabaseError;  
**import** com.google.firebase.database.DatabaseReference;  
**import** com.google.firebase.database.FirebaseDatabase;  
**import** com.google.firebase.database.ValueEventListener;  
**import** com.rengwuxian.materialedittext.MaterialEditText;  
  
**public class** SpirometerTest **extends** AppCompatActivity {  
  
 MaterialEditText **edtDate**, **edtSpiroResult**,**edtSpiroResult1**,**edtSpiroResult2**;  
 TextView **edtStopWatch**;  
 Button **btnSubmit**, **btnStart**, **btnStop**;  
 Handler **customhandler** = **new** Handler();  
  
 **long startTime**=0L,**timeInMilliseconds**=0L,**timeSwapBuff**=0L,**updateTime**=0L;  
  
 Runnable **updateTimeThread** = **new** Runnable() {  
 @Override  
 **public void** run() {  
 **timeInMilliseconds** = SystemClock.*uptimeMillis*()-**startTime**;  
 **updateTime** = **timeSwapBuff** + **timeInMilliseconds**;  
 **int** secs = (**int**)(**updateTime**/1000);  
 **int** mins=secs/60;  
 secs%=60;  
 **int** milliseconds=(**int**)(**updateTime**%1000);  
 **edtStopWatch**.setText(**""**+mins+**":"**+String.*format*(**"%2d"**,secs)+**":"**+String.*format*(**"%3d"**,milliseconds));  
 **customhandler**.postDelayed(**this**,0);  
  
 }  
 };  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_spirometer***);  
  
 **edtDate** = (MaterialEditText)findViewById(R.id.***edtDate***);  
 **edtStopWatch** = (TextView) findViewById(R.id.***edtStopWatch***);  
 **edtSpiroResult** = (MaterialEditText)findViewById(R.id.***edtSpiroResult***);  
 **edtSpiroResult1** = (MaterialEditText)findViewById(R.id.***edtSpiroResult1***);  
 **edtSpiroResult2** = (MaterialEditText)findViewById(R.id.***edtSpiroResult2***);  
  
 **btnSubmit** = (Button)findViewById(R.id.***btnSubmit***);  
 **btnStart** = (Button)findViewById(R.id.***btnStart***);  
 **btnStop** = (Button)findViewById(R.id.***btnStop***);  
  
 *// init Firebase* FirebaseDatabase database = FirebaseDatabase.*getInstance*();  
 **final** DatabaseReference table\_Spirometer = database.getReference(**"Spirometer"**);  
  
 **btnStart**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
  
 **startTime** = SystemClock.*uptimeMillis*();  
  
 **customhandler**.postDelayed(**updateTimeThread**,0);  
  
 }  
 });  
  
 **btnStop**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
 **timeSwapBuff**+=**timeInMilliseconds**;  
 **customhandler**.removeCallbacks(**updateTimeThread**);  
 }  
 });  
  
 **btnSubmit**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View view) {  
  
 **final** ProgressDialog mDialog = **new** ProgressDialog(SpirometerTest.**this**);  
 mDialog.setMessage(**"Please Wait...."**);  
 mDialog.show();  
  
 table\_Spirometer.addValueEventListener(**new** ValueEventListener() {  
 @Override  
 **public void** onDataChange(DataSnapshot dataSnapshot) {  
  
 *// check if number already exists* **if**(dataSnapshot.child(**edtDate**.getText().toString()).exists())  
 {  
 mDialog.dismiss();  
 Toast.*makeText*(SpirometerTest.**this**, **"Date Has Already Been Entered!!!"**, Toast.***LENGTH\_SHORT***).show();  
 }  
 **else** {  
 mDialog.dismiss();  
 *//total+=(Integer.parseInt(selection.getCalorieAmount()))\*(Integer.parseInt(selection.getQuantity()));* Spirometer spiro = **new** Spirometer(**edtStopWatch**.getText().toString(),**edtSpiroResult**.getText().toString());  
 Spirometer spiro1 = **new** Spirometer(**edtStopWatch**.getText().toString(),**edtSpiroResult1**.getText().toString());  
 Spirometer spiro4 = **new** Spirometer(**edtStopWatch**.getText().toString(),**edtSpiroResult2**.getText().toString());  
 **int** spiro3 = Integer.*parseInt*(spiro.getSpirometerResult()) + (Integer.*parseInt*(spiro1.getSpirometerResult()) + (Integer.*parseInt*(spiro4.getSpirometerResult())));  
 *//Spirometer result = Integer.parseInt(spiro3.getSpirometerResult());* **int** result = spiro3/3;  
 Spirometer test = **new** Spirometer(**edtStopWatch**.getText().toString(),String.*valueOf*(result));  
 table\_Spirometer.child(**edtDate**.getText().toString()).setValue(test);  
 Toast.*makeText*(SpirometerTest.**this**, **"Test Recorded"**, Toast.***LENGTH\_SHORT***).show();  
 Intent homeIntent = **new** Intent(SpirometerTest.**this**,Home.**class**);  
 startActivity(homeIntent);  
 *//finish();* }  
  
 }  
  
  
  
 @Override  
 **public void** onCancelled(DatabaseError databaseError) {  
  
 }  
 });  
  
  
 }  
 });  
 }  
 @Override  
 **public void** onBackPressed() {  
 startActivity(**new** Intent(SpirometerTest.**this**, Home.**class**));  
 finish();  
 }  
}

# Layout

## Activity\_xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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"  
 android:background="@drawable/blue"  
 tools:context="com.example.lorcan.yourcf.Activity"**>  
  
</**android.support.constraint.ConstraintLayout**>

## Activity\_detail

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.design.widget.CoordinatorLayout 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="com.example.lorcan.yourcf.ActivityDetail"**>  
  
 <**android.support.design.widget.AppBarLayout  
 android:id="@+id/app\_bar\_layout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"  
 android:fitsSystemWindows="true"**>  
  
 <**android.support.design.widget.CollapsingToolbarLayout  
 android:id="@+id/collapsing"  
 android:layout\_width="match\_parent"  
 android:layout\_height="350dp"  
 android:fitsSystemWindows="true"  
 app:layout\_scrollFlags="scroll|exitUntilCollapsed"  
 app:contentScrim="#0e0d0e"  
 app:collapsedTitleTextAppearance="@android:color/transparent"**>  
  
 <**ImageView  
 android:id="@+id/img\_activity"  
 android:contentDescription="@null"  
 android:scaleType="centerCrop"  
 app:layout\_collapseMode="parallax"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** />  
  
 <**android.support.v7.widget.Toolbar  
 app:title="Activity Name"  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 app:popupTheme="@style/ThemeOverlay.AppCompat.Light"  
 app:layout\_collapseMode="parallax"**>  
  
 </**android.support.v7.widget.Toolbar**>  
  
  
  
 </**android.support.design.widget.CollapsingToolbarLayout**>  
  
 </**android.support.design.widget.AppBarLayout**>  
  
 <**android.support.design.widget.FloatingActionButton  
 android:id="@+id/btn\_activity"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:backgroundTint="@android:color/white"  
 android:src="@drawable/ic\_directions\_run\_black\_24dp"  
 app:elevation="6dp"  
 app:layout\_anchor="@id/app\_bar\_layout"  
 app:layout\_anchorGravity="bottom|right|end"  
 app:pressedTranslationZ="12dp"  
 app:useCompatPadding="true"** />  
  
 <**android.support.v4.widget.NestedScrollView  
 android:id="@+id/nestedScrollView"  
 android:clipToPadding="false"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**LinearLayout  
  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**android.support.v7.widget.CardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:cardElevation="5dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:id="@+id/activity\_name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="8dp"  
 android:padding="12dp"  
 android:text="Activity Name"  
 android:textColor="@color/colorPrimary"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**LinearLayout  
 android:id="@+id/layout\_cal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"**>  
  
 <**ImageView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:src="@drawable/ic\_library\_books\_black\_24dp"** />  
  
 <**TextView  
 android:id="@+id/intensity\_of\_activity"  
 android:layout\_width="0dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="5"  
 android:text="1200"  
 android:textColor="@color/colorPrimary"  
 android:textSize="18sp"  
 android:textStyle="bold"** />  
  
  
 </**LinearLayout**>  
  
 <**com.cepheuen.elegantnumberbutton.view.ElegantNumberButton  
 android:id="@+id/activity\_number\_button"  
 android:layout\_width="100dp"  
 android:layout\_height="30dp"  
 android:layout\_marginBottom="18dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 app:backGroundColor="@color/colorPrimary"  
 app:finalNumber="20"  
 app:initialNumber="1"  
 app:textSize="8sp"** >  
  
 </**com.cepheuen.elegantnumberbutton.view.ElegantNumberButton**>  
  
  
 </**LinearLayout**>  
  
 </**android.support.v7.widget.CardView**>  
  
 <**android.support.v7.widget.CardView  
 app:cardElevation="5dp"  
 app:cardUseCompatPadding="true"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**TextView  
 android:id="@+id/activity\_description"  
 android:layout\_marginTop="12dp"  
 android:lineSpacingMultiplier="1.5"  
 android:padding="12dp"  
 android:text="Description"  
 android:textColor="@color/colorPrimary"  
 android:textSize="14sp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
  
 </**android.support.v7.widget.CardView**>  
  
 </**LinearLayout**>  
  
 </**android.support.v4.widget.NestedScrollView**>  
  
</**android.support.design.widget.CoordinatorLayout**>

## Activity\_diary

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:padding="16dp"  
 android:background="@color/colorPrimary"  
 tools:context=".Diary"**>  
  
 <**android.support.v7.widget.RecyclerView  
 android:id="@+id/listDiary"  
 android:background="@android:color/transparent"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**/>  
  
 <**android.support.v7.widget.CardView  
 android:layout\_alignParentBottom="true"  
 android:layout\_width="match\_parent"  
 app:cardBackgroundColor="@color/colorPrimary"  
 android:layout\_height="150dp"**>  
   
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**LinearLayout  
 android:gravity="center\_vertical"  
 android:layout\_margin="8dp"  
 android:orientation="horizontal"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"**>  
  
 <**TextView  
 android:text="Total :"  
 android:textSize="20sp"  
 android:textColor="@android:color/white"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:id="@+id/total"  
 android:text="1000"  
 android:textSize="24sp"  
 android:textColor="@android:color/white"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
  
  
  
 </**LinearLayout**>  
  
 <**Button  
 android:id="@+id/btnAddDiary"  
 style="@android:style/Widget.Material.Button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginBottom="30dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_weight="1"  
 android:background="@color/cardview\_dark\_background"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Add"  
 android:textColor="@android:color/white"** />  
  
  
  
 </**RelativeLayout**>  
  
 </**android.support.v7.widget.CardView**>  
  
</**RelativeLayout**>

## Activity\_food\_detail

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.design.widget.CoordinatorLayout 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="com.example.lorcan.yourcf.FoodDetail"**>  
   
 <**android.support.design.widget.AppBarLayout  
 android:id="@+id/app\_bar\_layout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"  
 android:fitsSystemWindows="true"**>  
   
 <**android.support.design.widget.CollapsingToolbarLayout  
 android:id="@+id/collapsing"  
 android:layout\_width="match\_parent"  
 android:layout\_height="350dp"  
 android:fitsSystemWindows="true"  
 app:layout\_scrollFlags="scroll|exitUntilCollapsed"  
 app:contentScrim="#0e0d0e"  
 app:collapsedTitleTextAppearance="@android:color/transparent"**>  
  
 <**ImageView  
 android:id="@+id/img\_food"  
 android:contentDescription="@null"  
 android:scaleType="centerCrop"  
 app:layout\_collapseMode="parallax"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** />  
   
 <**android.support.v7.widget.Toolbar  
 app:title="Food Name"  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 app:popupTheme="@style/ThemeOverlay.AppCompat.Light"  
 app:layout\_collapseMode="parallax"**>  
  
  
  
 </**android.support.v7.widget.Toolbar**>  
  
  
  
 </**android.support.design.widget.CollapsingToolbarLayout**>  
  
 </**android.support.design.widget.AppBarLayout**>  
   
 <**android.support.design.widget.FloatingActionButton  
 android:id="@+id/btnFood"  
 android:src="@drawable/ic\_kitchen\_black\_24dp"  
 android:backgroundTint="@android:color/white"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:elevation="6dp"  
 app:pressedTranslationZ="12dp"  
 app:layout\_anchor="@id/app\_bar\_layout"  
 app:layout\_anchorGravity="bottom|right|end"  
 app:useCompatPadding="true"** />  
  
 <**android.support.v4.widget.NestedScrollView  
 android:id="@+id/nestedScrollView"  
 android:clipToPadding="false"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**LinearLayout  
   
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**android.support.v7.widget.CardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:cardElevation="5dp"  
 app:cardUseCompatPadding="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:id="@+id/food\_name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="8dp"  
 android:padding="12dp"  
 android:text="Food Name"  
 android:textColor="@color/colorPrimary"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**LinearLayout  
 android:id="@+id/layout\_cal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"**>  
  
 <**ImageView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:src="@drawable/ic\_restaurant\_black\_24dp"** />  
  
 <**TextView  
 android:id="@+id/food\_amount"  
 android:layout\_width="0dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="5"  
 android:text="1200"  
 android:textColor="@color/colorPrimary"  
 android:textSize="18sp"  
 android:textStyle="bold"** />  
  
  
 </**LinearLayout**>  
  
 <**com.cepheuen.elegantnumberbutton.view.ElegantNumberButton  
 android:id="@+id/number\_button"  
 android:layout\_width="100dp"  
 android:layout\_height="30dp"  
 android:layout\_marginBottom="18dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginTop="8dp"  
 app:backGroundColor="@color/colorPrimary"  
 app:finalNumber="20"  
 app:initialNumber="1"  
 app:textSize="8sp"** >  
  
 </**com.cepheuen.elegantnumberbutton.view.ElegantNumberButton**>  
  
  
 </**LinearLayout**>  
  
 </**android.support.v7.widget.CardView**>  
  
 <**android.support.v7.widget.CardView  
 app:cardElevation="5dp"  
 app:cardUseCompatPadding="true"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**TextView  
 android:id="@+id/food\_description"  
 android:layout\_marginTop="12dp"  
 android:lineSpacingMultiplier="1.5"  
 android:padding="12dp"  
 android:text="Description"  
 android:textColor="@color/colorPrimary"  
 android:textSize="14sp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
  
 </**android.support.v7.widget.CardView**>  
   
 </**LinearLayout**>  
  
 </**android.support.v4.widget.NestedScrollView**>  
  
   
  
</**android.support.design.widget.CoordinatorLayout**>

## Activity\_food\_list

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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="com.example.lorcan.yourcf.FoodList"**>  
   
 <**android.support.v7.widget.RecyclerView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:id="@+id/recyler\_food"  
 android:scrollbars="vertical"** >  
</**android.support.v7.widget.RecyclerView**>  
  
</**android.support.constraint.ConstraintLayout**>

## Activity\_home

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.v4.widget.DrawerLayout 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:id="@+id/drawer\_layout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/overLayActionBar"  
 android:fitsSystemWindows="true"  
 tools:openDrawer="start"**>  
  
 <**include  
 layout="@layout/app\_bar\_home"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** />  
  
 <**android.support.design.widget.NavigationView  
 android:id="@+id/nav\_view"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_gravity="start"  
 android:fitsSystemWindows="true"  
 app:headerLayout="@layout/nav\_header\_home"  
 android:background="@color/overLayBackground"  
 app:itemTextColor="@android:color/white"  
 app:itemIconTint="@android:color/white"  
 app:menu="@menu/activity\_home\_drawer"** />  
  
</**android.support.v4.widget.DrawerLayout**>

## Activity\_item

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.v7.widget.CardView  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="200dp"  
 app:cardElevation="4dp"  
 android:layout\_marginBottom="8dp"** >  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
  
 <**ImageView  
 android:id="@+id/activity\_image"  
 android:scaleType="centerCrop"  
 android:src="@drawable/purple"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** />  
  
 <**TextView  
 android:id="@+id/activity\_name"  
 android:text="Name of Food"  
 android:textColor="@android:color/white"  
 android:background="@color/overLayBackground"  
 android:textSize="20sp"  
 android:gravity="center"  
 android:layout\_alignParentBottom="true"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"** />  
  
 </**RelativeLayout**>  
  
</**android.support.v7.widget.CardView**>

## Activity\_list

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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="com.example.lorcan.yourcf.ActivityList"**>  
  
 <**android.support.v7.widget.RecyclerView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:id="@+id/recyler\_activity"  
 android:scrollbars="vertical"**>  
 </**android.support.v7.widget.RecyclerView**>  
  
</**android.support.constraint.ConstraintLayout**>

## Activity\_main

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@drawable/main"  
 tools:context="com.example.lorcan.yourcf.MainActivity"**>  
  
<**LinearLayout  
 android:orientation="vertical"  
 android:layout\_centerInParent="true"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"**>  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginTop="72dp"  
 android:layout\_gravity="center"  
 app:srcCompat="@drawable/rbicon"** />  
  
 <**TextView  
 android:id="@+id/txtSlogan"  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:gravity="center"  
 android:paddingTop="100dp"  
 android:textSize="18sp"  
 android:text="@string/slogan"  
 android:textColor="@android:color/white"  
 android:fontFamily="sans-serif-condensed"** />  
  
  
  
</**LinearLayout**>  
  
  
  
  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:weightSum="2"  
 android:layout\_alignParentBottom="true"  
 android:layout\_height="wrap\_content"**>  
  
  
  
 <**Button  
 android:id="@+id/btnSignIn"  
 style="@android:style/Widget.Material.Button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textColor="@android:color/white"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_weight="1"  
 android:fontFamily="sans-serif-condensed"  
 android:background="@color/colorAccent"  
 android:text="Sign In"** />  
  
 <**Button  
 android:id="@+id/btnSignUp"  
 style="@android:style/Widget.Material.Button.Borderless.Colored"  
 android:layout\_width="200dp"  
 android:layout\_height="wrap\_content"  
 android:fontFamily="sans-serif-condensed"  
 android:textColor="@android:color/white"  
 android:layout\_gravity="center"  
 android:layout\_marginBottom="30dp"  
 android:layout\_weight="1"  
 android:text="Sign Up"** />  
  
 </**LinearLayout**>  
  
</**RelativeLayout**>

## Activity\_medical\_profile

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@color/medicalbg"  
 tools:context="com.example.lorcan.yourcf.Medical"**>  
  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_centerInParent="true"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_height="wrap\_content"**>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtDoctor"  
 android:hint="Enter Doctor Name"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="text"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtDOB"  
 android:hint="Enter Date Of Birth"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="date"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="50"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtSiblingsWithcF"  
 android:hint="Enter Siblings With CF"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="text"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="50"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtdiabetes"  
 android:hint="Enter Yes/No For Diabetes "  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="text"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="50"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtAgeofPrognosis"  
 android:hint="Age Of Prognosis"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="textPassword"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**Button  
 android:id="@+id/btnProfile"  
 style="@android:style/Widget.Material.Button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_weight="1"  
 android:background="@color/colorAccent"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Sign Up"  
 android:textColor="@android:color/white"** />  
 </**LinearLayout**>  
  
</**RelativeLayout**>

## Activity\_sign\_in

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@drawable/blue"  
 tools:context="com.example.lorcan.yourcf.SignIn"**>  
  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginTop="72dp"  
 android:layout\_centerHorizontal="true"  
 app:srcCompat="@drawable/rbicon"** />  
  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_centerInParent="true"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_height="wrap\_content"**>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtPhone"  
 android:hint="Phone Number"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text="0868663769"  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="phone"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtPassword"  
 android:hint="Password"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text="password"  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="textPassword"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
 </**LinearLayout**>  
  
 <**Button  
 android:id="@+id/btnSignIn"  
 style="@android:style/Widget.Material.Button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginBottom="70dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_weight="1"  
 android:background="@color/colorAccent"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Login"  
 android:textColor="@android:color/white"** />  
  
  
  
</**RelativeLayout**>

## Activity\_sign\_up

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@drawable/dark"  
 tools:context="com.example.lorcan.yourcf.SignUp"**>  
  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_centerInParent="true"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_height="wrap\_content"**>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtPhone"  
 android:hint="Phone Number"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="phone"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtEmail"  
 android:hint="Email"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="textEmailAddress"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="50"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtFirstName"  
 android:hint="First Name"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="text"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="50"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtLastName"  
 android:hint="Last Name"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="text"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="50"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtPassword"  
 android:hint="Password"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="textPassword"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**Button  
 android:id="@+id/btnSignUp"  
 style="@android:style/Widget.Material.Button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginTop="40dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_weight="1"  
 android:background="@color/colorAccent"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Sign Up"  
 android:textColor="@android:color/white"** />  
 </**LinearLayout**>  
  
</**RelativeLayout**>

## Activity\_spirometer

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@color/fbutton\_color\_green\_sea"  
 tools:context="com.example.lorcan.yourcf.SpirometerTest"**>  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="120dp"  
 android:layout\_height="50dp"  
 android:paddingBottom="10dp"  
 android:layout\_marginTop="15dp"  
 android:layout\_centerHorizontal="true"  
 app:srcCompat="@drawable/rbicon"** />  
  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_centerInParent="true"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_height="wrap\_content"**>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtDate"  
 android:hint="Enter Test Number"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="text"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**TextView  
 android:id="@+id/edtStopWatch"  
 android:layout\_width="match\_parent"  
 android:textSize="40sp"  
 android:text="0:00:000"  
 android:textAlignment="center"  
 android:textColor="@android:color/white"  
 android:layout\_height="wrap\_content"** />  
  
 <**Button  
 android:id="@+id/btnStart"  
 style="@style/Widget.AppCompat.Button.Borderless.Colored"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="100dp"  
 android:layout\_marginRight="99dp"  
 android:text="Start"** />  
  
 <**Button  
 android:id="@+id/btnStop"  
 style="@style/Widget.AppCompat.Button.Borderless.Colored"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="100dp"  
 android:layout\_marginRight="99dp"  
 android:text="Stop"** />  
  
  
 *<!-- <com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtStopWatch"  
 android:hint="Enter Time"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="time"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"/>-->* <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**></**LinearLayout**>  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtSpiroResult"  
 android:hint="Enter Spirometer Result 1"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="numberDecimal"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtSpiroResult1"  
 android:hint="Enter Spirometer Result 2"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="numberDecimal"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
 <**com.rengwuxian.materialedittext.MaterialEditText  
 android:id="@+id/edtSpiroResult2"  
 android:hint="Enter Spirometer Result 3"  
 android:textColorHint="@android:color/white"  
 android:layout\_width="match\_parent"  
 android:text=""  
 android:textColor="@android:color/white"  
 android:textSize="24sp"  
 android:inputType="numberDecimal"  
 android:layout\_height="wrap\_content"  
 app:met\_baseColor="@android:color/white"  
 app:met\_floatingLabel="highlight"  
 app:met\_maxCharacters="10"  
 app:met\_primaryColor="@android:color/white"  
 app:met\_singleLineEllipsis="true"**/>  
 </**LinearLayout**>  
  
 <**Button  
 android:id="@+id/btnSubmit"  
 style="@android:style/Widget.Material.Button"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginBottom="15dp"  
 android:layout\_marginLeft="10dp"  
 android:layout\_marginRight="10dp"  
 android:background="@color/colorAccent"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Submit"  
 android:textColor="@android:color/white"** />  
  
  
</**RelativeLayout**>

## App\_bar\_home

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.design.widget.CoordinatorLayout 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="com.example.lorcan.yourcf.Home"**>  
  
 <**android.support.design.widget.AppBarLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:theme="@style/AppTheme.AppBarOverlay"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 android:background="?attr/colorPrimary"  
 app:popupTheme="@style/AppTheme.PopupOverlay"** />  
  
 </**android.support.design.widget.AppBarLayout**>  
  
 <**include layout="@layout/content\_home"** />  
  
 <**android.support.design.widget.FloatingActionButton  
 android:id="@+id/fab"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="bottom|end"  
 android:layout\_margin="@dimen/fab\_margin"  
 android:backgroundTint="@android:color/white"  
 app:srcCompat="@drawable/ic\_add\_circle\_black\_24dp"** />  
  
</**android.support.design.widget.CoordinatorLayout**>

## Content\_home

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"  
 tools:context="com.example.lorcan.yourcf.Home"  
 tools:showIn="@layout/app\_bar\_home"**>  
  
 <**android.support.v7.widget.RecyclerView  
 android:id="@+id/recyler\_menu"  
 android:scrollbars="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 </**android.support.v7.widget.RecyclerView**>  
  
</**android.support.constraint.ConstraintLayout**>

## Food\_item

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.v7.widget.CardView  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="200dp"  
 app:cardElevation="4dp"  
 android:layout\_marginBottom="8dp"** >  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
  
 <**ImageView  
 android:id="@+id/food\_image"  
 android:scaleType="centerCrop"  
 android:src="@drawable/purple"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** />  
  
 <**TextView  
 android:id="@+id/food\_name"  
 android:text="Name of Food"  
 android:textColor="@android:color/white"  
 android:background="@color/overLayBackground"  
 android:textSize="20sp"  
 android:gravity="center"  
 android:layout\_alignParentBottom="true"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"** />  
  
 </**RelativeLayout**>  
  
</**android.support.v7.widget.CardView**>

## Menu\_item

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.v7.widget.CardView  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="200dp"  
 app:cardElevation="4dp"** >  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
  
 <**ImageView  
 android:id="@+id/menu\_image"  
 android:scaleType="centerCrop"  
 android:src="@drawable/purple"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"** />  
  
 <**TextView  
 android:id="@+id/menu\_name"  
 android:text="Name of Food"  
 android:textColor="@android:color/white"  
 android:background="@color/overLayBackground"  
 android:textSize="20sp"  
 android:gravity="center"  
 android:layout\_alignParentBottom="true"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"** />  
  
 </**RelativeLayout**>  
  
</**android.support.v7.widget.CardView**>

## Nav\_header\_home

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="@dimen/nav\_header\_height"  
 android:background="@color/overLayActionBar"  
 android:gravity="bottom"  
 android:orientation="vertical"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark"**>  
  
 <**ImageView  
 android:id="@+id/imageView3"  
 android:layout\_width="66dp"  
 android:layout\_height="92dp"  
 app:srcCompat="@drawable/rbicon"** />  
  
 <**TextView  
 android:id="@+id/txtFirstName"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:paddingTop="@dimen/nav\_header\_vertical\_spacing"  
 android:text=""  
 android:textAppearance="@style/TextAppearance.AppCompat.Body1"** />  
  
  
</**LinearLayout**>

## Selection\_home

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.v7.widget.CardView  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="8dp"  
 app:cardElevation="4dp"**>  
  
 <**LinearLayout  
 android:layout\_marginTop="16dp"  
 android:layout\_marginBottom="16dp"  
 android:orientation="horizontal"  
 android:layout\_gravity="center\_vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_weight="9"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"**>  
  
 <**TextView  
 android:id="@+id/selection\_item\_name"  
 android:layout\_marginLeft="10dp"  
 android:gravity="center\_vertical|start"  
 android:textAllCaps="true"  
 android:textStyle="bold"  
 android:text="Food 01"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:id="@+id/selection\_item\_cal"  
 android:layout\_marginLeft="10dp"  
 android:gravity="center\_vertical|start"  
 android:textAllCaps="true"  
 android:textStyle="italic"  
 android:text="1000"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 </**LinearLayout**>  
  
 <**ImageView  
 android:layout\_gravity="center\_vertical|end"  
 android:layout\_marginRight="16dp"  
 android:id="@+id/selection\_item\_count"  
 android:layout\_width="20dp"  
 android:layout\_height="20dp"** />  
  
  
  
 </**LinearLayout**>  
  
</**android.support.v7.widget.CardView**>

## Information\_page\_1

*<?***xml version="1.0" encoding="utf-8"***?>*<**android.support.constraint.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"  
 android:background="@color/info1"  
 tools:context="com.example.lorcan.yourcf.InformationPage1"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="273dp"  
 android:layout\_height="220dp"  
 android:layout\_marginBottom="8dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="8dp"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Welcome to your cystic fibrosis. The next page leads to a sign up page. This page only requires basic information in order for a user to set up an account with us. Once logged in you will have an option to create a profile. This profile will contain both personal and medical infomation. Select next to continue."  
 android:textColor="@android:color/white"  
 android:textSize="18sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/btnNext"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView"** />  
  
 <**Button  
 android:id="@+id/btnNext"  
 style="@android:style/Widget.Material.Button.Borderless.Colored"  
 android:layout\_width="208dp"  
 android:layout\_height="42dp"  
 android:layout\_marginBottom="28dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:text="Next"  
 android:textColor="@android:color/white"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"** />  
  
 <**ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="109dp"  
 android:layout\_height="111dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="28dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/rbicon"** />  
</**android.support.constraint.ConstraintLayout**>

## Information\_page\_2

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@drawable/blue"  
 tools:context="com.example.lorcan.yourcf.InformationPage2"**>  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginTop="17dp"  
 android:layout\_centerHorizontal="true"  
 app:srcCompat="@drawable/rbicon"** />  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="273dp"  
 android:layout\_height="220dp"  
 android:layout\_centerInParent="true"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Welcome to your cystic fibrosis. The next page leads to a sign up page. This page only requires basic information in order for a user to set up an account with us. Once logged in you will have an option to create a profile. This profile will contain both personal and medical infomation. Select next to continue."  
 android:textColor="@android:color/white"  
 android:textSize="18sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/btnNext"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView"** />  
  
 <**Button  
 android:id="@+id/btnNext"  
 style="@android:style/Widget.Material.Button.Borderless.Colored"  
 android:layout\_width="match\_parent"  
 android:layout\_height="42dp"  
 android:layout\_marginBottom="28dp"  
 android:layout\_alignParentBottom="true"  
  
 android:text="Next"** />  
  
  
</**RelativeLayout**>

# Gradle

## Build.gradle(project)

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout 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"  
 android:background="@drawable/blue"  
 tools:context="com.example.lorcan.yourcf.InformationPage2"**>  
  
 <**ImageView  
 android:id="@+id/imageView2"  
 android:layout\_width="120dp"  
 android:layout\_height="120dp"  
 android:layout\_marginTop="17dp"  
 android:layout\_centerHorizontal="true"  
 app:srcCompat="@drawable/rbicon"** />  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="273dp"  
 android:layout\_height="220dp"  
 android:layout\_centerInParent="true"  
 android:fontFamily="sans-serif-condensed"  
 android:text="Welcome to your cystic fibrosis. The next page leads to a sign up page. This page only requires basic information in order for a user to set up an account with us. Once logged in you will have an option to create a profile. This profile will contain both personal and medical infomation. Select next to continue."  
 android:textColor="@android:color/white"  
 android:textSize="18sp"  
 app:layout\_constraintBottom\_toTopOf="@+id/btnNext"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView"** />  
  
 <**Button  
 android:id="@+id/btnNext"  
 style="@android:style/Widget.Material.Button.Borderless.Colored"  
 android:layout\_width="match\_parent"  
 android:layout\_height="42dp"  
 android:layout\_marginBottom="28dp"  
 android:layout\_alignParentBottom="true"  
  
 android:text="Next"** />  
  
  
</**RelativeLayout**>

## Build.gradle(module app)

*// Top-level build file where you can add configuration options common to all sub-projects/modules.*buildscript {  
   
 repositories {  
 google()  
 jcenter()  
 }  
 dependencies {  
 classpath **'com.android.tools.build:gradle:3.0.1'** classpath **'com.google.gms:google-services:3.2.0'** *// NOTE: Do not place your application dependencies here; they belong  
 // in the individual module build.gradle files* }  
}  
  
allprojects {  
 repositories {  
 google()  
 jcenter()  
 }  
}  
  
task clean(type: Delete) {  
 delete rootProject.buildDir  
}