

# Your Cystic Fibrosis Application Technical manual



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## 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 recycler_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
        recycler_menu = (RecyclerView)findViewById(R.id.recycler_menu);
        recycler_menu.setHasFixedSize(true);
        layoutManager = new LinearLayoutManager(this);
        recycler_menu.setLayoutManager(layoutManager);

        loadMenu();
    }

    private void loadMenu() {

        adapter = new FirebaseRecyclerAdapter<CategoryActivity,
        MenuViewHolder>(CategoryActivity.class, R.layout.menu_item, MenuViewHolder.class, cate
        gory) {
            @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);
                    }
                });
            }
        };
        recycler_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.recycler_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.cl
    ass, 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_imag
            e);

            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(getApplicationContext()).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(getApplicationContext()).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.recycler_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.orderBy
Child("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.recycler_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.orderBy
Child("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 recycler_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
    recycler_menu = (RecyclerView)findViewById(R.id.recycler_menu);
    recycler_menu.setHasFixedSize(true);
    layoutManager = new LinearLayoutManager(this);
    recycler_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 categoryid 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();
                }
            });
        }
    };
    recycler_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);

        }
    });
}

};
recycler_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(),e
dtdiabetes.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.ge
tText().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.AppBarLayout>

```

```

        </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/recycler_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/recycler_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"/>
    </LinearLayout>
</RelativeLayout>

```

```

<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/recycler_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 information. 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 information. 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 information. 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  
}
```