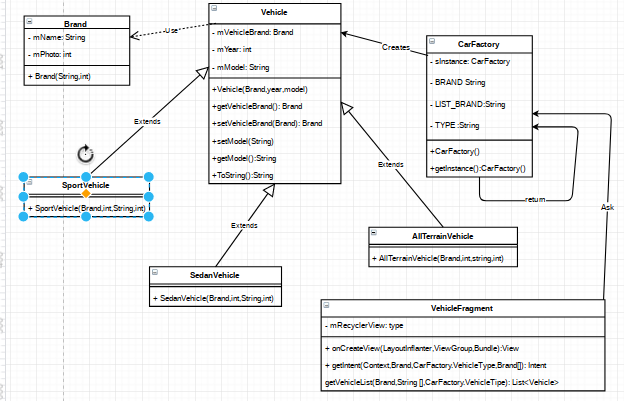
Nizar Sanchez (2018-6482)

Crear una aplicación que me de referencia de vehiculos deportivos, sedan, todo terreno. si quiero ver deportivos me muestre al menos 5 carros deportivos por marca para elegir si quiero ver sedan haga lo mismo y asi, si selecciono uno me muestre distintos años y modelo de ese. Usar uno de los tres patron de diseño mostrado en clase para resolver este problema. Crear un diagrama declase similiar al del ppt mostrando su resolusion de clases y organizar el código entendible. colocarlo en el WORD

**Diagrama de clases UML:**



AndroidManifest.xml

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

package="com.example.tarea8">

<application

android:allowBackup="true"

android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:supportsRtl="true"

android:theme="@style/AppTheme">

<activity android:name=".TypeActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<activity android:name=".BrandActivity">

</activity>

<activity android:name=".VehicleActivity">

</activity>

</application>

</manifest>

AllTerrainVehicle.java

package com.example.tarea8;

public class AllTerrainVehicle extends Vehicle {

public AllTerrainVehicle(Brand brand,String model,int year){

super(brand,model,year);

}

}

Brand.java

package com.example.tarea8;

import androidx.annotation.NonNull;

import java.io.Serializable;

public class Brand implements Serializable {

private String mName;

private int mPhoto;

public Brand(String name, int photo) {

mName = name;

mPhoto = photo;

}

public String getName() {

return mName;

}

public void setName(String name) {

mName = name;

}

public int getPhoto() {

return mPhoto;

}

public void setPhoto(int photo) {

mPhoto = photo;

}

@NonNull

@Override

public String toString() {

return getName();

}

}

BrandActivity.java

package com.example.tarea8;

import androidx.fragment.app.Fragment;

public class BrandActivity extends SingleFragmentActivity {

@Override

protected Fragment createFragment() {

return new BrandFragment();

}

}

BrandFragment.java

package com.example.tarea8;

import android.content.Context;

import android.content.Intent;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ImageView;

import android.widget.TextView;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import java.util.ArrayList;

import java.util.List;

public class BrandFragment extends Fragment {

private RecyclerView mRecyclerView;

private List<Brand> mBrands;

public static final String *TYPE*="Type";

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*recycler\_view*,null,false);

mBrands = new ArrayList<>();

mRecyclerView = view.findViewById(R.id.*recycler\_view*);

mRecyclerView.setLayoutManager(new LinearLayoutManager(getActivity()));

CarFactory.VehicleType type = (CarFactory.VehicleType)getActivity().getIntent().getSerializableExtra(*TYPE*);

Brand brand1 = null;

Brand brand2 = null;

switch (type){

case *SPORTVEHICLE*:

brand1= new Brand("Ferrari",R.drawable.*ferrari*);

brand2 = new Brand("Lamborgini",R.drawable.*lamborgini*);

break;

case *SEDAMVEHICLE*:

brand1 = new Brand("Hyundai",R.drawable.*hyundai*);

brand2 = new Brand("Honda",R.drawable.*honda*);

break;

case *ALLTERRAINVEHICLE*:

brand1 = new Brand("Suzuki",R.drawable.*suzuki*);

brand2 = new Brand("Yamaha",R.drawable.*yamaha*);

break;

}

mBrands.add(brand1);

mBrands.add(brand2);

BrandAdapter brandAdapter = new BrandAdapter(mBrands);

mRecyclerView.setAdapter(brandAdapter);

return view;

}

private class BrandAdapter extends RecyclerView.Adapter<BrandHolder>{

List<Brand> mBrands;

public BrandAdapter( List<Brand> brands){

mBrands= brands;

}

@NonNull

@Override

public BrandHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {

LayoutInflater inflater = LayoutInflater.*from*(getContext());

return new BrandHolder(inflater,parent,mBrands);

}

@Override

public void onBindViewHolder(@NonNull BrandHolder holder, int position) {

holder.bind(mBrands.get(position));

}

@Override

public int getItemCount() {

return mBrands.size();

}

}

private class BrandHolder extends RecyclerView.ViewHolder implements View.OnClickListener {

private ImageView mImageView;

private TextView mTextView;

private Brand mBrand;

private List<Brand> mBrands;

public BrandHolder(LayoutInflater inflater, ViewGroup group,List<Brand> brands){

super(inflater.inflate(R.layout.*brand\_list\_item*,group,false));

mImageView = itemView.findViewById(R.id.*image\_view\_brand*);

mTextView = itemView.findViewById(R.id.*text\_view\_name\_brand*);

itemView.setOnClickListener(this);

mBrands=brands;

}

@Override

public void onClick(View v) {

CarFactory.VehicleType vehicleType = (CarFactory.VehicleType) getActivity().getIntent().getSerializableExtra(*TYPE*);

Brand [] brands = new Brand[2];

for(int i=0;i<brands.length;i++){

brands[i]= mBrands.get(i);

}

Intent intent = VehicleFragment.*getIntent*(getContext(), mBrand, vehicleType,brands);

startActivity(intent);

}

public void bind(Brand brand){

mBrand= brand;

mTextView.setText(brand.getName());

mImageView.setImageResource(brand.getPhoto());

}

}

public static Intent getIntent(CarFactory.VehicleType vehicleType, Context context){

Intent intent = new Intent(context,BrandActivity.class);

intent.putExtra(*TYPE*,vehicleType);

return intent;

}

}

CarFactory.java

package com.example.tarea8;

public class CarFactory {

private static CarFactory *sCarFactory*;

private CarFactory(){

}

public static CarFactory get(){

if(*sCarFactory*==null){

*sCarFactory* = new CarFactory();

}

return *sCarFactory*;

}

public Vehicle getVehicle(VehicleType vehicleType,int year,Brand brand,String model){

switch (vehicleType){

case *SPORTVEHICLE*:

return new SportVehicle(brand,model,year);

case *SEDAMVEHICLE*:

return new SedanVehicle(brand,model,year);

case *ALLTERRAINVEHICLE*:

return new AllTerrainVehicle(brand,model,year);

default: return null;

}

}

public enum VehicleType {

*SPORTVEHICLE*,*SEDAMVEHICLE*,*ALLTERRAINVEHICLE*

}

}

SedanVehicle.java

package com.example.tarea8;

public class SedanVehicle extends Vehicle {

public SedanVehicle(Brand brand,String model,int year){

super(brand,model,year);

}

}

SingleFragmentActivity.java

package com.example.tarea8;

import android.os.Bundle;

import androidx.annotation.Nullable;

import androidx.appcompat.app.AppCompatActivity;

import androidx.fragment.app.Fragment;

import androidx.fragment.app.FragmentManager;

public abstract class SingleFragmentActivity extends AppCompatActivity {

protected Fragment mFragment;

protected abstract Fragment createFragment();

@Override

protected void onCreate(@Nullable Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*single\_fragment\_activity*);

FragmentManager fm = getSupportFragmentManager();

mFragment = fm.findFragmentById(R.id.*single\_fragment\_container*);

if(mFragment ==null){

mFragment = createFragment();

fm.beginTransaction().add(R.id.*single\_fragment\_container*,mFragment).commit();

}

}

}

SportVehicle.java

package com.example.tarea8;

public class SportVehicle extends Vehicle {

public SportVehicle(Brand brand,String model,int year){

super(brand,model,year);

}

}

TypeActivity.java

package com.example.tarea8;

import androidx.fragment.app.Fragment;

public class TypeActivity extends SingleFragmentActivity {

@Override

protected Fragment createFragment() {

return new TypeFragment ();

}

}

TypeFragment.java

package com.example.tarea8;

import android.content.Intent;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ImageView;

import android.widget.TextView;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

public class TypeFragment extends Fragment {

private RecyclerView mRecyclerView;

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*recycler\_view*,null,false);

mRecyclerView = view.findViewById(R.id.*recycler\_view*);

mRecyclerView.setLayoutManager(new LinearLayoutManager(getActivity()));

mRecyclerView.setAdapter(new TypeAdapter());

return view;

}

private class TypeAdapter extends RecyclerView.Adapter<VehicleHolder>{

private final int [] names = {R.string.*sport\_cars*,R.string.*sedan\_cars*,R.string.*all\_terrain\_cars*};

private final int [] photo = {R.drawable.*sport\_car*,R.drawable.*sedan\_car*,R.drawable.*all\_terrain\_auto*};

@NonNull

@Override

public VehicleHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {

LayoutInflater inflater = LayoutInflater.*from*(getContext());

return new VehicleHolder(inflater,parent);

}

@Override

public void onBindViewHolder(@NonNull VehicleHolder holder, int position) {

holder.bind(photo[position],names[position]);

}

@Override

public int getItemCount() {

return photo.length;

}

}

private class VehicleHolder extends RecyclerView.ViewHolder implements View.OnClickListener {

private ImageView mImageView;

private TextView mTextView;

private int mName;

public VehicleHolder(LayoutInflater inflater, ViewGroup group){

super(inflater.inflate(R.layout.*type\_list\_item*,group,false));

mImageView = itemView.findViewById(R.id.*image\_view\_type*);

mTextView = itemView.findViewById(R.id.*text\_view\_type*);

itemView.setOnClickListener(this);

}

@Override

public void onClick(View v) {

Intent intent ;

if(mName==R.string.*sport\_cars*){

intent = BrandFragment.*getIntent*(CarFactory.VehicleType.*SPORTVEHICLE*,getContext());

} else if (mName == R.string.*sedan\_cars*) {

intent = BrandFragment.*getIntent*(CarFactory.VehicleType.*SEDAMVEHICLE*,getContext());

}else{

intent = BrandFragment.*getIntent*(CarFactory.VehicleType.*ALLTERRAINVEHICLE*,getContext());

}

startActivity(intent);

}

public void bind(int image,int name){

mName = name;

mTextView.setText(name);

mImageView.setImageResource(image);

}

}

}

package com.example.tarea8;

import androidx.annotation.NonNull;

public abstract class Vehicle {

private Brand mVehicleBrand;

private int mYear;

private String mModel;

public Vehicle(Brand vehicleBrand,String model,int year){

this.mVehicleBrand= vehicleBrand;

this.mModel = model;

this.mYear = year;

}

public Brand getVehicleBrand() {

return mVehicleBrand;

}

public void setVehicleBrand(Brand vehicleBrand) {

mVehicleBrand = vehicleBrand;

}

public int getYear() {

return mYear;

}

public void setYear(int year) {

mYear = year;

}

public String getModel() {

return mModel;

}

public void setModel(String model) {

mModel = model;

}

@NonNull

@Override

public String toString() {

return getVehicleBrand().toString() + " "+ getModel() +" "+getYear();

}

}

Vehicle.java

package com.example.tarea8;

import androidx.annotation.NonNull;

public abstract class Vehicle {

private Brand mVehicleBrand;

private int mYear;

private String mModel;

public Vehicle(Brand vehicleBrand,String model,int year){

this.mVehicleBrand= vehicleBrand;

this.mModel = model;

this.mYear = year;

}

public Brand getVehicleBrand() {

return mVehicleBrand;

}

public void setVehicleBrand(Brand vehicleBrand) {

mVehicleBrand = vehicleBrand;

}

public int getYear() {

return mYear;

}

public void setYear(int year) {

mYear = year;

}

public String getModel() {

return mModel;

}

public void setModel(String model) {

mModel = model;

}

@NonNull

@Override

public String toString() {

return getVehicleBrand().toString() + " "+ getModel() +" "+getYear();

}

}

VehicleActivity.java

package com.example.tarea8;

import androidx.fragment.app.Fragment;

public class VehicleActivity extends SingleFragmentActivity {

@Override

protected Fragment createFragment() {

return new VehicleFragment();

}

}

VehicleFragment.java

package com.example.tarea8;

import android.content.Context;

import android.content.Intent;

import android.os.Bundle;

import android.view.LayoutInflater;

import android.view.View;

import android.view.ViewGroup;

import android.widget.ImageView;

import android.widget.TextView;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.Fragment;

import androidx.recyclerview.widget.LinearLayoutManager;

import androidx.recyclerview.widget.RecyclerView;

import java.io.Serializable;

import java.util.ArrayList;

import java.util.List;

public class VehicleFragment extends Fragment {

private static final String *BRAND* ="com.example.tarea8.Brand";

private static final String *TYPE*="Type";

private static final String *LIST\_BRAND* = "ListBrand";

private RecyclerView mRecyclerView;

@Nullable

@Override

public View onCreateView(@NonNull LayoutInflater inflater, @Nullable ViewGroup container, @Nullable Bundle savedInstanceState) {

View view = inflater.inflate(R.layout.*recycler\_view*,null,false);

mRecyclerView = view.findViewById(R.id.*recycler\_view*);

mRecyclerView.setLayoutManager(new LinearLayoutManager(getContext()));

Brand brandSelected = (Brand)getActivity().getIntent().getSerializableExtra(*BRAND*);

CarFactory.VehicleType vehicleType = (CarFactory.VehicleType) getActivity()

.getIntent().getSerializableExtra(*TYPE*);

String[] brands = getActivity().getIntent().getStringArrayExtra(*LIST\_BRAND*);

String [] models1 = null;

switch (vehicleType){

case *SPORTVEHICLE*:

if(brandSelected.toString().equals(brands[0])){

String [] models = {"812superfast","812gts","sf90stradle","f8tributo","f8spider"};

models1=models;

}else{

String [] models = {"Veneno","Centenario","Aventador","Huracan","Urus"};

models1=models;

}

break;

case *SEDAMVEHICLE*:

if(brandSelected.toString().equals(brands[0])){

String [] models = {"Sonata","Ioniq","Elantra","Accent","Grandeur"};

models1=models;

}else{

String [] models = {"Civic","Insight","Accord","Clarity","Urus"};

models1=models;

}

break;

case *ALLTERRAINVEHICLE*:

if(brandSelected.toString().equals(brands[0])){

String [] models = {"Z400","Z250","Z90","Z50","R450"};

models1=models;

}else{

String [] models = {"Raptor 90","YFZ50","700R","YFZ450R","Raptor 700"};

models1=models;

}

break;

}

List<Vehicle> vehicles = getVehicleList(brandSelected,models1,vehicleType);

VehicleAdapter adapter = new VehicleAdapter(vehicles);

mRecyclerView.setAdapter(adapter);

return view;

}

private class VehicleAdapter extends RecyclerView.Adapter<VehicleFragment.VehicleHolder>{

private List<Vehicle> mVehicles;

public VehicleAdapter(List<Vehicle> vehicles){

this.mVehicles=vehicles;

}

@NonNull

@Override

public VehicleFragment.VehicleHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {

LayoutInflater inflater = LayoutInflater.*from*(getContext());

return new VehicleFragment.VehicleHolder(inflater,parent);

}

@Override

public void onBindViewHolder(@NonNull VehicleFragment.VehicleHolder holder, int position) {

holder.bind(mVehicles.get(position));

}

@Override

public int getItemCount() {

return mVehicles.size();

}

}

private class VehicleHolder extends RecyclerView.ViewHolder {

private TextView mTextView;

public VehicleHolder(LayoutInflater inflater, ViewGroup group){

super(inflater.inflate(R.layout.*vehicle\_list\_item*,group,false));

mTextView = itemView.findViewById(R.id.*text\_view\_vehicle*);

}

public void bind(Vehicle vehicle){

mTextView.setText(vehicle.toString());

}

}

public static Intent getIntent(Context context, Brand brandSelected,

CarFactory.VehicleType vehicleType,Brand[] brands)

{

String[] brandStringArray= new String [brands.length];

for(int i=0;i<brands.length;i++){

brandStringArray[i] =brands[i].toString();

}

Intent intent = new Intent(context,VehicleActivity.class);

intent.putExtra(*BRAND*,brandSelected);

intent.putExtra(*TYPE*,vehicleType);

intent.putExtra(*LIST\_BRAND*,brandStringArray);

return intent;

}

private List<Vehicle> getVehicleList(Brand brand, String [] models, CarFactory.VehicleType type){

int [] years ={2010,2012,2016,2018,2014};

List<Vehicle> vehicles = new ArrayList<>();

for (int i=0;i<models.length;i++){

for(int j=0;j<years.length;j++){

vehicles.add(CarFactory.*get*().getVehicle(type,years[j],brand,models[i]));

}

}

return vehicles;

}

}

ExampleInstrumentedUnitTest.java

package com.example.tarea8;

import android.content.Context;

import androidx.test.platform.app.InstrumentationRegistry;

import androidx.test.ext.junit.runners.AndroidJUnit4;

import org.junit.Test;

import org.junit.runner.RunWith;

import static org.junit.Assert.\*;

*/\*\**

*\* Instrumented test, which will execute on an Android device.*

*\**

*\** ***@see*** *<a href="http://d.android.com/tools/testing">Testing documentation</a>*

*\*/*

@RunWith(AndroidJUnit4.class)

public class ExampleInstrumentedTest {

@Test

public void useAppContext() {

// Context of the app under test.

Context appContext = InstrumentationRegistry.*getInstrumentation*().getTargetContext();

*assertEquals*("com.example.tarea8", appContext.getPackageName());

}

}

ExampleUnitTest.java

package com.example.tarea8;

import android.content.Context;

import androidx.test.platform.app.InstrumentationRegistry;

import androidx.test.ext.junit.runners.AndroidJUnit4;

import org.junit.Test;

import org.junit.runner.RunWith;

import static org.junit.Assert.\*;

*/\*\**

*\* Instrumented test, which will execute on an Android device.*

*\**

*\** ***@see*** *<a href="http://d.android.com/tools/testing">Testing documentation</a>*

*\*/*

@RunWith(AndroidJUnit4.class)

public class ExampleInstrumentedTest {

@Test

public void useAppContext() {

// Context of the app under test.

Context appContext = InstrumentationRegistry.*getInstrumentation*().getTargetContext();

*assertEquals*("com.example.tarea8", appContext.getPackageName());

}

}

brand\_list\_item.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<TextView

android:id="@+id/text\_view\_name\_brand"

android:layout\_width="221dp"

android:layout\_height="25dp"

android:textSize="14sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="@+id/image\_view\_brand"

app:layout\_constraintHorizontal\_bias="0.356"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.555" />

<ImageView

android:id="@+id/image\_view\_brand"

android:layout\_width="92dp"

android:layout\_height="94dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.0"

tools:srcCompat="@tools:sample/avatars[5]" />

</androidx.constraintlayout.widget.ConstraintLayout>

recyvler\_view.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.recyclerview.widget.RecyclerView

xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:id="@+id/recycler\_view"

>

</androidx.recyclerview.widget.RecyclerView>

single\_fragment\_activity.xml

<?xml version="1.0" encoding="utf-8"?>

<FrameLayout

xmlns:android="http://schemas.android.com/apk/res/android"

android:orientation="vertical" android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:id="@+id/single\_fragment\_container"

>

</FrameLayout>

type\_list\_item.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:orientation="horizontal" android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<TextView

android:id="@+id/text\_view\_type"

android:layout\_width="261dp"

android:layout\_height="27dp"

android:layout\_marginStart="136dp"

android:layout\_marginLeft="136dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.505" />

<ImageView

android:id="@+id/image\_view\_type"

android:layout\_width="101dp"

android:layout\_height="122dp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

tools:srcCompat="@tools:sample/avatars[1]" />

</androidx.constraintlayout.widget.ConstraintLayout>

vehicle\_list\_item.xml

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout

xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="vertical"

>

<TextView

android:id="@+id/text\_view\_vehicle"

android:layout\_width="match\_parent"

android:layout\_height="33dp">

</TextView>

</LinearLayout>

colors.xml

<?xml version="1.0" encoding="utf-8"?>

<resources>

<color name="colorPrimary">#008577</color>

<color name="colorPrimaryDark">#00574B</color>

<color name="colorAccent">#D81B60</color>

</resources>

strings.xml

<resources>

<string name="app\_name">Tarea8</string>

<string name="sport\_cars">Sport cars</string>

<string name="sedan\_cars">Sedan cars</string>

<string name="all\_terrain\_cars">All terrain cars</string>

</resources>

styles.xml

<resources>

<!-- Base application theme. -->

<style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">

<!-- Customize your theme here. -->

<item name="colorPrimary">@color/colorPrimary</item>

<item name="colorPrimaryDark">@color/colorPrimaryDark</item>

<item name="colorAccent">@color/colorAccent</item>

</style>

</resources>

ic\_launcher\_background.xml

<?xml version="1.0" encoding="utf-8"?>

<vector xmlns:android="http://schemas.android.com/apk/res/android"

android:width="108dp"

android:height="108dp"

android:viewportWidth="108"

android:viewportHeight="108">

<path

android:fillColor="#008577"

android:pathData="M0,0h108v108h-108z" />

<path

android:fillColor="#00000000"

android:pathData="M9,0L9,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M19,0L19,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M29,0L29,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M39,0L39,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M49,0L49,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M59,0L59,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M69,0L69,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M79,0L79,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M89,0L89,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M99,0L99,108"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,9L108,9"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,19L108,19"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,29L108,29"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,39L108,39"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,49L108,49"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,59L108,59"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,69L108,69"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,79L108,79"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,89L108,89"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M0,99L108,99"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M19,29L89,29"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M19,39L89,39"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M19,49L89,49"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M19,59L89,59"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M19,69L89,69"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M19,79L89,79"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M29,19L29,89"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M39,19L39,89"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M49,19L49,89"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M59,19L59,89"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M69,19L69,89"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

<path

android:fillColor="#00000000"

android:pathData="M79,19L79,89"

android:strokeWidth="0.8"

android:strokeColor="#33FFFFFF" />

</vector>

ic\_launcher\_foreground.xml

<vector xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:aapt="http://schemas.android.com/aapt"

android:width="108dp"

android:height="108dp"

android:viewportWidth="108"

android:viewportHeight="108">

<path

android:fillType="evenOdd"

android:pathData="M32,64C32,64 38.39,52.99 44.13,50.95C51.37,48.37 70.14,49.57 70.14,49.57L108.26,87.69L108,109.01L75.97,107.97L32,64Z"

android:strokeWidth="1"

android:strokeColor="#00000000">

<aapt:attr name="android:fillColor">

<gradient

android:endX="78.5885"

android:endY="90.9159"

android:startX="48.7653"

android:startY="61.0927"

android:type="linear">

<item

android:color="#44000000"

android:offset="0.0" />

<item

android:color="#00000000"

android:offset="1.0" />

</gradient>

</aapt:attr>

</path>

<path

android:fillColor="#FFFFFF"

android:fillType="nonZero"

android:pathData="M66.94,46.02L66.94,46.02C72.44,50.07 76,56.61 76,64L32,64C32,56.61 35.56,50.11 40.98,46.06L36.18,41.19C35.45,40.45 35.45,39.3 36.18,38.56C36.91,37.81 38.05,37.81 38.78,38.56L44.25,44.05C47.18,42.57 50.48,41.71 54,41.71C57.48,41.71 60.78,42.57 63.68,44.05L69.11,38.56C69.84,37.81 70.98,37.81 71.71,38.56C72.44,39.3 72.44,40.45 71.71,41.19L66.94,46.02ZM62.94,56.92C64.08,56.92 65,56.01 65,54.88C65,53.76 64.08,52.85 62.94,52.85C61.8,52.85 60.88,53.76 60.88,54.88C60.88,56.01 61.8,56.92 62.94,56.92ZM45.06,56.92C46.2,56.92 47.13,56.01 47.13,54.88C47.13,53.76 46.2,52.85 45.06,52.85C43.92,52.85 43,53.76 43,54.88C43,56.01 43.92,56.92 45.06,56.92Z"

android:strokeWidth="1"

android:strokeColor="#00000000" />

</vector>

ic\_launcher.xml

<?xml version="1.0" encoding="utf-8"?>

<adaptive-icon xmlns:android="http://schemas.android.com/apk/res/android">

<background android:drawable="@drawable/ic\_launcher\_background" />

<foreground android:drawable="@drawable/ic\_launcher\_foreground" />

</adaptive-icon>

ic\_launcher\_round.xml

<?xml version="1.0" encoding="utf-8"?>

<adaptive-icon xmlns:android="http://schemas.android.com/apk/res/android">

<background android:drawable="@drawable/ic\_launcher\_background" />

<foreground android:drawable="@drawable/ic\_launcher\_foreground" />

</adaptive-icon>