**Student Name: Abdul Rehman Khan**

**Student ID: 021-18-45278**

**Course Name: Mobile Application**

**Instructor Name: Sir Danial Nawaz**

**Spring 2020**

**XML Files**

**Manifest:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="com.ark.automobile"**>  
  
 <**uses-permission android:name="android.permission.INTERNET"** />  
 <**uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE"** />  
 <**uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE"** />  
 <**uses-permission android:name="android.permission.WRITE\_EXTERNAL\_STORAGE"** />  
  
 <**application  
 android:name="com.ark.automobile.commoners.Automobile"  
 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/MyMaterialTheme"**>  
 <**activity android:name="com.ark.automobile.activities.SecondActivity"**></**activity**>  
 <**activity android:name="com.ark.automobile.activities.Splash"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 <**activity  
 android:name="com.ark.automobile.activities.MainActivity"  
 android:configChanges="orientation"  
 android:launchMode="singleInstance"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.commoners.BaseActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.activities.ChatActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"  
 android:windowSoftInputMode="adjustResize"** />  
 <**activity  
 android:name="com.ark.automobile.activities.CarActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.activities.WatchlistActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.activities.SettingsActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.activities.MyUploadsActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.activities.OrdersActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.activities.MyOrdersActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.ark.automobile.activities.PartActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"** />  
 <**activity  
 android:name="com.theartofdev.edmodo.cropper.CropImageActivity"  
 android:theme="@style/Base.Theme.AppCompat"** />  
 <**activity  
 android:name="com.ark.automobile.activities.AuthActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"  
 android:windowSoftInputMode="adjustPan"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 <**activity  
 android:name="com.ark.automobile.activities.AddCarActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"  
 android:windowSoftInputMode="adjustPan"** />  
 <**activity  
 android:name="com.ark.automobile.activities.AddPartActivity"  
 android:configChanges="orientation"  
 android:screenOrientation="fullSensor"  
 android:windowSoftInputMode="adjustPan"** />  
 <**activity android:name="com.ark.automobile.activities.SalesActivity"** />  
 </**application**>  
  
</**manifest**>

**Drawables:**

<**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**>

**Colors:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
 <**color name="colorPrimary"**>#117B8F</**color**>  
 <**color name="colorPrimaryDark"**>#00687C</**color**>  
 <**color name="colorAccent"**>#64AE42</**color**>  
 <**color name="colorPrimaryLight"**>#a2b7ce</**color**>  
  
 <**color name="inactiveColor"**>#8c8c8c</**color**>  
 <**color name="secondaryText"**>#D9757575</**color**>  
 <**color name="textGray"**>#616161</**color**>  
 <**color name="primaryText"**>#212121</**color**>  
 <**color name="timeColor"**>#A6616161</**color**>  
 <**color name="white"**>#FFFFFF</**color**>  
 <**color name="light\_background"**>#f2f2f2</**color**>  
 <**color name="rvDivider"**>#CCe0e0e0</**color**>  
 <**color name="lightGray"**>#e6e6e6</**color**>  
 <**color name="pink"**>#ec407a</**color**>  
 <**color name="red"**>#e53935</**color**>  
</**resources**>

**Dimens:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**resources**>  
  
 // Texts  
 <**dimen name="username"**>15sp</**dimen**>  
 <**dimen name="time"**>11sp</**dimen**>  
 <**dimen name="name"**>14sp</**dimen**>  
 <**dimen name="location"**>12sp</**dimen**>  
 <**dimen name="message\_hint"**>14sp</**dimen**>  
 <**dimen name="notif\_summary"**>15.5sp</**dimen**>  
  
 // Views  
 <**dimen name="avatar"**>35dp</**dimen**>  
 <**dimen name="notif\_padding\_v"**>10dp</**dimen**>  
 <**dimen name="notif\_padding\_h"**>10dp</**dimen**>  
 <**dimen name="small\_padding"**>5dp</**dimen**>  
  
 <**dimen name="settings\_padding"**>20dp</**dimen**>  
 <**dimen name="settings\_header\_padding"**>15dp</**dimen**>  
 <**dimen name="grid\_expected\_size"**>120dp</**dimen**>  
  
</**resources**>

**Strings:**

<**resources**>  
 <**string name="app\_name"**>AutoMobile</**string**>  
  
 <**string name="dot"**>\u2022</**string**>  
 <**string name="sample\_features"**>2004 \u2022 48000km \u2022 Manual</**string**>  
 <**string name="sample\_description"**>  
 This car is in tip-top shape and has been serviced and maintained by general motors  
 since purchase. It is mechanically sound with a still impeccable paint job that  
 makes it look as good as new. Feel free to make any inquiry  
 </**string**>  
  
 <**string name="play\_store\_link"**>https://play.google.com/store/apps/details?id=</**string**>  
 <**string name="notifications"**>Notifications</**string**>  
 <**string name="news\_and\_updates"**>News **&amp;** updates</**string**>  
 <**string name="general"**>General</**string**>  
 <**string name="about"**>About</**string**>  
 <**string name="terms\_of\_use"**>Terms of use</**string**>  
 <**string name="privacy\_policy"**>Privacy policy</**string**>  
 <**string name="rate\_app"**>Rate app</**string**>  
 <**string name="send\_feedback"**>Send Feedback</**string**>  
  
 <**string name="image"**>image</**string**>  
 <**string name="register"**>Register</**string**>  
 <**string name="login"**>Login</**string**>  
 <**string name="password"**>Password</**string**>  
 <**string name="email\_address"**>Email address</**string**>  
 <**string name="phone"**>Phone</**string**>  
 <**string name="already\_have\_an\_account"**>Already have an account?</**string**>  
 <**string name="confirm\_password"**>Confirm password</**string**>  
 <**string name="forgot\_password"**>Forgot password?</**string**>  
 <**string name="terms"**>Terms and Conditions</**string**>  
 <**string name="agree\_to\_terms"**>I accept the</**string**>  
 <**string name="not\_a\_member\_yet"**>Not a member yet?</**string**>  
 <**string name="sign\_up"**>SIGN UP</**string**>  
 <**string name="username"**>Full name</**string**>  
  
 *<!--* ***TODO: Remove or change this placeholder text*** *-->* <**string name="error\_gif"**>x or y bound size should be at least %1$dpx and file size should be no more than %2$sM</**string**>  
 <**string name="hello\_blank\_fragment"**>Hello blank fragment</**string**>  
 <**string name="logout"**>Log out</**string**>  
 <**string name="basic\_information"**>Basic information</**string**>  
 <**string name="year"**>Year</**string**>  
 <**string name="model"**>Model</**string**>  
 <**string name="make"**>Make</**string**>  
 <**string name="body\_type"**>Body Type</**string**>  
 <**string name="fuel\_type"**>Fuel Type</**string**>  
 <**string name="car\_details"**>Car details</**string**>  
 <**string name="transmission"**>Transmission</**string**>  
 <**string name="drive\_type"**>Drive Type</**string**>  
 <**string name="cc"**>Engine capacity</**string**>  
 <**string name="engine\_capacity"**>Engine Capacity</**string**>  
 <**string name="mileage"**>Mileage</**string**>  
 <**string name="car\_features"**>Car features</**string**>  
 <**string name="engine"**>Engine</**string**>  
 <**string name="naturally\_aspirated"**>Naturally aspirated</**string**>  
 <**string name="turbo\_charged"**>Turbo charged</**string**>  
 <**string name="supercharged"**>Supercharged</**string**>  
 <**string name="safety"**>Safety</**string**>  
 <**string name="airbags"**>Airbags</**string**>  
 <**string name="abs"**>Anti-lock brakes</**string**>  
 <**string name="fog\_lamps"**>Fog lamps</**string**>  
 <**string name="reverse\_camera"**>Reverse camera</**string**>  
 <**string name="interior"**>Interior</**string**>  
 <**string name="leather\_upholstery"**>Leather upholstery</**string**>  
 <**string name="electric\_windows"**>Electric windows</**string**>  
 <**string name="cups"**>Cup holders</**string**>  
 <**string name="air\_conditioning"**>Air conditioning</**string**>  
 <**string name="tinted"**>Tinted windows</**string**>  
 <**string name="extras"**>Extras</**string**>  
 <**string name="sunroof"**>Sunroof</**string**>  
 <**string name="keyless\_entry"**>Keyless entry</**string**>  
 <**string name="alloys"**>Alloy wheels</**string**>  
 <**string name="power"**>Power steering</**string**>  
 <**string name="upload\_photos"**>Upload photos</**string**>  
 <**string name="add\_atleast\_5\_photos"**>(Add atleast 5 photos)</**string**>  
 <**string name="add\_atleast\_2\_photos"**>(Add atleast 2 photos)</**string**>  
 <**string name="choose\_photos"**>Choose photos</**string**>  
 <**string name="info"**>Information</**string**>  
 <**string name="desc"**>Description</**string**>  
 <**string name="add\_desc"**>Add a description about the car...</**string**>  
 <**string name="add\_part\_desc"**>Add a description about the part...</**string**>  
 <**string name="asking\_price"**>Asking price</**string**>  
 <**string name="location"**>Location</**string**>  
 <**string name="post\_car"**>Post car</**string**>  
 <**string name="title"**>Title</**string**>  
 <**string name="part\_info"**>Part information</**string**>  
 <**string name="part\_details"**>Part details</**string**>  
 <**string name="condition"**>Condition</**string**>  
 <**string name="category"**>Category</**string**>  
 <**string name="part\_number"**>Part number</**string**>  
 <**string name="post\_part"**>Post part</**string**>  
 <**string name="vehicle\_make"**>Vehicle make</**string**>  
 <**string name="vehicle\_model"**>Vehicle model</**string**>  
 <**string name="no\_cars\_uploaded\_yet"**>No cars added yet</**string**>  
 <**string name="no\_cars\_posted\_yet"**>No cars posted yet</**string**>  
 <**string name="quantity"**>Quantity</**string**>  
 <**string name="quantity\_available"**>Quantity available</**string**>  
 <**string name="no\_parts\_added\_yet"**>No parts added yet</**string**>  
 <**string name="no\_parts\_posted\_yet"**>No parts posted yet</**string**>  
 <**string name="no\_chats"**>No chats added yet</**string**>  
 <**string name="no\_messages\_added\_yet"**>No messages added yet</**string**>  
 <**string name="how\_many\_parts\_do\_you\_need"**>How many parts do you need?</**string**>  
 <**string name="delivery\_location"**>Enter delivery location</**string**>  
 <**string name="date"**>Date</**string**>  
 <**string name="which\_date\_would\_you\_like\_to\_book"**>Which date would you like to book?</**string**>  
 <**string name="time"**>Time</**string**>  
 <**string name="what\_time\_would\_you\_like\_to\_book"**>What time would you like to book?</**string**>  
 <**string name="lastname"**>Last name</**string**>  
 <**string name="firstname"**>First name</**string**>  
  
 <**string-array name="holder"**>  
 <**item name="category"**>Please select</**item**>  
 </**string-array**>  
  
 <**string-array name="makes"**>  
 <**item name="toyota"**>Toyota</**item**>  
 <**item name="mazda"**>Mazda</**item**>  
 <**item name="subaru"**>Subaru</**item**>  
 <**item name="honda"**>Honda</**item**>  
 <**item name="benz"**>Mercedes Benz</**item**>  
 <**item name="bmw"**>BMW</**item**>  
 </**string-array**>  
  
 <**string-array name="mazda"**>  
 <**item name="premacy"**>Premacy</**item**>  
 <**item name="demio"**>Demio</**item**>  
 <**item name="axela"**>Axela</**item**>  
 <**item name="cx5"**>CX-5</**item**>  
 <**item name="atenza"**>Atenza</**item**>  
 <**item name="verisa"**>Verisa</**item**>  
 </**string-array**>  
  
 <**string-array name="subaru"**>  
 <**item name="legacy"**>Legacy</**item**>  
 <**item name="outback"**>Outback</**item**>  
 <**item name="forester"**>Forester</**item**>  
 <**item name="imprezza"**>Imprezza</**item**>  
 <**item name="xv"**>XV</**item**>  
 <**item name="exiga"**>Exiga</**item**>  
 </**string-array**>  
  
 <**string-array name="honda"**>  
 <**item name="fit"**>Fit</**item**>  
 <**item name="airwave"**>Airwave</**item**>  
 <**item name="civic"**>Civic</**item**>  
 <**item name="crv"**>CR-V</**item**>  
 <**item name="crossroad"**>Crossroad</**item**>  
 <**item name="accord"**>Accord</**item**>  
 </**string-array**>  
  
 <**string-array name="benz"**>  
 <**item name="c200"**>C200</**item**>  
 <**item name="e250"**>E250</**item**>  
 <**item name="a180"**>A180</**item**>  
 <**item name="ml350"**>ML350</**item**>  
 <**item name="c250"**>C250 Coupe</**item**>  
 <**item name="gl300"**>GL300</**item**>  
 </**string-array**>  
  
 <**string-array name="bmw"**>  
 <**item name="318"**>318i</**item**>  
 <**item name="325"**>325i</**item**>  
 <**item name="525"**>535i</**item**>  
 <**item name="x5"**>X5</**item**>  
 <**item name="x6"**>X6</**item**>  
 <**item name="m5"**>M5</**item**>  
 </**string-array**>  
  
 <**string-array name="toyota"**>  
 <**item name="corolla"**>Corolla</**item**>  
 <**item name="premio"**>Premio</**item**>  
 <**item name="fielder"**>Fielder</**item**>  
 <**item name="prado"**>Landcruiser Prado</**item**>  
 <**item name="harrier"**>Harrier</**item**>  
 <**item name="hilux"**>Hilux</**item**>  
 <**item name="prado"**>Landcruiser Prado</**item**>  
 <**item name="nze"**>NZE</**item**>  
 <**item name="axio"**>Axio</**item**>  
 <**item name="vitz"**>Vitz</**item**>  
 </**string-array**>  
  
 <**string-array name="condition"**>  
 <**item name="new"**>Brand New</**item**>  
 <**item name="used"**>Used</**item**>  
 </**string-array**>  
  
 <**string-array name="category"**>  
 <**item name="accessories"**>Accessories</**item**>  
 <**item name="body"**>Body **&amp;** Trim</**item**>  
 <**item name="braking"**>Braking</**item**>  
 <**item name="cooling"**>Cooling</**item**>  
 <**item name="engine"**>Engine</**item**>  
 <**item name="fluids"**>Fluids</**item**>  
 <**item name="suspension"**>Suspension</**item**>  
 <**item name="transmission"**>Transmission</**item**>  
 <**item name="wheels"**>Wheels **&amp;** Tyres</**item**>  
 </**string-array**>  
  
 <**string-array name="year"**>  
 <**item name="98"**>1998</**item**>  
 <**item name="99"**>1999</**item**>  
 <**item name="00"**>2000</**item**>  
 <**item name="01"**>2001</**item**>  
 <**item name="02"**>2002</**item**>  
 <**item name="03"**>2003</**item**>  
 <**item name="04"**>2004</**item**>  
 <**item name="05"**>2005</**item**>  
 <**item name="06"**>2006</**item**>  
 <**item name="07"**>2007</**item**>  
 <**item name="08"**>2008</**item**>  
 <**item name="09"**>2009</**item**>  
 <**item name="10"**>2010</**item**>  
 <**item name="11"**>2011</**item**>  
 <**item name="12"**>2012</**item**>  
 <**item name="13"**>2013</**item**>  
 <**item name="14"**>2014</**item**>  
 <**item name="15"**>2015</**item**>  
 <**item name="16"**>2016</**item**>  
 <**item name="17"**>2017</**item**>  
 <**item name="18"**>2018</**item**>  
 </**string-array**>  
  
 <**string-array name="body"**>  
 <**item name="hatchback"**>Hatchback</**item**>  
 <**item name="sedan"**>Sedan</**item**>  
 <**item name="convertible"**>Convertible</**item**>  
 <**item name="suv"**>SUV/Crossover</**item**>  
 <**item name="wagon"**>Wagon</**item**>  
 <**item name="pickup"**>Pickup</**item**>  
 </**string-array**>  
  
 <**string-array name="fuel"**>  
 <**item name="petrol"**>Petrol</**item**>  
 <**item name="diesel"**>Diesel</**item**>  
 <**item name="electric"**>Electric</**item**>  
 <**item name="hybrid"**>Hybrid</**item**>  
 </**string-array**>  
  
 <**string-array name="transmission"**>  
 <**item name="auto"**>Automatic</**item**>  
 <**item name="manual"**>Manual</**item**>  
 <**item name="cvt"**>CVT</**item**>  
 </**string-array**>  
  
 <**string-array name="drive"**>  
 <**item name="2wd"**>2WD</**item**>  
 <**item name="4wd"**>4WD</**item**>  
 <**item name="awd"**>AWD</**item**>  
 </**string-array**>  
  
</**resources**>

**Styles:**

<**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**>  
  
 <**style name="MyMaterialTheme" parent="MyMaterialTheme.Base"**>  
  
 </**style**>  
  
 <**style name="MyMaterialTheme.Base" parent="Theme.AppCompat.Light.NoActionBar"**>  
 <**item name="windowNoTitle"**>true</**item**>  
 <**item name="windowActionBar"**>false</**item**>  
 <**item name="colorPrimary"**>@color/colorPrimary</**item**>  
 <**item name="colorPrimaryDark"**>@color/colorPrimaryDark</**item**>  
 <**item name="colorAccent"**>@color/colorAccent</**item**>  
 <**item name="android:fontFamily"**>@font/exo</**item**>  
 </**style**>  
  
 <**style name="BoldTextView" parent="TextAppearance.AppCompat"**>  
 <**item name="android:fontFamily"**>@font/exo\_bold</**item**>  
 </**style**>  
  
 <**style name="SettingsTile"**>  
 <**item name="android:padding"**>@dimen/settings\_padding</**item**>  
 <**item name="android:textColor"**>@android:color/black</**item**>  
 <**item name="android:background"**>@android:color/white</**item**>  
 <**item name="android:layout\_marginTop"**>1dp</**item**>  
 </**style**>  
  
 <**style name="spinner\_style"**>  
 <**item name="android:layout\_width"**>match\_parent</**item**>  
 <**item name="android:layout\_height"**>wrap\_content</**item**>  
 <**item name="android:background"**>@drawable/spinner\_drawable</**item**>  
 <**item name="android:paddingLeft"**>8dp</**item**>  
 <**item name="android:paddingRight"**>20dp</**item**>  
 <**item name="android:paddingTop"**>5dp</**item**>  
 <**item name="android:paddingBottom"**>5dp</**item**>  
 <**item name="android:popupBackground"**>#DFFFFFFF</**item**>  
 </**style**>  
  
  
</**resources**>

**Layouts:**

**Add Car:**

*<?***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/light\_background"  
 tools:context=".activities.AddCarActivity"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 style="?android:actionBarStyle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:background="@color/colorPrimary"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"** />  
  
 <**ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@id/toolbar"  
 android:fillViewport="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:optRoundCardElevation="5dp"**>  
  
 <**android.support.constraint.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/basic\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/basic\_information"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/make\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/make"  
 android:textStyle="bold"  
 app:layout\_constraintTop\_toBottomOf="@id/basic\_title"** />  
  
 <**Spinner  
 android:id="@+id/make"  
 style="@style/spinner\_style"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:entries="@array/makes"  
 android:spinnerMode="dialog"  
 app:layout\_constraintTop\_toBottomOf="@id/make\_title"** />  
  
 <**TextView  
 android:id="@+id/model\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/model"  
 android:textStyle="bold"  
 app:layout\_constraintTop\_toBottomOf="@id/make"** />  
  
 <**Spinner  
 android:id="@+id/model"  
 style="@style/spinner\_style"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:entries="@array/holder"  
 android:spinnerMode="dialog"  
 app:layout\_constraintTop\_toBottomOf="@id/model\_title"** />  
  
 <**TextView  
 android:id="@+id/year\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/year"  
 android:textStyle="bold"  
 app:layout\_constraintTop\_toBottomOf="@id/model"** />  
  
 <**Spinner  
 android:id="@+id/year"  
 style="@style/spinner\_style"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:entries="@array/year"  
 android:spinnerMode="dialog"  
 app:layout\_constraintTop\_toBottomOf="@id/year\_title"** />  
  
 <**TextView  
 android:id="@+id/condition\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/condition"  
 android:textStyle="bold"  
 app:layout\_constraintTop\_toBottomOf="@id/year"** />  
  
 <**Spinner  
 android:id="@+id/condition"  
 style="@style/spinner\_style"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:entries="@array/condition"  
 android:spinnerMode="dialog"  
 app:layout\_constraintTop\_toBottomOf="@id/condition\_title"** />  
  
 </**android.support.constraint.ConstraintLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 app:optRoundCardElevation="5dp"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/details\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/car\_details"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:layout\_marginTop="10dp"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/body\_type"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/bodyType"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/body"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/fuel\_type"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/fuelType"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/fuel"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/transmission"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/transmission"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/transmission"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/drive\_type"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/driveType"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/drive"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/engine\_capacity"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**EditText  
 android:id="@+id/cc"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/cc"  
 android:inputType="number"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/mileage"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**EditText  
 android:id="@+id/mileage"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/mileage"  
 android:inputType="number"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
  
 </**LinearLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 app:optRoundCardElevation="5dp"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/features\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/car\_features"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/engine\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/engine"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/na"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/naturally\_aspirated"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/turbo"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/turbo\_charged"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/supercharged"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/supercharged"** />  
  
 </**LinearLayout**>  
  
 <**TextView  
 android:id="@+id/interior\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/interior"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/leather"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/leather\_upholstery"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/electric"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/electric\_windows"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/cups"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/cups"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/ac"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/air\_conditioning"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/windows"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/tinted"** />  
  
 </**LinearLayout**>  
  
 <**TextView  
 android:id="@+id/safety\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/safety"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/abs"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/abs"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/airbags"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/airbags"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/fogs"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/fog\_lamps"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/camera"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/reverse\_camera"** />  
  
 </**LinearLayout**>  
  
 <**TextView  
 android:id="@+id/extras\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/extras"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/sunroof"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/sunroof"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/keyless"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/keyless\_entry"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/alloys"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/alloys"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="5dp"  
 android:paddingBottom="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/power"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/power"** />  
  
 </**LinearLayout**>  
  
 </**LinearLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 app:optRoundCardElevation="5dp"**>  
  
 <**android.support.constraint.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/photos\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/upload\_photos"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/add\_atleast\_5\_photos"  
 android:textColor="@color/secondaryText"  
 android:textSize="12sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="@id/photos\_title"  
 app:layout\_constraintStart\_toEndOf="@id/photos\_title"** />  
  
 <**ImageView  
 android:id="@+id/mainImage"  
 android:layout\_width="match\_parent"  
 android:layout\_height="250dp"  
 android:layout\_marginTop="10dp"  
 android:scaleType="centerCrop"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/photos\_title"  
 tools:src="@drawable/one"** />  
  
 <**android.support.v7.widget.RecyclerView  
 android:id="@+id/photosRv"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="100dp"  
 android:layout\_marginTop="10dp"  
 android:overScrollMode="never"  
 android:visibility="gone"  
 app:layout\_constraintTop\_toBottomOf="@id/mainImage"  
 tools:listitem="@layout/item\_image"** />  
  
 <**TextView  
 android:id="@+id/addPhoto"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:background="@drawable/wire\_button"  
 android:drawablePadding="10dp"  
 android:gravity="center\_vertical"  
 android:padding="10dp"  
 android:text="@string/choose\_photos"  
 android:textColor="@color/colorPrimary"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/photosRv"** />  
  
 </**android.support.constraint.ConstraintLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 app:optRoundCardElevation="5dp"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/info\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/info"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/location\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/location"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/location"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/location"  
 android:inputType="text"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/price\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/asking\_price"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/price"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/asking\_price"  
 android:inputType="number"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/desc\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/desc"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/desc"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:gravity="top|start"  
 android:hint="@string/add\_desc"  
 android:inputType="textMultiLine"  
 android:minHeight="150dp"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**Button  
 android:id="@+id/post"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:background="@drawable/flat\_button"  
 android:text="@string/post\_car"  
 android:textColor="@android:color/white"  
 tools:background="@drawable/rounded\_button"** />  
  
 </**LinearLayout**>  
  
 </**ScrollView**>  
  
</**RelativeLayout**>

**Add Part:**

*<?***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/light\_background"  
 tools:context=".activities.AddPartActivity"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 style="?android:actionBarStyle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:background="@color/colorPrimary"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"** />  
  
 <**ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@id/toolbar"  
 android:fillViewport="true"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:optRoundCardElevation="5dp"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/info\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/part\_info"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/part\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/title"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/partTitle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/title"  
 android:inputType="text"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/location\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/location"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/location"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/location"  
 android:inputType="text"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/price\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/asking\_price"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/price"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/asking\_price"  
 android:inputType="number"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/quantity\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/quantity"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/quantity"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/quantity\_available"  
 android:inputType="number"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/desc\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/desc"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/desc"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:gravity="top|start"  
 android:hint="@string/add\_part\_desc"  
 android:inputType="textMultiLine"  
 android:minHeight="150dp"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 app:optRoundCardElevation="5dp"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/details\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/part\_details"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/model"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:layout\_marginTop="10dp"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/condition"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/condition"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/condition"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/category"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/category"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/category"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/vehicle\_make"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/make"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/makes"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/vehicle\_model"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Spinner  
 android:id="@+id/model"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:entries="@array/holder"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_vertical"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@string/part\_number"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**EditText  
 android:id="@+id/number"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:background="@drawable/et\_background\_plain"  
 android:hint="@string/part\_number"  
 android:inputType="text"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 tools:ignore="TextFields"** />  
  
 </**LinearLayout**>  
  
 </**LinearLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 app:optRoundCardElevation="5dp"**>  
  
 <**android.support.constraint.ConstraintLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/photos\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/upload\_photos"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="@string/add\_atleast\_2\_photos"  
 android:textColor="@color/secondaryText"  
 android:textSize="12sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="@id/photos\_title"  
 app:layout\_constraintStart\_toEndOf="@id/photos\_title"** />  
  
 <**ImageView  
 android:id="@+id/mainImage"  
 android:layout\_width="match\_parent"  
 android:layout\_height="250dp"  
 android:layout\_marginTop="10dp"  
 android:scaleType="centerCrop"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/photos\_title"  
 tools:src="@drawable/brake"** />  
  
 <**android.support.v7.widget.RecyclerView  
 android:id="@+id/photosRv"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="100dp"  
 android:layout\_marginTop="10dp"  
 android:overScrollMode="never"  
 android:visibility="gone"  
 app:layout\_constraintTop\_toBottomOf="@id/mainImage"  
 tools:listitem="@layout/item\_image"** />  
  
 <**TextView  
 android:id="@+id/addPhoto"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:background="@drawable/wire\_button"  
 android:drawablePadding="10dp"  
 android:gravity="center\_vertical"  
 android:padding="10dp"  
 android:text="@string/choose\_photos"  
 android:textColor="@color/colorPrimary"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/photosRv"** />  
  
 </**android.support.constraint.ConstraintLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**Button  
 android:id="@+id/post"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:background="@drawable/flat\_button"  
 android:text="@string/post\_part"  
 android:textColor="@android:color/white"  
 tools:background="@drawable/rounded\_button"** />  
  
 </**LinearLayout**>  
  
 </**ScrollView**>  
  
</**RelativeLayout**>

**Auth:**

*<?***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=".activities.AuthActivity"**>  
  
 <**FrameLayout  
 android:id="@+id/authHolder"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintLeft\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
</**android.support.constraint.ConstraintLayout**>

**Car:**

*<?***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"  
 android:background="@android:color/white"  
 tools:context=".activities.CarActivity"**>  
  
 <**android.support.design.widget.AppBarLayout  
 android:id="@+id/appBar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:fitsSystemWindows="true"**>  
  
 <**android.support.design.widget.CollapsingToolbarLayout  
 android:id="@+id/toolbarLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:fitsSystemWindows="true"  
 app:contentScrim="?attr/colorPrimary"  
 app:layout\_scrollFlags="scroll|exitUntilCollapsed"**>  
  
 <**com.synnapps.carouselview.CarouselView  
 android:id="@+id/carousel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="250dp"  
 app:fillColor="#FFFFFFFF"  
 app:pageColor="#00000000"  
 app:radius="6dp"  
 app:slideInterval="3000"  
 app:strokeColor="#FF777777"  
 app:strokeWidth="1dp"** />  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"  
 app:layout\_collapseMode="pin"** />  
  
 </**android.support.design.widget.CollapsingToolbarLayout**>  
 </**android.support.design.widget.AppBarLayout**>  
  
 <**android.support.v4.widget.NestedScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:clipToPadding="false"  
 android:fillViewport="true"  
 android:overScrollMode="never"  
 android:padding="10dp"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"**>  
  
 <**TextView  
 android:id="@+id/title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="2014 Toyota Vitz"  
 android:textColor="@color/black"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/description\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/title"  
 android:layout\_marginTop="10dp"  
 android:text="Description"  
 android:textColor="@color/primaryText"  
 android:textSize="17sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/description"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/description\_title"  
 android:layout\_marginTop="5dp"  
 android:text="@string/sample\_description"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/details\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/description"  
 android:layout\_marginTop="15dp"  
 android:text="Car details"  
 android:textColor="@color/primaryText"  
 android:textSize="17sp"  
 android:textStyle="bold"** />  
  
 <**android.support.v7.widget.RecyclerView  
 android:id="@+id/detailsRv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/details\_title"  
 android:focusable="false"  
 android:focusableInTouchMode="false"  
 android:overScrollMode="never"  
 tools:listitem="@layout/item\_details"** />  
  
 <**TextView  
 android:id="@+id/features\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/detailsRv"  
 android:layout\_marginTop="15dp"  
 android:text="Features"  
 android:textColor="@color/primaryText"  
 android:textSize="17sp"  
 android:textStyle="bold"** />  
  
 <**android.support.v7.widget.RecyclerView  
 android:id="@+id/featuresRv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/features\_title"  
 android:focusable="false"  
 android:focusableInTouchMode="false"  
 android:overScrollMode="never"  
 tools:listitem="@layout/item\_features"** />  
  
 <**TextView  
 android:id="@+id/seller\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/featuresRv"  
 android:layout\_marginTop="15dp"  
 android:text="Seller details"  
 android:textColor="@color/primaryText"  
 android:textSize="17sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/sellerName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/seller\_title"  
 android:layout\_marginTop="5dp"  
 android:drawablePadding="10dp"  
 android:text="Samtonic Motors"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/sellerPhone"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/sellerName"  
 android:layout\_marginTop="5dp"  
 android:drawablePadding="10dp"  
 android:text="0726002063"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/sellerLocation"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/sellerPhone"  
 android:layout\_marginTop="5dp"  
 android:drawablePadding="10dp"  
 android:text="Gigiri, Nairobi, Kenya"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**TextView  
 android:id="@+id/sellerEmail"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/sellerLocation"  
 android:layout\_marginTop="5dp"  
 android:drawablePadding="10dp"  
 android:text="info@samtonic.co.ke"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"** />  
  
 <**Button  
 android:id="@+id/delete"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/sellerEmail"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginBottom="5dp"  
 android:background="@drawable/rounded\_orange\_button"  
 android:text="Delete car"  
 android:textColor="@color/white"  
 android:visibility="gone"** />  
  
 <**Button  
 android:id="@+id/testDrive"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/sellerEmail"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginBottom="5dp"  
 android:background="@drawable/rounded\_button"  
 android:text="Book Test Drive"  
 android:textColor="@color/white"  
 android:visibility="gone"** />  
  
 <**Button  
 android:id="@+id/contactSeller"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/testDrive"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/wire\_button"  
 android:text="Contact seller"  
 android:textColor="@color/colorPrimary"  
 android:visibility="gone"** />  
  
 </**RelativeLayout**>  
  
 </**android.support.v4.widget.NestedScrollView**>  
  
</**android.support.design.widget.CoordinatorLayout**>

**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="@color/light\_background"  
 tools:context=".activities.MainActivity"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 style="?android:actionBarStyle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:background="@color/colorPrimary"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"** />  
  
 <**android.support.v4.view.ViewPager  
 android:id="@+id/viewPager"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_above="@id/bottomNav"  
 android:layout\_below="@id/toolbar"  
 android:overScrollMode="never"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"** />  
  
 <**com.aurelhubert.ahbottomnavigation.AHBottomNavigation  
 android:id="@+id/bottomNav"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_gravity="bottom"** />  
  
  
</**RelativeLayout**>

**Orders:**

*<?***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"  
 tools:context=".activities.MyOrdersActivity"**>  
  
 <**android.support.design.widget.AppBarLayout  
 android:id="@+id/appBar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:theme="@style/Theme.AppCompat.Light.DarkActionBar"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorPrimary"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark"  
 app:layout\_scrollFlags="scroll|enterAlways"** />  
  
 <**android.support.design.widget.TabLayout  
 android:id="@+id/tabs"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 android:background="@android:color/white"  
 app:tabGravity="fill"  
 app:tabMode="fixed"  
 app:tabSelectedTextColor="@color/colorPrimary"  
 app:tabTextColor="@color/secondaryText"** />  
  
 </**android.support.design.widget.AppBarLayout**>  
  
 <**android.support.v4.view.ViewPager  
 android:id="@+id/viewpager"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@id/appBar"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"** />  
  
</**RelativeLayout**>

**Uploads:**

*<?***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"  
 tools:context=".activities.MyUploadsActivity"**>  
  
 <**android.support.design.widget.AppBarLayout  
 android:id="@+id/appBar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:theme="@style/Theme.AppCompat.Light.DarkActionBar"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@color/colorPrimary"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark"  
 app:layout\_scrollFlags="scroll|enterAlways"** />  
  
 <**android.support.design.widget.TabLayout  
 android:id="@+id/tabs"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 android:background="@android:color/white"  
 app:tabGravity="fill"  
 app:tabMode="fixed"  
 app:tabSelectedTextColor="@color/colorPrimary"  
 app:tabTextColor="@color/secondaryText"** />  
  
 </**android.support.design.widget.AppBarLayout**>  
  
 <**android.support.v4.view.ViewPager  
 android:id="@+id/viewpager"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@id/appBar"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"** />  
  
 <**com.github.clans.fab.FloatingActionMenu  
 android:id="@+id/fam"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_alignParentBottom="true"  
 android:layout\_margin="16dp"  
 app:menu\_colorNormal="@color/colorPrimary"  
 app:menu\_colorPressed="@color/colorPrimaryDark"  
 app:menu\_colorRipple="@color/colorPrimaryDark"  
 app:menu\_fab\_size="normal"**>  
  
 <**com.github.clans.fab.FloatingActionButton  
 android:id="@+id/fabCar"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:fab\_label="Post new car"  
 app:fab\_size="mini"  
 app:menu\_colorNormal="@color/colorPrimary"  
 app:menu\_colorPressed="@color/colorPrimaryDark"  
 app:menu\_colorRipple="@color/colorPrimaryDark"** />  
  
 <**com.github.clans.fab.FloatingActionButton  
 android:id="@+id/fabPart"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 app:fab\_label="Post new part"  
 app:fab\_size="mini"  
 app:menu\_colorNormal="@color/colorPrimary"  
 app:menu\_colorPressed="@color/colorPrimaryDark"  
 app:menu\_colorRipple="@color/colorPrimaryDark"** />  
  
 </**com.github.clans.fab.FloatingActionMenu**>  
  
  
</**RelativeLayout**>

**Parts:**

*<?***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"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@android:color/white"  
 android:orientation="vertical"  
 tools:context=".activities.PartActivity"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="0dp"  
 android:layout\_weight="1"**>  
  
 <**com.synnapps.carouselview.CarouselView  
 android:id="@+id/carousel"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:fillColor="#FFFFFFFF"  
 app:pageColor="#00000000"  
 app:radius="6dp"  
 app:slideInterval="3000"  
 app:strokeColor="#FF777777"  
 app:strokeWidth="1dp"** />  
  
 <**View  
 android:layout\_width="match\_parent"  
 android:layout\_height="?actionBarSize"  
 android:alpha="0.6"  
 android:background="@drawable/collapsing\_toolbar\_bg"** />  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="?attr/actionBarSize"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"  
 app:layout\_collapseMode="pin"** />  
  
 </**RelativeLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="0dp"  
 android:layout\_margin="10dp"  
 android:layout\_weight="1"  
 android:orientation="vertical"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:gravity="center\_vertical"**>  
  
 <**ImageView  
 android:id="@+id/seller\_icon"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:layout\_marginEnd="15dp"  
 android:alpha="0.5"  
 android:padding="5dp"  
 app:ico\_icon="ion\_ios\_person"** />  
  
 <**TextView  
 android:id="@+id/seller"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_vertical"**>  
  
 <**ImageView  
 android:id="@+id/location\_icon"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:layout\_marginRight="15dp"  
 android:alpha="0.5"  
 android:padding="5dp"  
 app:ico\_icon="ion\_ios\_location"** />  
  
 <**TextView  
 android:id="@+id/location"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_vertical"**>  
  
 <**ImageView  
 android:id="@+id/category\_icon"  
 android:layout\_width="30dp"  
 android:layout\_height="30dp"  
 android:layout\_marginRight="15dp"  
 android:alpha="0.5"  
 android:padding="5dp"  
 app:ico\_icon="ion\_ios\_list"** />  
  
 <**TextView  
 android:id="@+id/category"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="0dp"  
 android:layout\_marginTop="15dp"  
 android:layout\_weight="1"  
 android:weightSum="2"**>  
  
 <**LinearLayout  
 android:layout\_width="0dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:background="@drawable/wire\_frame"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Available Quantity"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/qty"  
 style="@style/Widget.AppCompat.EditText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:text="0 KG"  
 android:textStyle="bold"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:layout\_width="0dp"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="1"  
 android:background="@drawable/wire\_frame"  
 android:gravity="center"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Unit Price"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:id="@+id/unit"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="15dp"  
 android:text="KES 0"  
 android:textAppearance="@style/TextAppearance.AppCompat.Title"  
 android:textColor="@color/green"  
 android:textStyle="bold"** />  
  
 </**LinearLayout**>  
  
  
 </**LinearLayout**>  
  
 <**Button  
 android:id="@+id/order"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginBottom="5dp"  
 android:background="@drawable/rounded\_button"  
 android:gravity="center"  
 android:text="PLACE ORDER"  
 android:textColor="@color/white"  
 android:visibility="gone"** />  
  
 <**Button  
 android:id="@+id/delete"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginBottom="5dp"  
 android:background="@drawable/rounded\_orange\_button"  
 android:gravity="center"  
 android:text="DELETE PART"  
 android:textColor="@color/white"  
 android:visibility="gone"** />  
  
  
 </**LinearLayout**>  
  
</**LinearLayout**>

**Sales:**

*<?***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/light\_background"  
 tools:context=".activities.SalesActivity"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 style="?android:actionBarStyle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:background="@color/colorPrimary"  
 android:elevation="0dp"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"** />  
  
 <**android.support.v4.widget.NestedScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@id/toolbar"  
 android:fillViewport="true"  
 android:overScrollMode="never"  
 android:scrollbars="none"  
 app:layout\_behavior="@string/appbar\_scrolling\_view\_behavior"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:id="@+id/dateFilterLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 app:optRoundCardCornerRadius="0dp"  
 app:optRoundCardElevation="1.5dp"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:padding="15dp"**>  
  
 <**TextView  
 android:id="@+id/date"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_centerVertical="true"  
 android:layout\_marginEnd="10dp"  
 android:layout\_toStartOf="@id/dateFilter"  
 android:textColor="@color/textGray"  
 android:textSize="18sp"** />  
  
 <**ImageButton  
 android:id="@+id/dateFilter"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:layout\_centerVertical="true"  
 android:layout\_marginEnd="10dp"  
 android:background="@android:color/transparent"  
 android:padding="10dp"** />  
  
 </**RelativeLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:orientation="horizontal"  
 android:padding="10dp"  
 android:weightSum="2"**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="5dp"  
 android:layout\_weight="1"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 app:optRoundCardBackgroundColor="@color/white"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:gravity="center"  
 android:orientation="vertical"  
 android:paddingTop="20dp"  
 android:paddingBottom="20dp"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="37"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Cars sold"  
 android:textSize="16sp"** />  
  
 </**LinearLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="5dp"  
 android:layout\_weight="1"  
 app:optRoundCardBackgroundColor="@color/white"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:gravity="center"  
 android:orientation="vertical"  
 android:paddingTop="20dp"  
 android:paddingBottom="20dp"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="212"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Spare parts sold"  
 android:textSize="16sp"** />  
  
 </**LinearLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 </**LinearLayout**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="10dp"  
 android:background="@color/white"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/total\_sales\_line\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:text="Total sales"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"** />  
  
 <**com.github.mikephil.charting.charts.LineChart  
 android:id="@+id/totalSales"  
 android:layout\_width="match\_parent"  
 android:layout\_height="350dp"  
 android:layout\_below="@id/total\_sales\_line\_title"  
 android:layout\_marginTop="15dp"** />  
  
 </**RelativeLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="10dp"  
 android:background="@color/white"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/car\_sales\_bar\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:text="Car sales by model"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"** />  
  
 <**com.github.mikephil.charting.charts.BarChart  
 android:id="@+id/carSalesBar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="300dp"  
 android:layout\_below="@id/car\_sales\_bar\_title"  
 android:layout\_marginTop="15dp"** />  
  
 </**RelativeLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 <**com.github.captain\_miao.optroundcardview.OptRoundCardView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_margin="10dp"  
 android:background="@color/white"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:clipToPadding="false"  
 android:padding="10dp"**>  
  
 <**TextView  
 android:id="@+id/part\_sales\_title"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_alignParentTop="true"  
 android:text="Parts sales"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 android:textStyle="bold"** />  
  
 <**com.github.mikephil.charting.charts.BarChart  
 android:id="@+id/partSalesBar"  
 android:layout\_width="match\_parent"  
 android:layout\_height="300dp"  
 android:layout\_below="@id/part\_sales\_title"  
 android:layout\_marginTop="15dp"** />  
  
 </**RelativeLayout**>  
  
 </**com.github.captain\_miao.optroundcardview.OptRoundCardView**>  
  
 </**LinearLayout**>  
  
 </**android.support.v4.widget.NestedScrollView**>  
  
</**RelativeLayout**>

**Second:**

*<?***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:id="@+id/relativeLayout"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#00BCD4"  
 tools:context=".activities.SecondActivity"**>  
  
 <**Button  
 android:id="@+id/btbsearch"  
 android:layout\_width="180dp"  
 android:layout\_height="75dp"  
 android:layout\_marginStart="24dp"  
 android:layout\_marginLeft="24dp"  
 android:layout\_marginTop="368dp"  
 android:text="Searching Vehicle"  
 android:textSize="14sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**Button  
 android:id="@+id/btnsell"  
 android:layout\_width="180dp"  
 android:layout\_height="74dp"  
 android:layout\_marginStart="212dp"  
 android:layout\_marginLeft="212dp"  
 android:layout\_marginTop="368dp"  
 android:text="Sell Vehicle"  
 android:textSize="14sp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
</**android.support.constraint.ConstraintLayout**>

**Settings:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="@color/light\_background"  
 tools:context=".activities.SettingsActivity"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 style="?android:actionBarStyle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:background="@color/colorPrimary"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"** />  
  
 <**ScrollView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@id/toolbar"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="5dp"  
 android:padding="@dimen/settings\_header\_padding"  
 android:text="@string/notifications"  
 android:textStyle="bold"** />  
  
 <**android.support.v7.widget.SwitchCompat  
 android:id="@+id/notifications"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="1dp"  
 android:background="@android:color/white"  
 android:padding="@dimen/settings\_padding"  
 android:text="@string/notifications"** />  
  
 <**android.support.v7.widget.SwitchCompat  
 android:id="@+id/news"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="1dp"  
 android:background="@android:color/white"  
 android:padding="@dimen/settings\_padding"  
 android:text="@string/news\_and\_updates"** />  
  
 <**TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="5dp"  
 android:padding="@dimen/settings\_header\_padding"  
 android:text="@string/general"  
 android:textStyle="bold"** />  
  
  
 <**TextView  
 android:id="@+id/about"  
 style="@style/SettingsTile"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="onClick"  
 android:text="@string/about"** />  
  
  
 <**TextView  
 android:id="@+id/terms"  
 style="@style/SettingsTile"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="onClick"  
 android:text="@string/terms\_of\_use"** />  
  
  
 <**TextView  
 android:id="@+id/privacy"  
 style="@style/SettingsTile"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="onClick"  
 android:text="@string/privacy\_policy"** />  
  
 <**TextView  
 android:id="@+id/rate"  
 style="@style/SettingsTile"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="onClick"  
 android:text="@string/rate\_app"** />  
  
 <**TextView  
 android:id="@+id/feedback"  
 style="@style/SettingsTile"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="onClick"  
 android:text="@string/send\_feedback"** />  
  
 <**TextView  
 android:id="@+id/exit"  
 style="@style/SettingsTile"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:onClick="onClick"  
 android:text="@string/logout"** />  
  
 </**LinearLayout**>  
  
  
 </**ScrollView**>  
  
</**RelativeLayout**>

**Splash:**

*<?***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="#00BCD4"  
 tools:context=".activities.Splash"**>  
  
 <**ProgressBar  
 android:layout\_width="197dp"  
 android:layout\_height="206dp"  
 android:layout\_centerInParent="true"  
 android:layout\_centerHorizontal="true"  
 android:padding="6dp"** />  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="32dp"  
 android:layout\_alignParentBottom="true"  
 android:layout\_marginBottom="0dp"  
 android:background="#FAF8F8"  
 android:text="Abdul Rehman Khan (021-18-45278)"  
 app:autoSizeTextType="uniform"** />  
  
</**RelativeLayout**>

**Watch List:**

*<?***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"  
 tools:context=".activities.WatchlistActivity"**>  
  
 <**android.support.v7.widget.Toolbar  
 android:id="@+id/toolbar"  
 style="?android:actionBarStyle"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:background="@color/colorPrimary"  
 android:theme="@style/ThemeOverlay.AppCompat.Dark.ActionBar"** />  
  
 <**com.cooltechworks.views.shimmer.ShimmerRecyclerView  
 android:id="@+id/rv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@id/toolbar"  
 app:shimmer\_demo\_angle="20"  
 app:shimmer\_demo\_child\_count="6"  
 app:shimmer\_demo\_layout="@layout/item\_car\_shimmer"  
 app:shimmer\_demo\_layout\_manager\_type="linear\_vertical"  
 tools:listitem="@layout/item\_car"** />  
  
 <**TextView  
 android:id="@+id/empty"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="No cars added to watchlist yet"  
 android:visibility="gone"** />  
  
</**RelativeLayout**>

**Booking:**

*<?***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/light\_background"  
 tools:context=".fragments.OrdersCarsFragment"**>  
  
 <**com.cooltechworks.views.shimmer.ShimmerRecyclerView  
 android:id="@+id/rv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:shimmer\_demo\_angle="20"  
 app:shimmer\_demo\_child\_count="6"  
 app:shimmer\_demo\_layout="@layout/item\_booking\_shimmer"  
 app:shimmer\_demo\_layout\_manager\_type="linear\_vertical"  
 tools:listitem="@layout/item\_car"** />  
  
 <**TextView  
 android:id="@+id/empty"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="No test drives booked yet"  
 android:visibility="gone"** />  
  
</**RelativeLayout**>

**Home:**

*<?***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/light\_background"  
 tools:context=".fragments.HomeFragment"**>  
  
 <**com.cooltechworks.views.shimmer.ShimmerRecyclerView  
 android:id="@+id/rv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:shimmer\_demo\_angle="20"  
 app:shimmer\_demo\_child\_count="6"  
 app:shimmer\_demo\_layout="@layout/item\_car\_shimmer"  
 app:shimmer\_demo\_layout\_manager\_type="linear\_vertical"  
 tools:listitem="@layout/item\_car"** />  
  
 <**TextView  
 android:id="@+id/empty"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="@string/no\_cars\_uploaded\_yet"  
 android:visibility="gone"** />  
  
</**RelativeLayout**>

**Login:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**ScrollView 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/white"  
 android:fillViewport="true"  
 tools:context=".fragments.LoginFragment"**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"**>  
  
 <**ImageView  
 android:id="@+id/loginIcon"  
 android:layout\_width="60dp"  
 android:layout\_height="60dp"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="50dp"  
 android:contentDescription="@string/image"  
 android:src="@mipmap/ic\_launcher"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/loginIcon"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="5dp"  
 android:text="Automobile"  
 android:textColor="@color/textGray"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:layout\_marginStart="30dp"  
 android:layout\_marginLeft="30dp"  
 android:layout\_marginEnd="30dp"  
 android:layout\_marginRight="30dp"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**EditText  
 android:id="@+id/loginEmail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/email\_address"  
 android:inputType="textEmailAddress"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**EditText  
 android:id="@+id/loginPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="20dp"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**br.com.simplepass.loading\_button\_lib.customViews.CircularProgressButton  
 android:id="@+id/loginButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:background="@drawable/button\_solid"  
 android:text="@string/login"  
 android:textColor="@color/white"  
 app:spinning\_bar\_color="@color/white"  
 app:spinning\_bar\_padding="2dp"  
 app:spinning\_bar\_width="4dp"** />  
  
 <**TextView  
 android:id="@+id/loginForgotPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="10dp"  
 android:text="@string/forgot\_password"  
 android:textColor="@color/secondaryText"  
 android:textSize="13sp"** />  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:id="@+id/loginRegisterLayout"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="20dp"  
 android:orientation="horizontal"  
 android:padding="5dp"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="5dp"  
 android:layout\_marginRight="5dp"  
 android:text="@string/not\_a\_member\_yet"  
 android:textColor="@color/secondaryText"  
 android:textSize="13sp"** />  
  
 <**TextView  
 android:id="@+id/loginRegister"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/register"  
 android:textColor="@color/colorAccent"  
 android:textSize="15sp"  
 android:textStyle="bold"** />  
  
 </**LinearLayout**>  
  
 </**RelativeLayout**>  
  
</**ScrollView**>

**My Booking:**

*<?***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"  
 tools:context=".fragments.MyOrdersCarsFragment"**>  
  
 <**com.cooltechworks.views.shimmer.ShimmerRecyclerView  
 android:id="@+id/rv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:shimmer\_demo\_angle="20"  
 app:shimmer\_demo\_child\_count="6"  
 app:shimmer\_demo\_layout="@layout/item\_booking\_shimmer"  
 app:shimmer\_demo\_layout\_manager\_type="linear\_vertical"  
 tools:listitem="@layout/item\_car"** />  
  
 <**TextView  
 android:id="@+id/empty"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="No test drives booked yet"  
 android:visibility="gone"** />  
  
</**RelativeLayout**>

**Mycars:**

*<?***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"  
 tools:context=".fragments.MyUploadsCarsFragment"**>  
  
 <**com.cooltechworks.views.shimmer.ShimmerRecyclerView  
 android:id="@+id/rv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:shimmer\_demo\_angle="20"  
 app:shimmer\_demo\_child\_count="6"  
 app:shimmer\_demo\_layout="@layout/item\_car\_shimmer"  
 app:shimmer\_demo\_layout\_manager\_type="linear\_vertical"  
 tools:listitem="@layout/item\_car"** />  
  
 <**TextView  
 android:id="@+id/empty"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="@string/no\_cars\_posted\_yet"  
 android:visibility="gone"** />  
  
  
</**RelativeLayout**>

**Parts:**

*<?***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/light\_background"  
 tools:context=".fragments.MyUploadsPartsFragment"**>  
  
 <**com.cooltechworks.views.shimmer.ShimmerRecyclerView  
 android:id="@+id/rv"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:shimmer\_demo\_angle="20"  
 app:shimmer\_demo\_grid\_child\_count="2"  
 app:shimmer\_demo\_layout="@layout/item\_part\_shimmer"  
 app:shimmer\_demo\_layout\_manager\_type="grid"  
 tools:listitem="@layout/item\_part"** />  
  
 <**TextView  
 android:id="@+id/empty"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_centerInParent="true"  
 android:text="@string/no\_parts\_posted\_yet"  
 android:visibility="gone"** />  
  
</**RelativeLayout**>

**Register:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**ScrollView 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/white"  
 android:fillViewport="true"  
 tools:context=".fragments.RegisterFragment"**>  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:gravity="center\_horizontal"  
 android:orientation="vertical"**>  
  
 <**TextView  
 android:id="@+id/registerTitle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/loginIcon"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="10dp"  
 android:text="@string/sign\_up"  
 android:textColor="@color/textGray"  
 android:textSize="20sp"  
 android:textStyle="bold"** />  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_above="@id/registerLoginLayout"  
 android:layout\_below="@id/registerTitle"  
 android:layout\_marginStart="30dp"  
 android:layout\_marginLeft="30dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginEnd="30dp"  
 android:layout\_marginRight="30dp"  
 android:layout\_marginBottom="20dp"  
 android:clipToPadding="false"  
 android:orientation="vertical"  
 android:padding="10dp"**>  
  
 <**de.hdodenhof.circleimageview.CircleImageView  
 android:id="@+id/registerAvatar"  
 android:layout\_width="80dp"  
 android:layout\_height="80dp"  
 android:layout\_gravity="center\_horizontal"  
 android:contentDescription="@string/image"  
 android:src="@drawable/person"** />  
  
 <**EditText  
 android:id="@+id/registerFirstname"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/firstname"  
 android:inputType="text"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**EditText  
 android:id="@+id/registerLastname"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/lastname"  
 android:inputType="text"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**EditText  
 android:id="@+id/registerPhone"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/phone"  
 android:inputType="phone"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**EditText  
 android:id="@+id/registerEmail"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/email\_address"  
 android:inputType="textEmailAddress"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**EditText  
 android:id="@+id/registerPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/password"  
 android:inputType="textPassword"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**EditText  
 android:id="@+id/registerConfirmPassword"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginBottom="20dp"  
 android:background="@drawable/wire\_drawable"  
 android:drawablePadding="10dp"  
 android:hint="@string/confirm\_password"  
 android:inputType="textPassword"  
 android:padding="15dp"  
 android:textSize="13sp"** />  
  
 <**br.com.simplepass.loading\_button\_lib.customViews.CircularProgressButton  
 android:id="@+id/registerButton"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:background="@drawable/button\_solid"  
 android:text="@string/sign\_up"  
 android:textColor="@color/white"  
 app:spinning\_bar\_color="@color/white"  
 app:spinning\_bar\_padding="2dp"  
 app:spinning\_bar\_width="4dp"** />  
  
 <**LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_marginTop="5dp"  
 android:orientation="horizontal"  
 android:padding="5dp"**>  
  
 <**CheckBox  
 android:id="@+id/registerCheckBox"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="5dp"  
 android:text="@string/agree\_to\_terms"  
 android:textColor="@color/secondaryText"  
 android:textSize="13sp"** />  
  
 <**TextView  
 android:id="@+id/registerTerms"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/terms"  
 android:textColor="@color/colorAccent"  
 android:textSize="13sp"  
 android:textStyle="bold"** />  
  
 </**LinearLayout**>  
  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:id="@+id/registerLoginLayout"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentBottom="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginBottom="20dp"  
 android:orientation="horizontal"  
 android:padding="5dp"**>  
  
 <**TextView  
 android:id="@+id/registerRegisterTitle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="5dp"  
 android:layout\_marginRight="5dp"  
 android:text="@string/already\_have\_an\_account"  
 android:textColor="@color/secondaryText"  
 android:textSize="13sp"** />  
  
 <**TextView  
 android:id="@+id/registerLogin"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="@string/login"  
 android:textColor="@color/colorAccent"  
 android:textSize="15sp"  
 android:textStyle="bold"** />  
  
 </**LinearLayout**>  
  
  
 </**LinearLayout**>  
  
</**ScrollView**>

**Make Booking:**

*<?***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"  
 android:padding="20dp"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="@string/date"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/orderDate"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:focusable="false"  
 android:focusableInTouchMode="false"  
 android:gravity="top|start"  
 android:hint="@string/which\_date\_would\_you\_like\_to\_book"  
 android:inputType="text"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 tools:ignore="TextFields"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:text="@string/time"  
 android:textStyle="bold"** />  
  
 <**EditText  
 android:id="@+id/orderTime"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:background="@drawable/et\_background\_plain"  
 android:focusable="false"  
 android:focusableInTouchMode="false"  
 android:gravity="top|start"  
 android:hint="@string/what\_time\_would\_you\_like\_to\_book"  
 android:inputType="text"  
 android:padding="10dp"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"** />  
  
</**LinearLayout**>

**Car Details:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**layout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"**>  
  
 <**data**>  
  
 <**variable  
 name="key"  
 type="String"** />  
  
 <**variable  
 name="detail"  
 type="String"** />  
  
 </**data**>  
  
  
 <**LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal"  
 android:paddingTop="10dp"  
 android:paddingBottom="10dp"  
 android:weightSum="2"**>  
  
 <**TextView  
 android:id="@+id/detail\_key"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:drawablePadding="10dp"  
 android:text="@{key}"  
 android:textColor="@color/secondaryText"  
 android:textSize="15sp"  
 tools:text="Body Type"** />  
  
 <**TextView  
 android:id="@+id/detail\_value"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="@{detail}"  
 android:textColor="@color/primaryText"  
 android:textSize="15sp"  
 tools:text="Hatchback"** />  
  
 </**LinearLayout**>  
  
</**layout**>

**Car Orders:**

*<?***xml version="1.0" encoding="utf-8"***?>*<**layout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"**>  
  
 <**data**>  
  
 <**variable  
 name="data"  
 type="com.ark.automobile.models.PartOrder"** />  
  
 <**variable  
 name="isMine"  
 type="Boolean"** />  
  
 </**data**>  
  
 <**RelativeLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="2dp"  
 android:background="@android:color/white"  
 android:padding="10dp"**>  
  
 <**com.ark.automobile.utils.SquareLayout  
 android:id="@+id/image\_layout"  
 android:layout\_width="80dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentStart="true"  
 android:layout\_marginEnd="10dp"**>  
  
 <**ImageView  
 android:id="@+id/image"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:scaleType="centerCrop"  
 app:imageUrl="@{data.image}"  
 tools:src="@drawable/fozzy"** />  
  
 </**com.ark.automobile.utils.SquareLayout**>  
  
 <**TextView  
 android:id="@+id/name"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_toEndOf="@id/image\_layout"  
 android:text="@{data.name}"  
 android:textColor="@android:color/black"  
 android:textSize="@dimen/username"  
 android:textStyle="bold"  
 tools:text="Brembo brakes"** />  
  
 <**TextView  
 android:id="@+id/user"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/name"  
 android:layout\_marginTop="3dp"  
 android:layout\_toEndOf="@id/image\_layout"  
 android:drawablePadding="5dp"  
 android:text="@{isMine ? data.buyerName : data.sellerName}"  
 android:textColor="@color/secondaryText"  
 tools:text="John Makena"** />  
  
 <**TextView  
 android:id="@+id/desc"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/user"  
 android:layout\_marginTop="3dp"  
 android:layout\_toEndOf="@id/image\_layout"  
 android:drawablePadding="5dp"  
 android:text="@{data.description}"  
 android:textColor="@color/secondaryText"  
 tools:text="2 Brembo brakes"** />  
  
 </**RelativeLayout**>  
  
</**layout**>

**Kotlin Files**

**Activities:**

**Splash:**

**package** com.ark.automobile.activities  
  
**import** android.content.Intent  
**import** android.os.Bundle  
**import** android.os.Handler  
**import** android.support.v7.app.AppCompatActivity  
**import** com.ark.automobile.R  
  
**class** Splash : AppCompatActivity() {  
 **private val SPLASH\_TIME\_OUT**: Long = 3000 *// 3 sec* **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_splash*)  
  
 Handler().postDelayed(**{** *// This method will be executed once the timer is over  
 // Start your app main activity* startActivity(Intent(**this**, SecondActivity::**class**.*java*))  
 finish()  
 *// close this activitY* **}**, **SPLASH\_TIME\_OUT**)  
 }  
}

**Add Car:**

**package** com.ark.automobile.activities  
  
**import** android.app.Activity  
**import** android.content.Intent  
**import** android.content.SharedPreferences  
**import** android.content.pm.ActivityInfo  
**import** android.net.Uri  
**import** android.os.Bundle  
**import** android.support.v7.widget.LinearLayoutManager  
**import** android.view.MenuItem  
**import** android.view.View  
**import** android.widget.AdapterView  
**import** android.widget.ArrayAdapter  
**import** android.widget.CompoundButton  
**import** com.ark.automobile.R  
**import** com.ark.automobile.adapters.ImagesAdapter  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.AppUtils.setDrawable  
**import** com.ark.automobile.commoners.BaseActivity  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.models.Car  
**import** com.ark.automobile.utils.\*  
**import** com.ark.automobile.utils.PreferenceHelper.get  
**import** com.mikepenz.ionicons\_typeface\_library.Ionicons  
**import** com.zhihu.matisse.Matisse  
**import** com.zhihu.matisse.MimeType  
**import** com.zhihu.matisse.filter.Filter  
**import** kotlinx.android.synthetic.main.activity\_add\_car.\*  
**import** org.jetbrains.anko.toast  
**import** timber.log.Timber  
  
**class** AddCarActivity : BaseActivity(), CompoundButton.OnCheckedChangeListener {  
 **private var** pickedImages = mutableListOf<Uri>()  
 **private lateinit var** imagesAdapter: ImagesAdapter  
 **private val** features = mutableMapOf<String, Boolean>()  
 **private val** details = mutableMapOf<String, String>()  
 **private val** images = mutableMapOf<String, String>()  
 **private lateinit var** KEY: String  
 **private val** car = Car()  
  
 **private lateinit var** makes: Array<String>  
 **private lateinit var** toyota: Array<String>  
 **private lateinit var** mazda: Array<String>  
 **private lateinit var** honda: Array<String>  
 **private lateinit var** bmw: Array<String>  
 **private lateinit var** subaru: Array<String>  
 **private lateinit var** benz: Array<String>  
 **private lateinit var** prefs: SharedPreferences  
  
 **companion object** {  
 **private const val** IMAGE\_PICKER = 401  
 **private const val** TOYOTA = **"Toyota"  
 private const val** MAZDA = **"Mazda"  
 private const val** HONDA = **"Honda"  
 private const val** BMW = **"BMW"  
 private const val** BENZ = **"Mercedes Benz"  
 private const val** SUBARU = **"Subaru"** }  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.activity\_add\_car)  
 prefs = PreferenceHelper.defaultPrefs(**this**)  
  
 initViews()  
 }  
  
 *// Initial views* **private fun** initViews() {  
 setSupportActionBar(toolbar)  
 supportActionBar?.setDisplayShowHomeEnabled(**true**)  
 supportActionBar?.setDisplayHomeAsUpEnabled(**true**)  
 supportActionBar?.title = **"Post car"** photosRv.setHasFixedSize(**true**)  
 photosRv.layoutManager = LinearLayoutManager(**this**, LinearLayoutManager.HORIZONTAL, **false**)  
 imagesAdapter = ImagesAdapter()  
 photosRv.adapter = imagesAdapter  
  
 addPhoto.setDrawable(setDrawable(**this**, Ionicons.Icon.ion\_android\_camera, R.color.colorPrimary, 15))  
 addPhoto.setOnClickListener **{** pickPhotos() **}** initArrays()  
 initFeatures()  
 post.setOnClickListener **{** postCar() **}** }  
  
 *// Initial arrays for spinners* **private fun** initArrays() {  
 makes = resources.getStringArray(R.array.makes)  
 toyota = resources.getStringArray(R.array.toyota)  
 mazda = resources.getStringArray(R.array.mazda)  
 honda = resources.getStringArray(R.array.honda)  
 benz = resources.getStringArray(R.array.benz)  
 bmw = resources.getStringArray(R.array.bmw)  
 subaru = resources.getStringArray(R.array.subaru)  
  
 make.onItemSelectedListener = **object** : AdapterView.OnItemSelectedListener {  
 **override fun** onNothingSelected(parent: AdapterView<\*>?) {  
  
 }  
  
 **override fun** onItemSelected(parent: AdapterView<\*>?, view: View?, position: Int, id: Long) {  
 **val** selectedItem = parent?.getItemAtPosition(position).toString()  
  
 setModels(selectedItem)  
 }  
 }  
 }  
  
 *// Get selected vehicle make and choose models of selected make* **private fun** setModels(make: String) {  
 **when** (make) {  
 TOYOTA -> setModelSpinner(toyota)  
 MAZDA -> setModelSpinner(mazda)  
 HONDA -> setModelSpinner(honda)  
 BENZ -> setModelSpinner(benz)  
 BMW -> setModelSpinner(bmw)  
 SUBARU -> setModelSpinner(subaru)  
 }  
 }  
  
 *// Set selected make models* **private fun** setModelSpinner(models: Array<String>) {  
 **val** spinnerArrayAdapter = ArrayAdapter<String>(**this**, android.R.layout.simple\_spinner\_item, models)  
 spinnerArrayAdapter.setDropDownViewResource(android.R.layout.simple\_spinner\_dropdown\_item)  
  
 model.adapter = spinnerArrayAdapter  
 }  
  
 *// Initialise features checkboxes* **private fun** initFeatures() {  
 na.setOnCheckedChangeListener(**this**)  
 turbo.setOnCheckedChangeListener(**this**)  
 supercharged.setOnCheckedChangeListener(**this**)  
 leather.setOnCheckedChangeListener(**this**)  
 electric.setOnCheckedChangeListener(**this**)  
 cups.setOnCheckedChangeListener(**this**)  
 ac.setOnCheckedChangeListener(**this**)  
 windows.setOnCheckedChangeListener(**this**)  
 abs.setOnCheckedChangeListener(**this**)  
 airbags.setOnCheckedChangeListener(**this**)  
 fogs.setOnCheckedChangeListener(**this**)  
 camera.setOnCheckedChangeListener(**this**)  
 sunroof.setOnCheckedChangeListener(**this**)  
 keyless.setOnCheckedChangeListener(**this**)  
 alloys.setOnCheckedChangeListener(**this**)  
 power.setOnCheckedChangeListener(**this**)  
 }  
  
 *// Pick photos from gallery* **private fun** pickPhotos() {  
 **if** (!storagePermissionGranted()) {  
 requestStoragePermission()  
 **return** }  
  
 Matisse.from(**this**)  
 .choose(MimeType.ofImage())  
 .countable(**true**)  
 .maxSelectable(10)  
 .addFilter(GifSizeFilter(320, 320, 5 \* Filter.K \* Filter.K))  
 .gridExpectedSize(resources.getDimensionPixelSize(R.dimen.grid\_expected\_size))  
 .restrictOrientation(ActivityInfo.SCREEN\_ORIENTATION\_PORTRAIT)  
 .thumbnailScale(0.85f)  
 .imageEngine(MyGlideEngine())  
 .forResult(IMAGE\_PICKER)  
  
 }  
  
  
 **private fun** setImages() {  
 **if** (pickedImages.size < 1) **return  
  
 if** (pickedImages.size == 1) {  
 mainImage.setImageURI(pickedImages[0])  
 } **else** {  
 mainImage.setImageURI(pickedImages[0])  
 photosRv.showView()  
  
 **for** (i **in** 1..(pickedImages.size - 1)) {  
 imagesAdapter.addImage(pickedImages[i])  
 }  
  
 }  
  
 }  
  
 **override fun** onCheckedChanged(buttonView: CompoundButton?, isChecked: Boolean) {  
 **val** NA = getString(R.string.naturally\_aspirated)  
 **val** TURBO = getString(R.string.turbo\_charged)  
 **val** SUPERCHARGED = getString(R.string.supercharged)  
 **val** ELECTRIC = getString(R.string.electric\_windows)  
 **val** CUPS = getString(R.string.cups)  
 **val** AIR\_CONDITIONING = getString(R.string.air\_conditioning)  
 **val** TINTED = getString(R.string.tinted)  
 **val** FOGS = getString(R.string.fog\_lamps)  
 **val** CAMERA = getString(R.string.reverse\_camera)  
 **val** SUNROOF = getString(R.string.sunroof)  
 **val** KEYLESS = getString(R.string.keyless\_entry)  
 **val** ALLOYS = getString(R.string.alloys)  
 **val** LEATHER = getString(R.string.leather\_upholstery)  
 **val** ABS = getString(R.string.abs)  
 **val** AIRBAGS = getString(R.string.airbags)  
 **val** POWER = getString(R.string.power)  
  
 **when** (buttonView?.id) {  
 na.id -> {  
 **if** (isChecked) features[NA] = **true  
 else if** (features.containsKey(NA)) features.remove(NA)  
 }  
  
 turbo.id -> {  
 **if** (isChecked) features[TURBO] = **true  
 else if** (features.containsKey(TURBO)) features.remove(TURBO)  
 }  
  
 supercharged.id -> {  
 **if** (isChecked) features[SUPERCHARGED] = **true  
 else if** (features.containsKey(SUPERCHARGED)) features.remove(SUPERCHARGED)  
 }  
  
 leather.id -> {  
 **if** (isChecked) features[LEATHER] = **true  
 else if** (features.containsKey(LEATHER)) features.remove(LEATHER)  
 }  
  
 electric.id -> {  
 **if** (isChecked) features[ELECTRIC] = **true  
 else if** (features.containsKey(ELECTRIC)) features.remove(ELECTRIC)  
 }  
  
 cups.id -> {  
 **if** (isChecked) features[CUPS] = **true  
 else if** (features.containsKey(CUPS)) features.remove(CUPS)  
 }  
  
 ac.id -> {  
 **if** (isChecked) features[AIR\_CONDITIONING] = **true  
 else if** (features.containsKey(AIR\_CONDITIONING)) features.remove(AIR\_CONDITIONING)  
 }  
  
 windows.id -> {  
 **if** (isChecked) features[TINTED] = **true  
 else if** (features.containsKey(TINTED)) features.remove(TINTED)  
 }  
  
 abs.id -> {  
 **if** (isChecked) features[ABS] = **true  
 else if** (features.containsKey(ABS)) features.remove(ABS)  
 }  
  
 airbags.id -> {  
 **if** (isChecked) features[AIRBAGS] = **true  
 else if** (features.containsKey(AIRBAGS)) features.remove(AIRBAGS)  
 }  
  
 fogs.id -> {  
 **if** (isChecked) features[FOGS] = **true  
 else if** (features.containsKey(FOGS)) features.remove(FOGS)  
 }  
  
 camera.id -> {  
 **if** (isChecked) features[CAMERA] = **true  
 else if** (features.containsKey(CAMERA)) features.remove(CAMERA)  
 }  
  
 sunroof.id -> {  
 **if** (isChecked) features[SUNROOF] = **true  
 else if** (features.containsKey(SUNROOF)) features.remove(SUNROOF)  
 }  
  
 keyless.id -> {  
 **if** (isChecked) features[KEYLESS] = **true  
 else if** (features.containsKey(KEYLESS)) features.remove(KEYLESS)  
 }  
  
 alloys.id -> {  
 **if** (isChecked) features[ALLOYS] = **true  
 else if** (features.containsKey(ALLOYS)) features.remove(ALLOYS)  
 }  
  
 power.id -> {  
 **if** (isChecked) features[POWER] = **true  
 else if** (features.containsKey(POWER)) features.remove(POWER)  
 }  
  
 }  
 }  
  
 *// Get vehicle details* **private fun** getDetails() {  
 details[**"Body Type"**] = bodyType.selectedItem.toString()  
 details[**"Fuel Type"**] = fuelType.selectedItem.toString()  
 details[**"Transmission"**] = transmission.selectedItem.toString()  
 details[**"Drive Type"**] = driveType.selectedItem.toString()  
 details[**"Engine Capacity"**] = cc.text.toString().trim()  
 details[**"Mileage"**] = mileage.text.toString().trim()  
 }  
  
 **private fun** postCar() {  
 **if** (!isConnected()) {  
 toast(**"Please connect to the internet!"**)  
 **return** }  
  
 **if** (pickedImages.size < 5) {  
 toast(**"Please select atleast 5 images..."**)  
 **return** }  
  
 **if** (!AppUtils.validated(cc, mileage, location, price, desc)) {  
 toast(**"Please fill all fields!"**)  
 **return** }  
  
 KEY = getFirestore().collection(K.CARS).document().id  
  
 showLoading(**"Uploading images..."**)  
 uploadImages()  
 getDetails()  
  
 }  
  
 *// Upload images to firebase storage* **private fun** uploadImages() {  
 Timber.e(**"Images to be uploaded ${**pickedImages.size**}"**)  
  
 **for** (i **in** 0..(pickedImages.size - 1)) {  
 **val** ref = getStorageReference().child(K.CARS).child(KEY).child(i.toString())  
  
 **val** uploadTask = ref.putFile(pickedImages[i])  
 uploadTask.continueWithTask **{** task **->  
 if** (!task.isSuccessful) {  
 Timber.e(**"Error uploading images ${**task.exception**}}"**)  
 **throw** task.exception!!  
 }  
 *// Continue with the task to get the download URL* ref.downloadUrl  
 **}**.addOnCompleteListener **{** task **->  
 if** (task.isSuccessful) {  
 **if** (i == 0) {  
 car.image = task.result.toString()  
 images[i.toString()] = task.result.toString()  
 Timber.e(**"Uploaded image $**i **url is ${**task.result**}"**)  
  
 } **else** {  
 images[i.toString()] = task.result.toString()  
 Timber.e(**"Uploaded image $**i **url is ${**task.result**}"**)  
  
 **if** (i == (pickedImages.size - 1)) {  
 car.images.putAll(images)  
 hideLoading()  
  
 setDetails()  
 }  
 }  
  
 }  
 **}** }  
  
 }  
  
 *// Set detail in the database* **private fun** setDetails() {  
 Timber.e(**"Uploading details to Firestore"**)  
  
 showLoading(**"Uploading car details..."**)  
 car.id = KEY  
 car.sellerId = getUid()  
 car.sellerName = prefs[K.NAME]  
 car.phone = prefs[K.PHONE]  
 car.email = prefs[K.EMAIL]  
 car.time = System.currentTimeMillis()  
 car.make = make.selectedItem.toString()  
 car.model = model.selectedItem.toString()  
 car.description = desc.text.toString()  
 car.location = location.text.toString().trim()  
 car.mileage = mileage.text.toString().trim()  
 car.year = year.selectedItem.toString()  
 car.condition = condition.selectedItem.toString()  
 car.transmission = transmission.selectedItem.toString()  
 car.price = price.text.toString().trim()  
 car.features = features  
 car.details = details  
  
 getFirestore().collection(K.CARS).document(KEY).set(car)  
 .addOnSuccessListener **{** Timber.e(**"Car successfully uploaded"**)  
 hideLoading()  
  
 toast(**"Car successfully uploaded"**)  
 **}** .addOnFailureListener **{** Timber.e(**"Error uploading: $**it**"**)  
 hideLoading()  
  
 toast(**"Error uploading vehicle. Please try again"**)  
 **}** }  
  
 **override fun** onActivityResult(requestCode: Int, resultCode: Int, data: Intent?) {  
 **super**.onActivityResult(requestCode, resultCode, data)  
  
 **if** (requestCode == IMAGE\_PICKER && resultCode == Activity.RESULT\_OK) {  
 pickedImages = Matisse.obtainResult(data)  
  
 setImages()  
 }  
 }  
  
 **override fun** onOptionsItemSelected(item: MenuItem?): Boolean {  
 **when** (item?.itemId) {  
 android.R.id.home -> onBackPressed()  
 }  
  
 **return true** }  
  
 **override fun** onBackPressed() {  
 **super**.onBackPressed()  
 AppUtils.animateEnterLeft(**this**)  
 }  
}

**Uploads:**

**package** com.ark.automobile.activities  
  
**import** android.content.Intent  
**import** android.graphics.Color  
**import** android.os.Bundle  
**import** android.support.design.widget.TabLayout  
**import** android.support.v4.content.ContextCompat  
**import** android.view.MenuItem  
**import** com.ark.automobile.R  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.BaseActivity  
**import** com.ark.automobile.fragments.MyUploadsCarsFragment  
**import** com.ark.automobile.fragments.MyUploadsPartsFragment  
**import** com.ark.automobile.utils.PagerAdapter  
**import** com.mikepenz.iconics.IconicsDrawable  
**import** com.mikepenz.ionicons\_typeface\_library.Ionicons  
**import** kotlinx.android.synthetic.main.activity\_my\_uploads.\*  
  
**class** MyUploadsActivity : BaseActivity(), TabLayout.OnTabSelectedListener {  
  
 **companion object** {  
 **private const val CARS** = **"CARS"  
 private const val PARTS** = **"PARTS"** }  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_my\_uploads*)  
  
 initViews()  
 }  
  
 **private fun** initViews() {  
 setSupportActionBar(toolbar)  
 *supportActionBar*?.setDisplayShowHomeEnabled(**true**)  
 *supportActionBar*?.setDisplayHomeAsUpEnabled(**true**)  
 *supportActionBar*?.*title* = **"My Uploads"** setupViewPager()  
 setupTabs()  
 initFab()  
  
 }  
  
 **private fun** setupViewPager() {  
 **val** adapter = PagerAdapter(*supportFragmentManager*, **this**)  
 **val** cars = MyUploadsCarsFragment()  
 **val** parts = MyUploadsPartsFragment()  
  
 adapter.addAllFrags(cars, parts)  
 adapter.addAllTitles(**CARS**, **PARTS**)  
  
 viewpager.*adapter* = adapter  
 viewpager.*offscreenPageLimit* = 1  
 viewpager.addOnPageChangeListener(TabLayout.TabLayoutOnPageChangeListener(tabs))  
  
 }  
  
 **private fun** setupTabs() {  
 tabs.setupWithViewPager(viewpager)  
 tabs.addOnTabSelectedListener(**this**)  
 }  
  
 **private fun** initFab() {  
 fabCar.*colorNormal* = ContextCompat.getColor(**this**, R.color.*colorPrimary*)  
 fabCar.*colorPressed* = ContextCompat.getColor(**this**, R.color.*colorPrimaryDark*)  
 fabCar.*colorRipple* = ContextCompat.getColor(**this**, R.color.*colorPrimaryDark*)  
 fabCar.setImageDrawable(IconicsDrawable(**this**).icon(Ionicons.Icon.**ion\_plus**).color(Color.*WHITE*).sizeDp(17))  
  
 fabPart.*colorNormal* = ContextCompat.getColor(**this**, R.color.*colorPrimary*)  
 fabPart.*colorPressed* = ContextCompat.getColor(**this**, R.color.*colorPrimaryDark*)  
 fabPart.*colorRipple* = ContextCompat.getColor(**this**, R.color.*colorPrimaryDark*)  
 fabPart.setImageDrawable(IconicsDrawable(**this**).icon(Ionicons.Icon.**ion\_plus**).color(Color.*WHITE*).sizeDp(17))  
  
 fabCar.setOnClickListener **{** fam.close(**true**)  
 startActivity(Intent(**this**, AddCarActivity::**class**.*java*))  
 AppUtils.animateEnterRight(**this**)  
 **}** fabPart.setOnClickListener **{** fam.close(**true**)  
 startActivity(Intent(**this**, AddPartActivity::**class**.*java*))  
 AppUtils.animateEnterRight(**this**)  
 **}** }  
  
 **override fun** onTabReselected(tab: TabLayout.Tab?) {  
  
 }  
  
 **override fun** onTabUnselected(tab: TabLayout.Tab?) {  
  
 }  
  
 **override fun** onTabSelected(tab: TabLayout.Tab?) {  
 viewpager.setCurrentItem(tab!!.*position*, **true**)  
 }  
  
 **override fun** onOptionsItemSelected(item: MenuItem?): Boolean {  
 **when** (item?.*itemId*) {  
 android.R.id.*home* -> onBackPressed()  
 }  
  
 **return true** }  
  
 **override fun** onBackPressed() {  
 **super**.onBackPressed()  
 AppUtils.animateEnterLeft(**this**)  
 }  
}

**Setting:**

**package** com.ark.automobile.activities  
  
**import** android.annotation.SuppressLint  
**import** android.content.ActivityNotFoundException  
**import** android.content.Intent  
**import** android.content.SharedPreferences  
**import** android.net.Uri  
**import** android.os.Bundle  
**import** android.os.Handler  
**import** android.view.MenuItem  
**import** android.view.View  
**import** com.ark.automobile.R  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.BaseActivity  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.utils.PreferenceHelper  
**import** com.ark.automobile.utils.PreferenceHelper.set  
**import** com.google.firebase.auth.FirebaseAuth  
**import** com.google.firebase.messaging.FirebaseMessaging  
**import** kotlinx.android.synthetic.main.activity\_settings.\*  
**import** org.jetbrains.anko.alert  
  
**class** SettingsActivity : BaseActivity(), View.OnClickListener {  
 **private lateinit var** prefs: SharedPreferences  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.activity\_settings)  
  
 prefs = PreferenceHelper.defaultPrefs(**this**)  
  
 initViews()  
 }  
  
 **private fun** initViews() {  
 setSupportActionBar(toolbar)  
 supportActionBar?.setDisplayHomeAsUpEnabled(**true**)  
 supportActionBar?.setDisplayShowHomeEnabled(**true**)  
 supportActionBar?.title = **"Settings"** notifications()  
 }  
  
 **override fun** onClick(v: View?) {  
 **when** (v?.id) {  
 R.id.about -> about()  
 R.id.terms -> tou()  
 R.id.privacy -> privacy()  
 R.id.rate -> rate()  
 R.id.feedback -> feedback()  
 R.id.exit -> logOut()  
 }  
 }  
  
 **private fun** notifications() {  
 notifications.setOnCheckedChangeListener **{** \_, isChecked **->** prefs[K.NOTIFICATIONS] = isChecked  
 **}** news.setOnCheckedChangeListener **{** \_, isChecked **->** prefs[K.NEWS] = isChecked  
 **}** }  
  
 **private fun** about() {  
  
 }  
  
 **private fun** tou() {  
  
 }  
  
 **private fun** privacy() {  
  
 }  
  
 @SuppressLint(**"InlinedApi"**)  
 **private fun** rate() {  
 **val** uri = Uri.parse(resources.getString(R.string.play\_store\_link) + **this**.packageName)  
 **val** goToMarket = Intent(Intent.ACTION\_VIEW, uri)  
  
 goToMarket.addFlags(Intent.FLAG\_ACTIVITY\_NO\_HISTORY or Intent.FLAG\_ACTIVITY\_NEW\_DOCUMENT or Intent.FLAG\_ACTIVITY\_MULTIPLE\_TASK)  
 **try** {  
 startActivity(goToMarket)  
 } **catch** (e: ActivityNotFoundException) {  
 startActivity(Intent(Intent.ACTION\_VIEW,  
 Uri.parse(resources.getString(R.string.play\_store\_link) + **this**.packageName)))  
 }  
 }  
  
 **private fun** feedback() {  
 **val** emailIntent = Intent(Intent.ACTION\_SENDTO)  
 emailIntent.data = Uri.parse(**"mailto: devtirgei@gmail.com"**)  
 emailIntent.putExtra(Intent.EXTRA\_SUBJECT, **"Automart"**)  
 startActivity(Intent.createChooser(emailIntent, **"Send feedback"**))  
 }  
  
 **private fun** logOut() {  
 Handler().postDelayed(**{** alert(**"Are you sure you want to log out?"**) **{** title = **"Log out"** positiveButton(**"LOG OUT"**) **{  
 val** firebaseAuth = FirebaseAuth.getInstance()  
 firebaseAuth.signOut()  
 FirebaseMessaging.getInstance().unsubscribeFromTopic(K.TOPIC\_GLOBAL)  
  
 startActivity(Intent(**this**@SettingsActivity, AuthActivity::**class**.java))  
 AppUtils.animateEnterLeft(**this**@SettingsActivity)  
 finish()  
 **}** negativeButton(**"CANCEL"**) **{}  
 }**.show()  
 **}**, 300)  
 }  
  
 **override fun** onOptionsItemSelected(item: MenuItem?): Boolean {  
 **when** (item?.itemId) {  
 android.R.id.home -> onBackPressed()  
 }  
  
 **return true** }  
  
 **override fun** onBackPressed() {  
 **super**.onBackPressed()  
 AppUtils.animateEnterLeft(**this**)  
 }  
}

**Orders:**

**package** com.ark.automobile.activities  
  
**import** android.os.Bundle  
**import** android.support.design.widget.TabLayout  
**import** android.view.MenuItem  
**import** com.ark.automobile.R  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.BaseActivity  
**import** com.ark.automobile.fragments.OrdersCarsFragment  
**import** com.ark.automobile.fragments.OrdersPartsFragment  
**import** com.ark.automobile.utils.PagerAdapter  
**import** kotlinx.android.synthetic.main.activity\_orders.\*  
  
**class** OrdersActivity : BaseActivity(), TabLayout.OnTabSelectedListener {  
  
 **companion object** {  
 **private const val BOOKINGS** = **"BOOKINGS"  
 private const val PARTS** = **"PARTS"** }  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_orders*)  
  
 initViews()  
 }  
  
 **private fun** initViews() {  
 setSupportActionBar(toolbar)  
 *supportActionBar*?.setDisplayShowHomeEnabled(**true**)  
 *supportActionBar*?.setDisplayHomeAsUpEnabled(**true**)  
 *supportActionBar*?.*title* = **"Orders"** setupViewPager()  
 setupTabs()  
 }  
  
 **private fun** setupViewPager() {  
 **val** adapter = PagerAdapter(*supportFragmentManager*, **this**)  
 **val** bookings = OrdersCarsFragment()  
 **val** parts = OrdersPartsFragment()  
  
 adapter.addAllFrags(bookings, parts)  
 adapter.addAllTitles(**BOOKINGS**, **PARTS**)  
  
 viewpager.*adapter* = adapter  
 viewpager.*offscreenPageLimit* = 1  
 viewpager.addOnPageChangeListener(TabLayout.TabLayoutOnPageChangeListener(tabs))  
  
 }  
  
 **private fun** setupTabs() {  
 tabs.setupWithViewPager(viewpager)  
 tabs.addOnTabSelectedListener(**this**)  
 }  
  
 **override fun** onTabReselected(tab: TabLayout.Tab?) {  
  
 }  
  
 **override fun** onTabUnselected(tab: TabLayout.Tab?) {  
  
 }  
  
 **override fun** onTabSelected(tab: TabLayout.Tab?) {  
 viewpager.setCurrentItem(tab!!.*position*, **true**)  
 }  
  
 **override fun** onOptionsItemSelected(item: MenuItem?): Boolean {  
 **when** (item?.*itemId*) {  
 android.R.id.*home* -> onBackPressed()  
 }  
  
 **return true** }  
  
 **override fun** onBackPressed() {  
 **super**.onBackPressed()  
 AppUtils.animateEnterLeft(**this**)  
 }  
  
}

**Main:**

**package** com.ark.automobile.activities  
  
**import** android.content.Intent  
**import** android.content.SharedPreferences  
**import** android.graphics.Color  
**import** android.os.Bundle  
**import** android.os.Handler  
**import** android.support.v4.content.ContextCompat  
**import** android.support.v4.view.ViewPager  
**import** com.ark.automobile.R  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.AppUtils.setDrawable  
**import** com.ark.automobile.commoners.BaseActivity  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.fragments.\*  
**import** com.ark.automobile.utils.PagerAdapter  
**import** com.ark.automobile.utils.PreferenceHelper  
**import** com.ark.automobile.utils.PreferenceHelper.get  
**import** com.aurelhubert.ahbottomnavigation.AHBottomNavigation  
**import** com.aurelhubert.ahbottomnavigation.AHBottomNavigationItem  
**import** com.google.firebase.auth.FirebaseAuth  
**import** com.google.firebase.messaging.FirebaseMessaging  
**import** com.mikepenz.ionicons\_typeface\_library.Ionicons  
**import** com.mikepenz.materialdrawer.AccountHeaderBuilder  
**import** com.mikepenz.materialdrawer.Drawer  
**import** com.mikepenz.materialdrawer.DrawerBuilder  
**import** com.mikepenz.materialdrawer.model.DividerDrawerItem  
**import** com.mikepenz.materialdrawer.model.ProfileDrawerItem  
**import** com.mikepenz.materialdrawer.model.SecondaryDrawerItem  
**import** kotlinx.android.synthetic.main.activity\_main.\*  
**import** org.jetbrains.anko.alert  
**import** org.jetbrains.anko.toast  
**import** timber.log.Timber  
  
**class** MainActivity : BaseActivity(), AHBottomNavigation.OnTabSelectedListener,  
 AHBottomNavigation.OnNavigationPositionListener, ViewPager.OnPageChangeListener {  
  
 **private var** doubleBackToExit = **false  
  
 private lateinit var** drawer: Drawer  
 **private lateinit var** homeFragment: HomeFragment  
 **private lateinit var** partsFragment: PartsFragment  
 **private lateinit var** searchFragment: SearchFragment  
 **private lateinit var** prefs: SharedPreferences  
  
 **companion object** {  
 **private const val** HOME = **"Automart"  
 private const val** SPARE\_PARTS = **"Spare Parts"  
 private const val** SEARCH = **"Search"  
 private const val** CARS = **"Cars"  
 private const val** PARTS = **"Parts"  
 private const val** NOTIFICATIONS = **"Notifications"  
 private const val** CHATS = **"Chats"** }  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.activity\_main)  
 prefs = PreferenceHelper.defaultPrefs(**this**)  
  
 Timber.e(**"UID: ${**getUid()**}"**)  
  
 homeFragment = HomeFragment()  
 partsFragment = PartsFragment()  
 searchFragment = SearchFragment()  
  
  
 initViews()  
 }  
  
 **private fun** initViews() {  
 setSupportActionBar(toolbar)  
 supportActionBar?.title = HOME  
 supportActionBar?.setDisplayShowHomeEnabled(**true**)  
 supportActionBar?.setHomeButtonEnabled(**true**)  
  
 setupBottomNav()  
 setupViewPager()  
 setupDrawer()  
 }  
  
 *//Setup the bottom navigation bar* **private fun** setupBottomNav() {  
 **val** homeIcon = setDrawable(**this**, Ionicons.Icon.ion\_ios\_home, R.color.secondaryText, 18)  
 **val** partsIcon = setDrawable(**this**, Ionicons.Icon.ion\_gear\_a, R.color.secondaryText, 18)  
 **val** searchIcon = setDrawable(**this**, Ionicons.Icon.ion\_search, R.color.secondaryText, 18)  
 **val** notificationIcon = setDrawable(**this**, Ionicons.Icon.ion\_ios\_bell, R.color.secondaryText, 18)  
 **val** chatIcon = setDrawable(**this**, Ionicons.Icon.ion\_chatbubbles, R.color.secondaryText, 18)  
  
 bottomNav.addItem(AHBottomNavigationItem(CARS, homeIcon))  
 bottomNav.addItem(AHBottomNavigationItem(PARTS, partsIcon))  
 *//bottomNav.addItem(AHBottomNavigationItem(SEARCH, searchIcon))* bottomNav.addItem(AHBottomNavigationItem(NOTIFICATIONS, notificationIcon))  
 bottomNav.addItem(AHBottomNavigationItem(CHATS, chatIcon))  
  
 bottomNav.defaultBackgroundColor = Color.WHITE  
 bottomNav.inactiveColor = ContextCompat.getColor(**this**, R.color.inactiveColor)  
 bottomNav.accentColor = ContextCompat.getColor(**this**, R.color.colorPrimary)  
 bottomNav.isBehaviorTranslationEnabled = **false** bottomNav.titleState = AHBottomNavigation.TitleState.ALWAYS\_SHOW  
 bottomNav.setUseElevation(**true**, 5f)  
  
 bottomNav.setOnTabSelectedListener(**this**)  
 bottomNav.setOnNavigationPositionListener(**this**)  
 }  
  
 *//Setup the view pager* **private fun** setupViewPager() {  
 **val** adapter = PagerAdapter(supportFragmentManager, **this**)  
  
 adapter.addAllFrags(homeFragment, partsFragment)  
 adapter.addAllTitles(HOME, SPARE\_PARTS, NOTIFICATIONS, CHATS)  
  
 viewPager.adapter = adapter  
 viewPager.addOnPageChangeListener(**this**)  
 viewPager.offscreenPageLimit = 4  
 }  
  
 **private fun** setupDrawer() {  
 **val** accountHeader = AccountHeaderBuilder().withActivity(**this**)  
 .withSelectionListEnabled(**false**)  
 .withHeaderBackground(R.drawable.fozzy)  
 .addProfiles(ProfileDrawerItem()  
 .withName(prefs[K.NAME, **""**])  
 .withEmail(prefs[K.PHONE, **""**])  
 .withIcon(R.drawable.person))  
 .build()  
  
 **val** default = SecondaryDrawerItem().withIdentifier(0).withName(**"Home"**).withIcon(Ionicons.Icon.ion\_ios\_home)  
 **val** orders = SecondaryDrawerItem().withIdentifier(1).withName(**"Orders"**).withIcon(Ionicons.Icon.ion\_ios\_cart)  
 **val** myOrders = SecondaryDrawerItem().withIdentifier(2).withName(**"My Orders"**).withIcon(Ionicons.Icon.ion\_ios\_cart)  
 **val** myProducts = SecondaryDrawerItem().withIdentifier(4).withName(**"My Uploads"**).withIcon(Ionicons.Icon.ion\_upload)  
 **val** watchlist = SecondaryDrawerItem().withIdentifier(5).withName(**"Watchlist"**).withIcon(Ionicons.Icon.ion\_star)  
 **val** sales = SecondaryDrawerItem().withIdentifier(6).withName(**"Sales Reports"**).withIcon(Ionicons.Icon.ion\_android\_list)  
 **val** settings = SecondaryDrawerItem().withIdentifier(8).withName(**"Settings"**).withIcon(Ionicons.Icon.ion\_ios\_gear)  
 **val** support = SecondaryDrawerItem().withIdentifier(9).withName(**"Help & Support"**).withIcon(Ionicons.Icon.ion\_ios\_help)  
 **val** exit = SecondaryDrawerItem().withIdentifier(10).withName(**"Logout"**).withIcon(Ionicons.Icon.ion\_log\_out)  
  
 drawer = DrawerBuilder().withActivity(**this**)  
 .withToolbar(toolbar)  
 .withAccountHeader(accountHeader)  
 .addDrawerItems(default, DividerDrawerItem(), orders, myOrders, myProducts, sales, watchlist, DividerDrawerItem(), settings, exit)  
 .withOnDrawerItemClickListener **{** \_, \_, drawerItem **->  
 when** (drawerItem) {  
 orders -> launchActivity(OrdersActivity::**class**.java)  
 myOrders -> launchActivity(MyOrdersActivity::**class**.java)  
 myProducts -> launchActivity(MyUploadsActivity::**class**.java)  
 sales -> launchActivity(SalesActivity::**class**.java)  
 watchlist -> launchActivity(WatchlistActivity::**class**.java)  
 settings -> launchActivity(SettingsActivity::**class**.java)  
 exit -> logOut()  
 }  
 **true  
 }** .build()  
 }  
  
 **private fun** launchActivity(intentClass: Class<\*>) {  
 **val** intent = Intent(**this**, intentClass)  
 startActivity(intent)  
 overridePendingTransition(R.anim.enter\_b, R.anim.exit\_a)  
  
 Handler().postDelayed(**{** drawer.closeDrawer()  
 drawer.setSelection(0)  
 **}**, 300)  
  
 }  
  
 **private fun** logOut() {  
 Handler().postDelayed(**{** alert(**"Are you sure you want to log out?"**) **{** title = **"Log out"** positiveButton(**"LOG OUT"**) **{  
 val** firebaseAuth = FirebaseAuth.getInstance()  
 firebaseAuth.signOut()  
 FirebaseMessaging.getInstance().unsubscribeFromTopic(K.TOPIC\_GLOBAL)  
  
 startActivity(Intent(**this**@MainActivity, AuthActivity::**class**.java))  
 AppUtils.animateEnterLeft(**this**@MainActivity)  
 finish()  
 **}** negativeButton(**"CANCEL"**) **{}  
 }**.show()  
 **}**, 300)  
 }  
  
 **override fun** onTabSelected(position: Int, wasSelected: Boolean): Boolean {  
 viewPager.setCurrentItem(position, **true**)  
  
 **when** (position) {  
 0 -> supportActionBar?.title = HOME  
 1 -> supportActionBar?.title = SPARE\_PARTS  
 *//2 -> supportActionBar?.title = SEARCH* 2 -> supportActionBar?.title = NOTIFICATIONS  
 3 -> supportActionBar?.title = CHATS  
 }  
  
 **return true** }  
  
 **override fun** onPositionChange(y: Int) {  
 viewPager.setCurrentItem(y, **true**)  
 }  
  
 **override fun** onPageScrollStateChanged(state: Int) {  
  
 }  
  
 **override fun** onPageScrolled(position: Int, positionOffset: Float, positionOffsetPixels: Int) {  
  
 }  
  
 **override fun** onPageSelected(position: Int) {  
 bottomNav.currentItem = position  
 }  
  
 **override fun** onBackPressed() {  
 **if** (doubleBackToExit) {  
 **super**.onBackPressed()  
 } **else** {  
 doubleBackToExit = **true** toast(**"Tap back again to exit"**)  
  
 Handler().postDelayed(**{** doubleBackToExit = **false }**, 1500)  
 }  
 }  
  
}

**Auth:**

**package** com.ark.automobile.activities  
  
**import** android.content.Intent  
**import** android.os.Bundle  
**import** android.os.Handler  
**import** com.ark.automobile.R  
**import** com.ark.automobile.commoners.BaseActivity  
**import** com.ark.automobile.fragments.LoginFragment  
**import** com.ark.automobile.fragments.RegisterFragment  
**import** com.ark.automobile.utils.addFragment  
**import** org.jetbrains.anko.toast  
  
**class** AuthActivity : BaseActivity() {  
 **private lateinit var loginFragment**: LoginFragment  
 **private lateinit var registerFragment**: RegisterFragment  
 **private var doubleBackToExit** = **false  
  
 override fun** onCreate(savedInstanceState: Bundle?) {  
 checkIfLoggedIn()  
  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_auth*)  
  
 **loginFragment** = LoginFragment()  
 registerFragment = RegisterFragment()  
  
 addFragment(loginFragment, R.id.authHolder)  
 }  
  
 **private fun** checkIfLoggedIn() {  
 **if** (getUser() != **null**) {  
 startActivity(Intent(**this**, MainActivity::**class**.java))  
 overridePendingTransition(0, 0)  
 finish()  
 }  
 }  
  
 **override fun** onBackPressed() {  
 **if** (!registerFragment.backPressOkay() || !loginFragment.backPressOkay()) {  
 toast(**"Please wait..."**)  
  
 } **else if** (supportFragmentManager.backStackEntryCount > 0) {  
 supportFragmentManager.popBackStackImmediate()  
 } **else** {  
 **if** (doubleBackToExit) {  
 **super**.onBackPressed()  
 } **else** {  
 toast(**"Tap back again to exit"**)  
 doubleBackToExit = **true** Handler().postDelayed(**{** doubleBackToExit = **false }**, 1500)  
 }  
 }  
  
 }  
  
}

**Sales:**

**package** com.ark.automobile.activities  
  
**import** android.os.Bundle  
**import** android.os.Handler  
**import** android.view.MenuItem  
**import** com.ark.automobile.R  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.AppUtils.setDrawable  
**import** com.ark.automobile.commoners.BaseActivity  
**import** com.ark.automobile.commoners.ChartLabelsFormatter  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.utils.hideView  
**import** com.ark.automobile.utils.random  
**import** com.github.mikephil.charting.components.XAxis  
**import** com.github.mikephil.charting.components.YAxis  
**import** com.github.mikephil.charting.data.\*  
**import** com.github.mikephil.charting.interfaces.datasets.ILineDataSet  
**import** com.github.mikephil.charting.utils.ColorTemplate  
**import** com.google.gson.Gson  
**import** com.google.gson.JsonObject  
**import** com.leavjenn.smoothdaterangepicker.date.SmoothDateRangePickerFragment  
**import** com.mikepenz.ionicons\_typeface\_library.Ionicons  
**import** kotlinx.android.synthetic.main.activity\_sales.\*  
**import** okhttp3.\*  
**import** org.jetbrains.anko.alert  
**import** org.jetbrains.anko.toast  
**import** timber.log.Timber  
**import** java.io.IOException  
**import** java.util.\*  
  
  
**class** SalesActivity : BaseActivity(), SmoothDateRangePickerFragment.OnDateRangeSetListener {  
 **private lateinit var** dateRangePicker: SmoothDateRangePickerFragment  
 **private var** startMonth = 0  
 **private var** endMonth = 0  
  
 **var** cars = 0  
 **var** parts = 0  
 **var** amnt = 0  
 **var** toyota = 0  
 **var** mazda = 0  
 **var** bmw = 0  
 **var** subaru = 0  
 **var** benz = 0  
 **var** honda = 0  
  
 **var** carmonth = emptyArray<String>()  
  
 **override fun** onCreate(savedInstanceState: Bundle?) {  
 **super**.onCreate(savedInstanceState)  
 setContentView(R.layout.activity\_sales)  
  
 initViews()  
  
 showLoading(**"Loading records..."**)  
 Handler().postDelayed(**{** hideLoading() **}**, 2000)  
  
 totalSales()  
 carSalesBar()  
 partSales()  
 }  
  
 **private fun** initViews() {  
 setSupportActionBar(toolbar)  
 supportActionBar?.setDisplayShowHomeEnabled(**true**)  
 supportActionBar?.setDisplayHomeAsUpEnabled(**true**)  
 supportActionBar?.title = **"Sales Reports"** dateFilter.setImageDrawable(setDrawable(**this**, Ionicons.Icon.ion\_android\_calendar, R.color.textGray, 27))  
 dateFilter.hideView()  
  
 dateRangePicker = SmoothDateRangePickerFragment.newInstance(**this**)  
 dateRangePicker.maxDate = Calendar.getInstance()  
  
 dateFilter.setOnClickListener **{** dateRangePicker.show(fragmentManager, **""**) **}** }  
  
 **private fun** totalSales() {  
 **val** salesEntries = mutableListOf<Entry>()  
  
 **val** toy1 = Entry(0f, 800000f)  
 salesEntries.add(toy1)  
 **val** toy2 = Entry(1f, 950000f)  
 salesEntries.add(toy2)  
 **val** toy3 = Entry(2f, 1200000f)  
 salesEntries.add(toy3)  
 **val** toy4 = Entry(3f, 750000f)  
 salesEntries.add(toy4)  
 **val** nis1 = Entry(4f, 1300000f)  
 salesEntries.add(nis1)  
 **val** nis2 = Entry(5f, 670000f)  
 salesEntries.add(nis2)  
 **val** nis3 = Entry(6f, 840000f)  
 salesEntries.add(nis3)  
  
 **val** salesDataSet = LineDataSet(salesEntries, **"SALES (KES 25,900,000)"**)  
 salesDataSet.axisDependency = YAxis.AxisDependency.LEFT  
 salesDataSet.color = ColorTemplate.COLORFUL\_COLORS.asList().random()!!  
  
 **val** dataSets = mutableListOf<ILineDataSet>()  
 dataSets.add(salesDataSet)  
  
 **val** lineData = LineData(dataSets)  
 totalSales.data = lineData  
 totalSales.description = **null** totalSales.setDrawGridBackground(**false**)  
 totalSales.setDrawBorders(**false**)  
 totalSales.setDrawMarkers(**false**)  
 totalSales.axisRight.setDrawLabels(**false**)  
 totalSales.axisLeft.setDrawLabels(**false**)  
  
 **val** labels = arrayOf(**"Jan"**, **"Feb"**, **"Mar"**, **"Apr"**, **"May"**, **"Jun"**, **"Jul"**)  
  
 **val** xAxis = totalSales.xAxis  
 xAxis.position = XAxis.XAxisPosition.BOTTOM  
 xAxis.setDrawGridLines(**false**)  
 xAxis.granularity = 1f  
 xAxis.isGranularityEnabled = **true** xAxis.valueFormatter = ChartLabelsFormatter(labels)  
  
 **val** yAxisRight = totalSales.axisRight  
 yAxisRight.setDrawLabels(**false**)  
 yAxisRight.setDrawGridLines(**false**)  
  
 totalSales.invalidate()  
 }  
  
 **private fun** carSalesBar() {  
 **val** entries = mutableListOf<BarEntry>()  
 entries.add(BarEntry(0f, 15f))  
 entries.add(BarEntry(1f, 9f))  
 entries.add(BarEntry(2f, 5f))  
 entries.add(BarEntry(3f, 1f))  
 entries.add(BarEntry(4f, 2f))  
 entries.add(BarEntry(5f, 3f))  
  
 **val** labels = arrayOf(**"Toyota"**, **"Mazda"**, **"Honda"**, **"BMW"**, **"Merc"**, **"Subaru"**)  
  
 **val** set = BarDataSet(entries, **"Sales (Units)"**)  
 set.colors = ColorTemplate.COLORFUL\_COLORS.asList()  
  
 **val** data = BarData(set)  
 carSalesBar.data = data  
 carSalesBar.setFitBars(**true**)  
 carSalesBar.description = **null  
  
 val** xAxis = carSalesBar.xAxis  
 xAxis.position = XAxis.XAxisPosition.BOTTOM  
 xAxis.setDrawGridLines(**false**)  
 xAxis.valueFormatter = ChartLabelsFormatter(labels)  
 xAxis.granularity = 1f  
 xAxis.isGranularityEnabled = **true  
  
 val** yAxisRight = carSalesBar.axisRight  
 yAxisRight.setDrawLabels(**false**)  
 yAxisRight.setDrawGridLines(**false**)  
  
 carSalesBar.invalidate()  
 }  
  
 **private fun** partSales() {  
 **val** entries = mutableListOf<BarEntry>()  
 entries.add(BarEntry(0f, 32f))  
 entries.add(BarEntry(1f, 87f))  
 entries.add(BarEntry(2f, 42f))  
 entries.add(BarEntry(3f, 51f))  
  
 **val** labels = arrayOf(**"Brakes"**, **"Rear door"**, **"Headlight"**, **"Engine oil"**)  
  
 **val** set = BarDataSet(entries, **"Sales (Quantity)"**)  
 set.colors = ColorTemplate.COLORFUL\_COLORS.asList()  
  
 **val** data = BarData(set)  
 partSalesBar.data = data  
 partSalesBar.setFitBars(**true**)  
 partSalesBar.description = **null  
  
 val** xAxis = partSalesBar.xAxis  
 xAxis.position = XAxis.XAxisPosition.BOTTOM  
 xAxis.setDrawGridLines(**false**)  
 xAxis.valueFormatter = ChartLabelsFormatter(labels)  
 xAxis.granularity = 1f  
 xAxis.isGranularityEnabled = **true  
  
 val** yAxisRight = partSalesBar.axisRight  
 yAxisRight.setDrawLabels(**false**)  
 yAxisRight.setDrawGridLines(**false**)  
  
 partSalesBar.invalidate()  
 }  
  
 **override fun** onDateRangeSet(view: SmoothDateRangePickerFragment?, yearStart: Int, monthStart: Int, dayStart: Int, yearEnd: Int, monthEnd: Int, dayEnd: Int) {  
 **var** months = arrayOf(**"Jan"**, **"Feb"**, **"Mar"**, **"Apr"**, **"May"**, **"Jun"**, **"Jul"**, **"Aug"**, **"Sep"**, **"Oct"**, **"Nov"**, **"Dec"**)  
  
 date.text = **"${**months[monthStart]**} $**dayStart**, $**yearStart **- ${**months[monthEnd]**} $**dayEnd**, $**yearEnd**"** startMonth = monthStart  
 endMonth = monthEnd  
  
 **for** (i **in** startMonth..endMonth) {  
 carmonth.set(carmonth.size, months[i])  
 }  
  
 *//loadData()* }  
  
 **private fun** loadData() {  
 showLoading(**"Loading reports..."**)  
  
 **val** client = OkHttpClient()  
  
 **val** urlBuilder = HttpUrl.parse(K.REPORTS\_URL)?.newBuilder()  
 urlBuilder?.addQueryParameter(**"minDate"**, startMonth.toString())  
 urlBuilder?.addQueryParameter(**"maxDate"**, endMonth.toString())  
 urlBuilder?.addQueryParameter(**"uid"**, getUid())  
  
 **val** url = urlBuilder?.build().toString()  
 **val** request = Request.Builder().url(url).build()  
  
 client.newCall(request).enqueue(**object** : Callback {  
 **override fun** onFailure(call: Call?, e: IOException?) {  
 e?.printStackTrace()  
 runOnUiThread **{** hideLoading()  
 toast(**"Error fetching reports. Please try again"**)  
 **}** }  
  
 **override fun** onResponse(call: Call?, response: Response?) {  
 runOnUiThread **{** hideLoading()  
 **}  
  
 val** res = response?.body()?.string()  
 Timber.e(**"RESULTS: $**res**"**)  
 **if** (response!!.isSuccessful) {  
 **try** {  
 **val** gson = Gson()  
 **val** json = gson.fromJson(res, JsonObject::**class**.java)  
 **val** resultCode = json[**"resultCode"**].asInt  
 runOnUiThread **{  
 when** (resultCode) {  
 -1 -> {  
 alert(json[**"description"**].asString, **"Failed"**).show()  
 }  
 0 -> {  
 alert(json[**"description"**].asString, **"Success"**).show()  
 }  
 }  
 **}** } **catch** (e: Exception) {  
 }  
 }  
 }  
 })  
 }  
  
 **private fun** janSample() {  
 **val** cars = 9  
 **val** parts = 6  
 **val** amnt = 2750000  
  
 }  
  
 **override fun** onOptionsItemSelected(item: MenuItem?): Boolean {  
 **when** (item?.itemId) {  
 android.R.id.home -> onBackPressed()  
 }  
  
 **return super**.onOptionsItemSelected(item)  
 }  
  
 **override fun** onBackPressed() {  
 **super**.onBackPressed()  
 AppUtils.animateEnterLeft(**this**)  
 }  
}

**Fragments:**

**Home:**

**package** com.ark.automobile.fragments  
  
  
**import** android.content.Intent  
**import** android.os.Bundle  
**import** android.support.v7.app.AlertDialog  
**import** android.support.v7.widget.DefaultItemAnimator  
**import** android.support.v7.widget.LinearLayoutManager  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
  
**import** com.ark.automobile.R  
**import** com.ark.automobile.activities.AddCarActivity  
**import** com.ark.automobile.activities.CarActivity  
**import** com.ark.automobile.adapters.CarsAdapter  
**import** com.ark.automobile.callbacks.CarCallback  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.BaseFragment  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.models.Car  
**import** com.ark.automobile.utils.RecyclerFormatter  
**import** com.ark.automobile.utils.hideView  
**import** com.ark.automobile.utils.showView  
**import** com.google.firebase.firestore.DocumentChange  
**import** com.google.firebase.firestore.Query  
**import** kotlinx.android.synthetic.main.fragment\_home.\*  
**import** kotlinx.android.synthetic.main.fragment\_home.view.\*  
**import** org.jetbrains.anko.alert  
**import** org.jetbrains.anko.toast  
**import** timber.log.Timber  
  
**class** HomeFragment : BaseFragment(), CarCallback {  
 **private lateinit var carsAdapter**: CarsAdapter  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?): View? {  
 *// Inflate the layout for this fragment* **return** inflater.inflate(R.layout.*fragment\_home*, container, **false**)  
 }  
  
 **override fun** onViewCreated(view: View, savedInstanceState: Bundle?) {  
 **super**.onViewCreated(view, savedInstanceState)  
 initViews(view)  
  
 loadCars()  
 }  
  
 **private fun** initViews(v: View) {  
 rv.setHasFixedSize(**true**)  
 rv.*layoutManager* = LinearLayoutManager(*activity*)  
 rv.*itemAnimator* = DefaultItemAnimator()  
 rv.addItemDecoration(RecyclerFormatter.DoubleDividerItemDecoration(*activity*!!))  
 (rv.*itemAnimator* **as** DefaultItemAnimator).*supportsChangeAnimations* = **false  
  
 carsAdapter** = CarsAdapter(*activity*!!, **this**)  
 v.rv.*adapter* = **carsAdapter** v.rv.showShimmerAdapter()  
 }  
  
 **private fun** loadCars() {  
 getFirestore().collection(K.**CARS**)  
 .orderBy(K.**TIMESTAMP**, Query.Direction.**DESCENDING**)  
 .addSnapshotListener **{** querySnapshot, firebaseFirestoreException **->  
 if** (firebaseFirestoreException != **null**) {  
 Timber.e(**"Error fetching cars $**firebaseFirestoreException**"**)  
 noCars()  
 }  
  
 **if** (querySnapshot == **null** || querySnapshot.*isEmpty*) {  
 noCars()  
 } **else** {  
 hasCars()  
  
 **for** (docChange **in** querySnapshot.*documentChanges*) {  
  
 **when** (docChange.*type*) {  
 DocumentChange.Type.**ADDED** -> {  
 **val** car = docChange.*document*.toObject(Car::**class**.*java*)  
 **carsAdapter**.addCar(car)  
 }  
  
 DocumentChange.Type.**MODIFIED** -> {  
 **val** car = docChange.*document*.toObject(Car::**class**.*java*)  
 **carsAdapter**.updateCar(car)  
 }  
  
 DocumentChange.Type.**REMOVED** -> {  
 **val** car = docChange.*document*.toObject(Car::**class**.*java*)  
 **carsAdapter**.removeCar(car)  
 }  
  
 }  
  
 }  
  
 }  
 **}** }  
  
  
 **private fun** hasCars() {  
 rv?.hideShimmerAdapter()  
 empty?.*hideView*()  
 rv?.*showView*()  
 }  
  
 **private fun** noCars() {  
 rv?.hideShimmerAdapter()  
 rv?.*hideView*()  
 empty?.*showView*()  
 }  
  
 **override fun** onClick(v: View, car: Car) {  
 **when** (v.*id*) {  
 R.id.*action* -> {  
 **if** (car.**sellerId** == getUid()) {  
 *activity*?.*alert*(**"Mark ${**car.**make} ${**car.**model} as sold?"**) **{** positiveButton(**"YES"**) **{** getFirestore().collection(K.**SOLD**).document(getUid()).collection(K.**CARS**).document(car.**id**!!).set(car)  
  
 getFirestore().collection(K.**CARS**).document(car.**id**!!).delete().addOnSuccessListener **{** *activity*?.*toast*(**"${**car.**make} ${**car.**model} sold"**)  
 **}  
 }** negativeButton(**"CANCEL"**) **{}  
 }**!!.show()  
  
 } **else** {  
 **val** i = Intent(*activity*, CarActivity::**class**.*java*)  
 i.putExtra(K.**CAR**, car)  
 startActivity(i)  
 AppUtils.animateFadein(*activity*!!)  
 }  
 }  
  
 R.id.*moreOptions* -> {  
 **if** (car.**sellerId** == getUid()) {  
 sellerOptions(car)  
 } **else** {  
 buyerOptions(car)  
 }  
 }  
  
 R.id.*image* -> {  
 **val** i = Intent(*activity*, CarActivity::**class**.*java*)  
 i.putExtra(K.**CAR**, car)  
 startActivity(i)  
 AppUtils.animateFadein(*activity*!!)  
 }  
  
 R.id.*contact* -> {  
 **if** (car.**sellerId** == getUid()) {  
 **val** i = Intent(*activity*, AddCarActivity::**class**.*java*)  
 i.putExtra(K.**CAR**, car)  
 *activity*!!.startActivity(i)  
 AppUtils.animateEnterLeft(*activity*!!)  
  
 } **else** {  
  
 }  
 }  
 }  
 }  
  
 **private fun** sellerOptions(car: Car) {  
 **val** items = *arrayOf*<CharSequence>(**"Delete"**)  
  
 **val** builder = AlertDialog.Builder(*activity*!!)  
 builder.setItems(items) **{** \_, item **->  
 when** (item) {  
 0 -> {  
 getFirestore().collection(K.**CARS**).document(car.**id**!!).delete()  
 .addOnSuccessListener **{** *activity*?.*toast*(**"${**car.**make} ${**car.**model} deleted!"**)  
 **}** .addOnFailureListener **{** Timber.e(**"Error deleting ${**car.**id}"**)  
 *activity*?.*toast*(**"Error deleting ${**car.**make} ${**car.**model}"**)  
 **}** }  
 }  
 **}  
 val** alert = builder.create()  
 alert.show()  
 }  
  
 **private fun** buyerOptions(car: Car) {  
 **val** builder = AlertDialog.Builder(*activity*!!)  
  
 **if** (car.**watchlist**.containsKey(getUid())) {  
 **val** items = *arrayOf*<CharSequence>(**"Remove from watchlist"**)  
  
 builder.setItems(items) **{** \_, item **->  
 when** (item) {  
 0 -> {  
 removeFromWatchlist(car)  
 }  
 }  
 **}** } **else** {  
 **val** items = *arrayOf*<CharSequence>(**"Add to watchlist"**)  
  
 builder.setItems(items) **{** \_, item **->  
 when** (item) {  
 0 -> {  
 addToWatchList(car)  
 }  
 }  
 **}** }  
  
 **val** alert = builder.create()  
 alert.show()  
 }  
  
 **private fun** addToWatchList(car: Car) {  
 **val** docRef = getFirestore().collection(K.**CARS**).document(car.**id**!!)  
  
 getFirestore().runTransaction **{  
 val** snapshot = **it**[docRef].toObject(Car::**class**.*java*)  
 **val** watchlist = snapshot?.**watchlist** watchlist?.put(getUid(), **true**)  
 car.**watchlist**[getUid()] = **true  
  
 it**.update(docRef, K.**WATCHLIST**, watchlist)  
  
 **return**@runTransaction **null  
 }**.addOnSuccessListener **{** Timber.e(**"Successfully added ${**car.**id} to ${**getUid()**} watchlist"**)  
 *activity*?.*toast*(**"${**car.**make} ${**car.**model} added to watchlist"**)  
  
 getFirestore().collection(K.**WATCHLIST**).document(getUid()).collection(K.**CARS**).document(car.**id**!!).set(car)  
 **}**.addOnFailureListener **{** Timber.e(**"Error adding ${**car.**id} to watchlist: $it"**)  
 **}** }  
  
 **private fun** removeFromWatchlist(car: Car) {  
 **val** docRef = getFirestore().collection(K.**CARS**).document(car.**id**!!)  
  
 getFirestore().runTransaction **{  
 val** snapshot = **it**[docRef].toObject(Car::**class**.*java*)  
 **val** watchlist = snapshot?.**watchlist** watchlist?.remove(getUid())  
 car.**watchlist**.remove(getUid())  
  
 **it**.update(docRef, K.**WATCHLIST**, watchlist)  
  
 **return**@runTransaction **null  
 }**.addOnSuccessListener **{** Timber.e(**"Successfully removed ${**car.**id} from ${**getUid()**} watchlist"**)  
 *activity*?.*toast*(**"${**car.**make} ${**car.**model} removed from watchlist"**)  
  
 getFirestore().collection(K.**WATCHLIST**).document(getUid()).collection(K.**CARS**).document(car.**id**!!).delete()  
 **}**.addOnFailureListener **{** Timber.e(**"Error removing ${**car.**id} from watchlist: $it"**)  
 **}** }  
}

**Login:**

**package** com.ark.automobile.fragments  
  
  
**import** android.content.Intent  
**import** android.content.SharedPreferences  
**import** android.graphics.Bitmap  
**import** android.os.Bundle  
**import** android.os.Handler  
**import** android.support.v7.app.AppCompatActivity  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** com.ark.automobile.R  
**import** com.ark.automobile.activities.MainActivity  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.AppUtils.drawableToBitmap  
**import** com.ark.automobile.commoners.AppUtils.setDrawable  
**import** com.ark.automobile.commoners.BaseFragment  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.models.User  
**import** com.ark.automobile.utils.PreferenceHelper  
**import** com.ark.automobile.utils.PreferenceHelper.set  
**import** com.ark.automobile.utils.replaceFragment  
**import** com.ark.automobile.utils.setDrawable  
**import** com.google.firebase.auth.FirebaseAuthInvalidCredentialsException  
**import** com.google.firebase.auth.FirebaseAuthInvalidUserException  
**import** com.google.firebase.auth.FirebaseUser  
**import** com.google.firebase.messaging.FirebaseMessaging  
**import** com.mikepenz.ionicons\_typeface\_library.Ionicons  
**import** kotlinx.android.synthetic.main.fragment\_login.\*  
**import** org.jetbrains.anko.alert  
**import** org.jetbrains.anko.toast  
**import** timber.log.Timber  
  
**class** LoginFragment : BaseFragment() {  
 **private lateinit var** signupSuccessful: Bitmap  
 **private var** isLoggingIn = **false  
 private lateinit var** prefs: SharedPreferences  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?): View? {  
 *// Inflate the layout for this fragment* **val** successfulIcon = setDrawable(activity!!, Ionicons.Icon.ion\_checkmark\_round, R.color.white, 25)  
 signupSuccessful = drawableToBitmap(successfulIcon)  
 prefs = PreferenceHelper.defaultPrefs(activity!!)  
  
 **return** inflater.inflate(R.layout.fragment\_login, container, **false**)  
 }  
  
 **override fun** onViewCreated(view: View, savedInstanceState: Bundle?) {  
 **super**.onViewCreated(view, savedInstanceState)  
  
 loginEmail.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_ios\_email, R.color.secondaryText, 18))  
 loginPassword.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_android\_lock, R.color.secondaryText, 18))  
  
 loginRegister.setOnClickListener **{  
 if** (!isLoggingIn)  
 (activity **as** AppCompatActivity).replaceFragment(RegisterFragment(), R.id.authHolder)  
 **else** activity!!.toast(**"Please wait..."**)  
 **}** loginButton.setOnClickListener **{** signIn() **}** loginForgotPassword.setOnClickListener **{ if** (!isLoggingIn) forgotPassword() **else** activity!!.toast(**"Please wait..."**) **}** }  
  
 **private fun** signIn() {  
 **if** (!AppUtils.validated(loginEmail, loginPassword)) **return  
  
 val** email = loginEmail.text.toString().trim()  
 **val** pw = loginPassword.text.toString().trim()  
  
 isLoggingIn = **true** loginButton.startAnimation()  
 getFirebaseAuth().signInWithEmailAndPassword(email, pw)  
 .addOnCompleteListener(activity!!) **{** task **->  
 if** (task.isSuccessful) {  
 Timber.e(**"signingIn: Success!"**)  
  
 *// update UI with the signed-in user's information* **val** user = task.result.user  
 updateUI(user!!)  
 } **else** {  
 **try** {  
 **throw** task.exception!!  
 } **catch** (wrongPassword: FirebaseAuthInvalidCredentialsException) {  
 isLoggingIn = **false** loginButton.revertAnimation()  
 loginPassword.error = **"Password incorrect"** } **catch** (userNull: FirebaseAuthInvalidUserException) {  
 isLoggingIn = **false** loginButton.revertAnimation()  
 activity?.toast(**"Account not found. Have you signed up?"**)  
  
 } **catch** (e: Exception) {  
 isLoggingIn = **false** loginButton.revertAnimation()  
 Timber.e(**"signingIn: Failure - ${**e.localizedMessage**}"**)  
 activity?.toast(**"Error signing in. Please try again."**)  
 }  
 }  
 **}** }  
  
 **private fun** forgotPassword() {  
 **if** (!AppUtils.validated(loginEmail)) **return  
  
 val** email = loginEmail.text.toString().trim()  
  
 activity?.alert(**"Instructions to reset your password will be sent to $**email**"**) **{** title = **"Forgot password"** positiveButton(**"SEND EMAIL"**) **{** getFirebaseAuth().sendPasswordResetEmail(email)  
 .addOnCompleteListener(activity!!) **{** task **->  
 if** (task.isSuccessful) {  
 Timber.e(**"sendResetPassword: Success!"**)  
  
 activity?.toast(**"Email sent"**)  
 } **else** {  
 **try** {  
 **throw** task.exception!!  
 } **catch** (malformedEmail: FirebaseAuthInvalidCredentialsException) {  
 loginEmail.error = **"Incorrect email format"** activity?.toast(**"Email not sent. Please try again."**)  
  
 } **catch** (e: Exception) {  
 Timber.e(**"sendResetEmail: Failure - $**e**"**)  
 activity?.toast(**"Email not sent. Please try again."**)  
 }  
 }  
 **}  
  
 }** negativeButton(**"CANCEL"**) **{}  
 }**!!.show()  
 }  
  
 **private fun** updateUI(user: FirebaseUser) {  
 FirebaseMessaging.getInstance().subscribeToTopic(K.TOPIC\_GLOBAL)  
 **val** ref = getFirestore().collection(K.USERS).document(user.uid)  
  
 ref.get().addOnCompleteListener **{  
 if** (it.isSuccessful) {  
 **val** userObject = it.result.toObject(User::**class**.java)  
  
 prefs[K.NAME] = userObject!!.name  
 prefs[K.EMAIL] = userObject.email  
 prefs[K.PHONE] = userObject.phone  
  
 Handler().postDelayed(**{** activity!!.toast(**"Welcome back ${**userObject.name**}"**)  
  
 startActivity(Intent(activity!!, MainActivity::**class**.java))  
 activity!!.overridePendingTransition(R.anim.enter\_b, R.anim.exit\_a)  
 activity!!.finish()  
 **}**, 400)  
  
 } **else** {  
 Timber.e(**"Fetching user data failed with ${**it.exception**}"**)  
 }  
 **}** }  
  
 *// Check if user has initiated logging in process. If in process, disable back button* **fun** backPressOkay(): Boolean = !isLoggingIn  
  
 **override fun** onDestroy() {  
 **if** (loginButton != **null**) loginButton.dispose()  
 **super**.onDestroy()  
 }  
  
}

**Car Orders:**

**package** com.ark.automobile.fragments  
  
  
**import** android.os.Bundle  
**import** android.support.v7.widget.DefaultItemAnimator  
**import** android.support.v7.widget.LinearLayoutManager  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
  
**import** com.ark.automobile.R  
**import** com.ark.automobile.adapters.BookingsAdapter  
**import** com.ark.automobile.commoners.BaseFragment  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.models.Booking  
**import** com.ark.automobile.utils.RecyclerFormatter  
**import** com.ark.automobile.utils.hideView  
**import** com.ark.automobile.utils.showView  
**import** com.google.firebase.database.\*  
**import** kotlinx.android.synthetic.main.fragment\_my\_bookings.\*  
**import** timber.log.Timber  
  
**class** MyOrdersCarsFragment : BaseFragment() {  
 **private lateinit var** bookingsAdapter: BookingsAdapter  
 **private lateinit var** ordersQuery: Query  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?): View? {  
 *// Inflate the layout for this fragment* ordersQuery = getDatabaseReference().child(K.TEST\_DRIVES).child(getUid())  
 **return** inflater.inflate(R.layout.fragment\_my\_bookings, container, **false**)  
 }  
  
 **override fun** onViewCreated(view: View, savedInstanceState: Bundle?) {  
 **super**.onViewCreated(view, savedInstanceState)  
 initViews(view)  
  
 ordersQuery.addValueEventListener(carsValueListener)  
 ordersQuery.addChildEventListener(carsChildListener)  
 }  
  
 **private fun** initViews(v: View) {  
 rv.setHasFixedSize(**true**)  
 rv.layoutManager = LinearLayoutManager(activity)  
 rv.itemAnimator = DefaultItemAnimator()  
 rv.addItemDecoration(RecyclerFormatter.SimpleDividerItemDecoration(activity!!))  
  
 bookingsAdapter = BookingsAdapter(activity!!)  
 rv.adapter = bookingsAdapter  
 rv.showShimmerAdapter()  
 }  
  
 **private val** carsValueListener = **object** : ValueEventListener {  
 **override fun** onCancelled(p0: DatabaseError) {  
 Timber.e(**"Error fetching chats: $**p0**"**)  
 noCars()  
 }  
  
 **override fun** onDataChange(p0: DataSnapshot) {  
 **if** (p0.exists()) {  
 hasCars()  
 } **else** {  
 noCars()  
 }  
 }  
 }  
  
 **private val** carsChildListener = **object** : ChildEventListener {  
  
 **override fun** onCancelled(p0: DatabaseError) {  
 Timber.e(**"Child listener cancelled: $**p0**"**)  
 }  
  
 **override fun** onChildMoved(p0: DataSnapshot, p1: String?) {  
 Timber.e(**"Chat moved: ${**p0.key**}"**)  
 }  
  
 **override fun** onChildChanged(p0: DataSnapshot, p1: String?) {  
*// val booking = p0.getValue(Booking::class.java)  
// bookingsAdapter.addBooking(booking!!)* }  
  
 **override fun** onChildAdded(p0: DataSnapshot, p1: String?) {  
 **val** booking = p0.getValue(Booking::**class**.java)  
 bookingsAdapter.addBooking(booking!!)  
 }  
  
 **override fun** onChildRemoved(p0: DataSnapshot) {  
 Timber.e(**"Chat removed: ${**p0.key**}"**)  
 }  
 }  
  
 **private fun** hasCars() {  
 rv?.hideShimmerAdapter()  
 empty?.hideView()  
 rv?.showView()  
 }  
  
 **private fun** noCars() {  
 rv?.hideShimmerAdapter()  
 rv?.hideView()  
 empty?.showView()  
 }  
  
  
 **override fun** onDestroy() {  
 **super**.onDestroy()  
 ordersQuery.removeEventListener(carsValueListener)  
 ordersQuery.removeEventListener(carsChildListener)  
 }  
  
}

**Uploads:**

**package** com.ark.automobile.fragments  
  
  
**import** android.content.Intent  
**import** android.os.Bundle  
**import** android.support.v7.app.AlertDialog  
**import** android.support.v7.widget.DefaultItemAnimator  
**import** android.support.v7.widget.LinearLayoutManager  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
  
**import** com.ark.automobile.R  
**import** com.ark.automobile.activities.AddCarActivity  
**import** com.ark.automobile.activities.CarActivity  
**import** com.ark.automobile.adapters.CarsAdapter  
**import** com.ark.automobile.callbacks.CarCallback  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.BaseFragment  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.models.Car  
**import** com.ark.automobile.utils.RecyclerFormatter  
**import** com.ark.automobile.utils.hideView  
**import** com.ark.automobile.utils.showView  
**import** com.google.firebase.firestore.DocumentChange  
**import** kotlinx.android.synthetic.main.fragment\_my\_cars.\*  
**import** org.jetbrains.anko.alert  
**import** org.jetbrains.anko.toast  
**import** timber.log.Timber  
  
**class** MyUploadsCarsFragment : BaseFragment(), CarCallback {  
 **private lateinit var** carsAdapter: CarsAdapter  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?): View? {  
 *// Inflate the layout for this fragment* **return** inflater.inflate(R.layout.fragment\_my\_cars, container, **false**)  
 }  
  
 **override fun** onViewCreated(view: View, savedInstanceState: Bundle?) {  
 **super**.onViewCreated(view, savedInstanceState)  
 initViews(view)  
  
 loadCars()  
 }  
  
 **private fun** initViews(v: View) {  
 rv.setHasFixedSize(**true**)  
 rv.layoutManager = LinearLayoutManager(activity!!)  
 rv.itemAnimator = DefaultItemAnimator()  
 rv.addItemDecoration(RecyclerFormatter.DoubleDividerItemDecoration(activity!!))  
 (rv.itemAnimator **as** DefaultItemAnimator).supportsChangeAnimations = **false** carsAdapter = CarsAdapter(activity!!, **this**)  
 rv.adapter = carsAdapter  
 rv.showShimmerAdapter()  
 }  
  
 **private fun** loadCars() {  
 getFirestore().collection(K.CARS)  
 .whereEqualTo(**"sellerId"**, getUid())  
 *//.orderBy(K.TIMESTAMP, Query.Direction.DESCENDING)* .addSnapshotListener **{** querySnapshot, firebaseFirestoreException **->  
 if** (firebaseFirestoreException != **null**) {  
 Timber.e(**"Error fetching cars $**firebaseFirestoreException**"**)  
 noCars()  
 }  
  
 **if** (querySnapshot == **null** || querySnapshot.isEmpty) {  
 noCars()  
 } **else** {  
 hasCars()  
  
 **for** (docChange **in** querySnapshot.documentChanges) {  
  
 **when** (docChange.type) {  
 DocumentChange.Type.ADDED -> {  
 **val** car = docChange.document.toObject(Car::**class**.java)  
 carsAdapter.addCar(car)  
 }  
  
 DocumentChange.Type.MODIFIED -> {  
 **val** car = docChange.document.toObject(Car::**class**.java)  
 carsAdapter.updateCar(car)  
 }  
  
 DocumentChange.Type.REMOVED -> {  
 **val** car = docChange.document.toObject(Car::**class**.java)  
 carsAdapter.removeCar(car)  
 }  
  
 }  
  
 }  
  
 }  
 **}** }  
  
 **private fun** hasCars() {  
 rv?.hideShimmerAdapter()  
 empty?.hideView()  
 rv?.showView()  
 }  
  
 **private fun** noCars() {  
 rv?.hideShimmerAdapter()  
 rv?.hideView()  
 empty?.showView()  
 }  
  
 **override fun** onClick(v: View, car: Car) {  
 **when** (v.id) {  
 R.id.action -> {  
 **if** (car.sellerId == getUid()) {  
 activity?.alert(**"Mark ${**car.make**} ${**car.model**} as sold?"**) **{** positiveButton(**"YES"**) **{}** negativeButton(**"CANCEL"**) **{}  
 }**!!.show()  
  
 } **else** {  
 **val** i = Intent(activity, CarActivity::**class**.java)  
 i.putExtra(K.CAR, car)  
 startActivity(i)  
 AppUtils.animateFadein(activity!!)  
 }  
 }  
  
 R.id.image -> {  
 **val** i = Intent(activity, CarActivity::**class**.java)  
 i.putExtra(K.CAR, car)  
 startActivity(i)  
 AppUtils.animateFadein(activity!!)  
 }  
  
 R.id.moreOptions -> {  
 **if** (car.sellerId == getUid()) {  
 sellerOptions(car)  
 } **else** {  
 *//buyerOptions(car)* }  
 }  
  
 R.id.contact -> {  
 **if** (car.sellerId == getUid()) {  
 **val** i = Intent(activity, AddCarActivity::**class**.java)  
 activity!!.startActivity(i)  
 AppUtils.animateEnterLeft(activity!!)  
 } **else** {  
  
 }  
 }  
 }  
 }  
  
 **private fun** sellerOptions(car: Car) {  
 **val** items = arrayOf<CharSequence>(**"Delete"**)  
  
 **val** builder = AlertDialog.Builder(activity!!)  
 builder.setItems(items) **{** \_, item **->  
 when** (item) {  
 0 -> {  
 getFirestore().collection(K.CARS).document(car.id!!).delete()  
 .addOnSuccessListener **{** activity?.toast(**"${**car.make**} ${**car.model**} deleted!"**)  
 **}** .addOnFailureListener **{** Timber.e(**"Error deleting ${**car.id**}"**)  
 activity?.toast(**"Error deleting ${**car.make**} ${**car.model**}"**)  
 **}** }  
 }  
 **}  
 val** alert = builder.create()  
 alert.show()  
 }  
  
}

**Register:**

**package** com.ark.automobile.fragments  
  
  
**import** android.app.Activity  
**import** android.app.Activity.RESULT\_OK  
**import** android.content.Intent  
**import** android.content.SharedPreferences  
**import** android.graphics.Bitmap  
**import** android.net.Uri  
**import** android.os.Bundle  
**import** android.provider.MediaStore  
**import** android.support.v7.app.AppCompatActivity  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** com.ark.automobile.R  
**import** com.ark.automobile.activities.MainActivity  
**import** com.ark.automobile.commoners.AppUtils  
**import** com.ark.automobile.commoners.AppUtils.drawableToBitmap  
**import** com.ark.automobile.commoners.AppUtils.getColor  
**import** com.ark.automobile.commoners.AppUtils.setDrawable  
**import** com.ark.automobile.commoners.BaseFragment  
**import** com.ark.automobile.commoners.K  
**import** com.ark.automobile.models.User  
**import** com.ark.automobile.utils.\*  
**import** com.ark.automobile.utils.PreferenceHelper.set  
**import** com.google.firebase.auth.FirebaseAuthInvalidCredentialsException  
**import** com.google.firebase.auth.FirebaseAuthUserCollisionException  
**import** com.google.firebase.auth.FirebaseAuthWeakPasswordException  
**import** com.google.firebase.auth.FirebaseUser  
**import** com.google.firebase.messaging.FirebaseMessaging  
**import** com.mikepenz.ionicons\_typeface\_library.Ionicons  
**import** com.theartofdev.edmodo.cropper.CropImage  
**import** com.theartofdev.edmodo.cropper.CropImageView  
**import** kotlinx.android.synthetic.main.fragment\_register.\*  
**import** org.jetbrains.anko.toast  
**import** timber.log.Timber  
  
**class** RegisterFragment : BaseFragment() {  
 **private lateinit var** registerSuccessful: Bitmap  
 **private var** imageUri: Uri? = **null  
 private var** imageSelected = **false  
 private var** isCreatingAccount = **false  
 private lateinit var** prefs: SharedPreferences  
  
 **companion object** {  
 **private const val** AVATAR\_REQUEST = 1  
 }  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?): View? {  
 *// Inflate the layout for this fragment* **val** successfulIcon = setDrawable(activity!!, Ionicons.Icon.ion\_checkmark\_round, R.color.white, 25)  
 registerSuccessful = drawableToBitmap(successfulIcon)  
 prefs = PreferenceHelper.defaultPrefs(activity!!)  
  
 **return** inflater.inflate(R.layout.fragment\_register, container, **false**)  
 }  
  
 **override fun** onViewCreated(view: View, savedInstanceState: Bundle?) {  
 **super**.onViewCreated(view, savedInstanceState)  
  
 registerFirstname.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_person, R.color.secondaryText, 18))  
 registerLastname.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_person, R.color.secondaryText, 18))  
 registerPhone.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_android\_call, R.color.secondaryText, 18))  
 registerEmail.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_ios\_email, R.color.secondaryText, 18))  
 registerPassword.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_android\_lock, R.color.secondaryText, 18))  
 registerConfirmPassword.setDrawable(setDrawable(activity!!, Ionicons.Icon.ion\_android\_lock, R.color.secondaryText, 18))  
  
 registerAvatar.setOnClickListener **{  
 if** (!isCreatingAccount) {  
 **if** (storagePermissionGranted()) {  
 **val** galleryIntent = Intent(Intent.ACTION\_PICK, MediaStore.Images.Media.EXTERNAL\_CONTENT\_URI)  
 startActivityForResult(galleryIntent, AVATAR\_REQUEST)  
  
 *//pickImageFromGallery()* } **else** {  
 requestStoragePermission()  
 }  
 }  
 **}** registerLogin.setOnClickListener **{  
 if** (!isCreatingAccount) {  
 **if** (activity!!.supportFragmentManager.backStackEntryCount > 0)  
 activity!!.supportFragmentManager.popBackStackImmediate()  
 **else** (activity **as** AppCompatActivity).replaceFragment(LoginFragment(), R.id.authHolder)  
 } **else** activity!!.toast(**"Please wait..."**)  
 **}** registerTerms.setOnClickListener **{  
 if** (!isCreatingAccount) {  
 **val** i = Intent(Intent.ACTION\_VIEW)  
 i.data = Uri.parse(**"https://sites.google.com/view/dankmemesapp/terms-and-conditions"**)  
 startActivity(i)  
 } **else** activity!!.toast(**"Please wait..."**)  
 **}** registerButton.setOnClickListener **{** signUp() **}** }  
  
 **private fun** signUp() {  
 *// Check if all fields are filled* **if** (!AppUtils.validated(registerFirstname, registerLastname, registerEmail, registerPassword, registerConfirmPassword)) **return  
  
 val** name = **"${**registerFirstname.text.toString().trim()**} ${**registerLastname.text.toString().trim()**}"  
 val** email = registerEmail.text.toString().trim()  
 **val** pw = registerPassword.text.toString().trim()  
 **val** confirmPw = registerConfirmPassword.text.toString().trim()  
  
 *// Check if password and confirm password match* **if** (pw != confirmPw) {  
 registerConfirmPassword.error = **"Does not match password"  
 return** }  
  
 *// Check if user has agreed to terms and conditions* **if** (!registerCheckBox.isChecked) {  
 activity?.toast(**"Please check the terms and conditions"**)  
 **return** }  
  
 *// Check if user has selected avatar* **if** (!imageSelected) {  
 activity?.toast(**"Please select a profile picture"**)  
 **return** }  
  
 *// Create new user* isCreatingAccount = **true** registerButton.startAnimation()  
 getFirebaseAuth().createUserWithEmailAndPassword(email, pw)  
 .addOnCompleteListener(activity!!) **{** task **->  
 if** (task.isSuccessful) {  
 registerButton.doneLoadingAnimation(getColor(activity!!, R.color.pink), registerSuccessful)  
 Timber.e(**"signingIn: Success!"**)  
  
 *// update UI with the signed-in user's information* **val** user = task.result.user  
 updateUI(user)  
  
 prefs[K.NAME] = name  
 prefs[K.EMAIL] = email  
 prefs[K.PHONE] = registerPhone.text.toString().trim()  
  
 } **else** {  
 **try** {  
 **throw** task.exception!!  
 } **catch** (weakPassword: FirebaseAuthWeakPasswordException) {  
 isCreatingAccount = **false** registerButton.revertAnimation()  
 registerPassword.error = **"Please enter a stronger password"** } **catch** (userExists: FirebaseAuthUserCollisionException) {  
 isCreatingAccount = **false** registerButton.revertAnimation()  
 activity?.toast(**"Account already exists. Please log in."**)  
  
 } **catch** (malformedEmail: FirebaseAuthInvalidCredentialsException) {  
 isCreatingAccount = **false** registerButton.revertAnimation()  
 registerEmail.error = **"Incorrect email format"** } **catch** (e: Exception) {  
 isCreatingAccount = **false** registerButton.revertAnimation()  
 Timber.e(**"signingIn: Failure - $**e**}"**)  
 activity?.toast(**"Error signing up. Please try again."**)  
 }  
 }  
 **}** }  
  
 **private fun** updateUI(user: FirebaseUser) {  
 **val** id = user.uid  
  
 **val** newUser = User()  
 newUser.name = **"${**registerFirstname.text.toString().trim()**} ${**registerLastname.text.toString().trim()**}"** newUser.email = user.email  
 *//newUser.token = getToken()* newUser.id = id  
 newUser.phone = registerPhone.text.toString().trim()  
  
 **val** ref = getStorageReference().child(**"avatars"**).child(id)  
 **val** uploadTask = ref.putFile(imageUri!!)  
 uploadTask.continueWithTask **{** task **->  
 if** (!task.isSuccessful) {  
 **throw** task.exception!!  
 }  
 Timber.e(**"Image uploaded"**)  
  
 *// Continue with the task to getBitmap the download URL* ref.downloadUrl  
 **}**.addOnCompleteListener **{** task **->  
 if** (task.isSuccessful) {  
 newUser.avatar = task.result.toString()  
  
 user.sendEmailVerification()  
 FirebaseMessaging.getInstance().subscribeToTopic(K.TOPIC\_GLOBAL)  
  
 getFirestore().collection(K.USERS).document(id).set(newUser).addOnSuccessListener **{** Timber.e(**"Adding user: $**newUser**"**)  
 registerButton.doneLoadingAnimation(getColor(activity!!, R.color.pink), registerSuccessful)  
  
 activity!!.toast(**"Welcome ${**registerFirstname.text.toString().trim()**} ${**registerLastname.text.toString().trim()**}"**)  
 startActivity(Intent(activity!!, MainActivity::**class**.java))  
 AppUtils.animateEnterRight(activity!!)  
 activity!!.finish()  
 **}** } **else** {  
 registerButton.revertAnimation()  
 activity?.toast(**"Error signing up. Please try again."**)  
 Timber.e(**"Error signing up: ${**task.exception**}"**)  
 }  
 **}** }  
  
 **override fun** onActivityResult(requestCode: Int, resultCode: Int, data: Intent?) {  
 **super**.onActivityResult(requestCode, resultCode, data)  
  
 **if** (requestCode == AVATAR\_REQUEST && resultCode == RESULT\_OK) {  
 data.let **{** imageUri = it!!.data **}** startCropActivity(imageUri!!)  
 Timber.e(**"Avatar uri: ${**data.toString()**}\""**)  
 }  
  
 **if** (requestCode == CropImage.CROP\_IMAGE\_ACTIVITY\_REQUEST\_CODE) {  
 **val** result = CropImage.getActivityResult(data)  
 **if** (resultCode == Activity.RESULT\_OK) {  
 imageSelected = **true  
 val** resultUri = result.uri  
 Timber.e(**"Avatar: $**resultUri**"**)  
  
 registerAvatar?.loadUrl(resultUri.toString())  
 imageUri = resultUri  
  
 } **else if** (resultCode == CropImage.CROP\_IMAGE\_ACTIVITY\_RESULT\_ERROR\_CODE) {  
 Timber.e(**"Cropping error: ${**result.error.message**}"**)  
 }  
 }  
  
 }  
  
 **private fun** startCropActivity(imageUri: Uri) {  
 CropImage.activity(imageUri)  
 .setGuidelines(CropImageView.Guidelines.ON)  
 .start(context!!, **this**)  
 }  
  
 *// Check if user has initiated signing up process. If in process, disable back button* **fun** backPressOkay(): Boolean = !isCreatingAccount  
  
 **override fun** onDestroy() {  
 **if** (registerButton != **null**) registerButton.dispose()  
 **super**.onDestroy()  
 }  
  
}

**Search:**

**package** com.ark.automobile.fragments  
  
  
**import** android.os.Bundle  
**import** android.support.v4.app.Fragment  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
  
**import** com.ark.automobile.R  
  
**class** SearchFragment : Fragment() {  
  
 **override fun** onCreateView(inflater: LayoutInflater, container: ViewGroup?,  
 savedInstanceState: Bundle?): View? {  
 *// Inflate the layout for this fragment* **return** inflater.inflate(R.layout.*fragment\_search*, container, **false**)  
 }  
  
  
}

**Other Utilities:**

**Binding Adapters:**

**package** com.ark.automobile.utils;  
  
**import** android.net.Uri;  
**import** android.widget.ImageView;  
  
**import** com.bumptech.glide.Glide;  
  
**public class** BindingAdapter {  
  
 @android.databinding.BindingAdapter({**"imageUrl"**})  
 **public static void** loadImageFromInt(ImageView view, **int** url) {  
 Glide.*with*(view.getContext())  
 .load(url)  
 .thumbnail(0.05f)  
 .into(view);  
 }  
  
 @android.databinding.BindingAdapter({**"imageUrl"**})  
 **public static void** loadImageFromString(ImageView view, String url) {  
 Glide.*with*(view.getContext())  
 .load(url)  
 .thumbnail(0.05f)  
 .into(view);  
 }  
  
 @android.databinding.BindingAdapter({**"imageUri"**})  
 **public static void** loadImageFromUri(ImageView view, Uri uri) {  
 Glide.*with*(view.getContext())  
 .load(uri)  
 .thumbnail(0.05f)  
 .into(view);  
 }  
  
  
}

**Connectivity:**

**package** com.ark.automobile.utils  
  
**import** android.content.Context  
**import** android.net.ConnectivityManager  
**import** android.net.NetworkInfo  
**import** android.telephony.TelephonyManager  
  
**object** Connectivity {  
  
 */\*\*  
 \* Get the network info  
 \** ***@param context*** *\** ***@return*** *\*/* **private fun** getNetworkInfo(context: Context): NetworkInfo? {  
 **val** cm = context.getSystemService(Context.CONNECTIVITY\_SERVICE) **as** ConnectivityManager  
 **return** cm.activeNetworkInfo  
 }  
  
 */\*\*  
 \* Check if there is any connectivity  
 \** ***@param context*** *\** ***@return*** *\*/* **fun** isConnected(context: Context): Boolean {  
 **val** info = getNetworkInfo(context)  
 **return** info != **null** && info.isConnected  
 }  
  
 */\*\*  
 \* Check if there is any connectivity to a Wifi network  
 \** ***@param context*** *\** ***@param type*** *\** ***@return*** *\*/* **fun** isConnectedWifi(context: Context): Boolean {  
 **val** info = getNetworkInfo(context)  
 **return** info != **null** && info.isConnected && info.type == ConnectivityManager.TYPE\_WIFI  
 }  
  
 */\*\*  
 \* Check if there is any connectivity to a mobile network  
 \** ***@param context*** *\** ***@param type*** *\** ***@return*** *\*/* **fun** isConnectedMobile(context: Context): Boolean {  
 **val** info = getNetworkInfo(context)  
 **return** info != **null** && info.isConnected && info.type == ConnectivityManager.TYPE\_MOBILE  
 }  
  
 */\*\*  
 \* Check if there is fast connectivity  
 \** ***@param context*** *\** ***@return*** *\*/* **fun** isConnectedFast(context: Context): Boolean {  
 **val** info = getNetworkInfo(context)  
 **return** info != **null** && info.isConnected && isConnectionFast(info.type, info.subtype)  
 }  
  
 */\*\*  
 \* Check if the connection is fast  
 \** ***@param type*** *\** ***@param subType*** *\** ***@return*** *\*/* **private fun** isConnectionFast(type: Int, subType: Int): Boolean =  
 **when** (type) {  
 ConnectivityManager.TYPE\_WIFI -> **true** ConnectivityManager.TYPE\_MOBILE -> **when** (subType) {  
 TelephonyManager.NETWORK\_TYPE\_1xRTT -> **false** *// ~ 50-100 kbps* TelephonyManager.NETWORK\_TYPE\_CDMA -> **false** *// ~ 14-64 kbps* TelephonyManager.NETWORK\_TYPE\_EDGE -> **false** *// ~ 50-100 kbps* TelephonyManager.NETWORK\_TYPE\_EVDO\_0 -> **true** *// ~ 400-1000 kbps* TelephonyManager.NETWORK\_TYPE\_EVDO\_A -> **true** *// ~ 600-1400 kbps* TelephonyManager.NETWORK\_TYPE\_GPRS -> **false** *// ~ 100 kbps* TelephonyManager.NETWORK\_TYPE\_HSDPA -> **true** *// ~ 2-14 Mbps* TelephonyManager.NETWORK\_TYPE\_HSPA -> **true** *// ~ 700-1700 kbps* TelephonyManager.NETWORK\_TYPE\_HSUPA -> **true** *// ~ 1-23 Mbps* TelephonyManager.NETWORK\_TYPE\_UMTS -> **true** *// ~ 400-7000 kbps* TelephonyManager.NETWORK\_TYPE\_EHRPD *// API level 11* -> **true** *// ~ 1-2 Mbps* TelephonyManager.NETWORK\_TYPE\_EVDO\_B *// API level 9* -> **true** *// ~ 5 Mbps* TelephonyManager.NETWORK\_TYPE\_HSPAP *// API level 13* -> **true** *// ~ 10-20 Mbps* TelephonyManager.NETWORK\_TYPE\_IDEN *// API level 8* -> **false** *// ~25 kbps* TelephonyManager.NETWORK\_TYPE\_LTE *// API level 11* -> **true** *// ~ 10+ Mbps* TelephonyManager.NETWORK\_TYPE\_UNKNOWN -> **false  
 else** -> **false** }  
 **else** -> **false** }  
  
}

**Gif Size Filter:**

**package** com.ark.automobile.utils;  
  
**import** android.content.Context;  
**import** android.graphics.Point;  
  
**import** com.ark.automobile.R;  
**import** com.zhihu.matisse.MimeType;  
**import** com.zhihu.matisse.filter.Filter;  
**import** com.zhihu.matisse.internal.entity.IncapableCause;  
**import** com.zhihu.matisse.internal.entity.Item;  
**import** com.zhihu.matisse.internal.utils.PhotoMetadataUtils;  
  
**import** java.util.HashSet;  
**import** java.util.Set;  
  
**public class** GifSizeFilter **extends** Filter {  
  
 **private int mMinWidth**;  
 **private int mMinHeight**;  
 **private int mMaxSize**;  
  
 **public** GifSizeFilter(**int** minWidth, **int** minHeight, **int** maxSizeInBytes) {  
 **mMinWidth** = minWidth;  
 **mMinHeight** = minHeight;  
 **mMaxSize** = maxSizeInBytes;  
 }  
  
 @Override  
 **public** Set<MimeType> constraintTypes() {  
 **return new** HashSet<MimeType>() {{  
 add(MimeType.***GIF***);  
 }};  
 }  
  
 @Override  
 **public** IncapableCause filter(Context context, Item item) {  
 **if** (!needFiltering(context, item))  
 **return null**;  
  
 Point size = PhotoMetadataUtils.*getBitmapBound*(context.getContentResolver(), item.getContentUri());  
 **if** (size.**x** < **mMinWidth** || size.**y** < **mMinHeight** || item.**size** > **mMaxSize**) {  
 **return new** IncapableCause(IncapableCause.***DIALOG***, context.getString(R.string.***error\_gif***, **mMinWidth**,  
 String.*valueOf*(PhotoMetadataUtils.*getSizeInMB*(**mMaxSize**))));  
 }  
 **return null**;  
 }  
  
}

**Page Adapter:**

**package** com.ark.automobile.utils;  
  
**import** android.content.Context;  
**import** android.support.v4.app.Fragment;  
**import** android.support.v4.app.FragmentManager;  
**import** android.support.v4.app.FragmentPagerAdapter;  
  
**import** java.util.ArrayList;  
**import** java.util.Arrays;  
**import** java.util.List;  
  
*/\*\*  
 \* Created by Monroe on 7/13/2016.  
 \*/***public class** PagerAdapter **extends** FragmentPagerAdapter {  
  
 **private** List<Fragment> **fragments** = **new** ArrayList<>();  
 **private** List<String> **titles** = **new** ArrayList<>();  
 **private** Context **context**;  
  
 **public** PagerAdapter(FragmentManager fm, Context context) {  
 **super**(fm);  
 **this**.**context** = context;  
 }  
  
 **public void** addTitle(String title) {  
 **titles**.add(title);  
 }  
  
 **public void** addFragment(Fragment fragment) {  
 **fragments**.add(fragment);  
 }  
  
  
 **public void** addFrag(Fragment fragment, String title) {  
 **fragments**.add(fragment);  
 **titles**.add(title.toUpperCase());  
 }  
  
 **public void** addAllFrags(Fragment... frag) {  
 **fragments**.addAll(Arrays.*asList*(frag));  
 }  
  
 **public void** addAllTitles(String... title) {  
 **titles**.addAll(Arrays.*asList*(title));  
 }  
  
 **public void** removeFrag(**int** i) {  
 **fragments**.remove(i);  
 **titles**.remove(i);  
 notifyDataSetChanged();  
 }  
  
 @Override  
 **public void** notifyDataSetChanged() {  
 **super**.notifyDataSetChanged();  
 }  
  
 @Override  
 **public** CharSequence getPageTitle(**int** position) {  
 **return titles**.get(position);  
 }  
  
  
 @Override  
 **public** Fragment getItem(**int** position) {  
 **return fragments**.get(position);  
 }  
  
 @Override  
 **public int** getCount() {  
 **return fragments**.size();  
 }  
  
  
}

**Prefence Helper:**

**package** com.ark.automobile.utils  
  
**import** android.content.Context  
**import** android.content.SharedPreferences  
**import** android.preference.PreferenceManager  
  
**object** PreferenceHelper {  
  
 **fun** defaultPrefs(context: Context): SharedPreferences = PreferenceManager.getDefaultSharedPreferences(context)  
  
 **fun** customPrefs(context: Context, name: String): SharedPreferences = context.getSharedPreferences(name, Context.MODE\_PRIVATE)  
  
 **private inline fun** SharedPreferences.edit(operation: (SharedPreferences.Editor) -> Unit) {  
 **val** editor = **this**.edit()  
 operation(editor)  
 editor.apply()  
 }  
  
 **operator fun** SharedPreferences.set(key: String, value: Any?) {  
 **when** (value) {  
 **is** String? -> edit **{** it.putString(key, value) **}  
 is** Int -> edit **{** it.putInt(key, value) **}  
 is** Boolean -> edit **{** it.putBoolean(key, value) **}  
 is** Float -> edit **{** it.putFloat(key, value) **}  
 is** Long -> edit **{** it.putLong(key, value) **}  
 else** -> **throw** UnsupportedOperationException(**"Not yet implemented"**)  
 }  
 }  
  
 @Suppress(**"UNCHECKED\_CAST"**)  
 **operator fun** <T> SharedPreferences.get(key: String, defaultValue: T? = **null**): T {  
 **return when** (defaultValue) {  
 **is** String, **null** -> getString(key, defaultValue **as?** String) **as** T  
 **is** Int -> getInt(key, defaultValue **as?** Int ?: -1) **as** T  
 **is** Boolean -> getBoolean(key, defaultValue **as?** Boolean ?: **false**) **as** T  
 **is** Float -> getFloat(key, defaultValue **as?** Float ?: -1f) **as** T  
 **is** Long -> getLong(key, defaultValue **as?** Long ?: -1) **as** T  
 **else** -> **throw** UnsupportedOperationException(**"Not yet implemented"**)  
 }  
 }  
}

**Recycle Formatter:**

**package** com.ark.automobile.utils  
  
**import** android.content.Context  
**import** android.graphics.Canvas  
**import** android.graphics.Rect  
**import** android.graphics.drawable.Drawable  
**import** android.support.v4.content.ContextCompat  
**import** android.support.v7.widget.RecyclerView  
**import** android.view.View  
**import** com.ark.automobile.R  
  
**class** RecyclerFormatter {  
  
 **class** SimpleDividerItemDecoration(context: Context) : RecyclerView.ItemDecoration() {  
 **private val** mDivider: Drawable? = ContextCompat.getDrawable(context, R.drawable.simple\_recycler\_divider)  
  
 **override fun** onDrawOver(c: Canvas, parent: RecyclerView, state: RecyclerView.State?) {  
 **val** left = parent.paddingLeft  
 **val** right = parent.width - parent.paddingRight  
  
 **val** childCount = parent.childCount  
 **for** (i **in** 0 until childCount) {  
 **val** child = parent.getChildAt(i)  
  
 **val** params = child.layoutParams **as** RecyclerView.LayoutParams  
  
 **val** top = child.bottom + params.bottomMargin  
 **val** bottom = top + mDivider!!.intrinsicHeight  
  
 mDivider.setBounds(left, top, right, bottom)  
 mDivider.draw(c)  
 }  
 }  
 }  
  
 **class** DoubleDividerItemDecoration(context: Context) : RecyclerView.ItemDecoration() {  
 **private val** mDivider: Drawable? = ContextCompat.getDrawable(context, R.drawable.recycler\_divider)  
  
 **override fun** onDrawOver(c: Canvas, parent: RecyclerView, state: RecyclerView.State?) {  
 **val** left = parent.paddingLeft  
 **val** right = parent.width - parent.paddingRight  
  
 **val** childCount = parent.childCount  
 **for** (i **in** 0 until childCount) {  
 **val** child = parent.getChildAt(i)  
  
 **val** params = child.layoutParams **as** RecyclerView.LayoutParams  
  
 **val** top = child.bottom + params.bottomMargin  
 **val** bottom = top + mDivider!!.intrinsicHeight  
  
 mDivider.setBounds(left, top, right, bottom)  
 mDivider.draw(c)  
 }  
 }  
 }  
  
 **class** GridItemDecoration(**private val** context: Context, **private val** spanCount: Int, **private val** space: Int) : RecyclerView.ItemDecoration() {  
  
 **override fun** getItemOffsets(outRect: Rect, view: View, parent: RecyclerView, state: RecyclerView.State?) {  
 *//super.getItemOffsets(outRect, view, parent, state)* **val** pos = parent.getChildAdapterPosition(view)  
 **val** space = Math.round(space \* context.resources.displayMetrics.density)  
 **val** column = pos % spanCount  
  
 outRect.left = space - column \* space / spanCount  
 outRect.right = (column + 1) \* space / spanCount  
  
 **if** (pos < spanCount) {  
 outRect.top = space  
 }  
  
 outRect.bottom = space  
 }  
 }  
}

**View Extensions KT:**

**package** com.ark.automobile.utils  
  
**import** android.content.Context  
**import** android.databinding.DataBindingUtil  
**import** android.databinding.ViewDataBinding  
**import** android.graphics.Typeface  
**import** android.graphics.drawable.Drawable  
**import** android.support.annotation.LayoutRes  
**import** android.support.design.widget.Snackbar  
**import** android.support.v4.app.Fragment  
**import** android.support.v4.app.FragmentManager  
**import** android.support.v4.app.FragmentTransaction  
**import** android.support.v4.content.ContextCompat  
**import** android.support.v7.app.AppCompatActivity  
**import** android.util.AttributeSet  
**import** android.view.LayoutInflater  
**import** android.view.View  
**import** android.view.ViewGroup  
**import** android.widget.EditText  
**import** android.widget.ImageView  
**import** android.widget.RelativeLayout  
**import** android.widget.TextView  
**import** com.bumptech.glide.Glide  
**import** com.makeramen.roundedimageview.RoundedImageView  
**import** de.hdodenhof.circleimageview.CircleImageView  
**import** java.util.\*  
  
**inline fun** <**reified** T : ViewDataBinding> ViewGroup.inflate(@LayoutRes layoutRes: Int): T {  
 **return** DataBindingUtil.inflate(LayoutInflater.from(*context*), layoutRes, **this**, **false**)  
}  
  
**fun** ImageView.loadUrl(url: Int) {  
 Glide.with(*context*)  
 .load(url)  
 .thumbnail(0.05f)  
 .into(**this**)  
}  
  
**fun** ImageView.loadUrl(url: String) {  
 Glide.with(*context*)  
 .load(url)  
 .thumbnail(0.05f)  
 .into(**this**)  
}  
  
**fun** RoundedImageView.loadUrl(url: String) {  
 Glide.with(*context*)  
 .load(url)  
 .thumbnail(0.05f)  
 .into(**this**)  
}  
  
**fun** CircleImageView.loadUrl(url: Int) {  
 Glide.with(*context*)  
 .load(url)  
 .thumbnail(0.05f)  
 .into(**this**)  
}  
  
**fun** CircleImageView.loadUrl(url: String) {  
 Glide.with(*context*.*applicationContext*)  
 .load(url)  
 .thumbnail(0.05f)  
 .into(**this**)  
}  
  
**fun** TextView.setFont(font: String) {  
 **this**.*typeface* = Typeface.createFromAsset(*context*.*assets*, font)  
}  
  
**fun** TextView.setDrawable(icon: Drawable) {  
 **this**.setCompoundDrawablesWithIntrinsicBounds(icon, **null**, **null**, **null**)  
}  
  
**fun** View.showView() {  
 **this**.*visibility* = View.*VISIBLE*}  
  
**fun** View.hideView() {  
 **this**.*visibility* = View.*GONE*}  
  
**fun** EditText.setDrawable(icon: Drawable) {  
 **this**.setCompoundDrawablesWithIntrinsicBounds(icon, **null**, **null**, **null**)  
}  
  
**inline fun** View.snack(message: String, length: Int = Snackbar.*LENGTH\_LONG*, f: Snackbar.() -> Unit) {  
 **val** snack = Snackbar.make(**this**, message, length)  
 snack.f()  
 snack.show()  
}  
  
**fun** Snackbar.action(action: String, color: Int? = **null**, listener: (View) -> Unit) {  
 setAction(action, listener)  
 color?.*let* **{** setActionTextColor(ContextCompat.getColor(*context*, color)) **}**}  
  
**inline fun** FragmentManager.inTransaction(func: FragmentTransaction.() -> FragmentTransaction) {  
 beginTransaction().func().commit()  
}  
  
**fun** <E> List<E>.random(): E? = **if** (**size** > 0) get(Random().nextInt(**size**)) **else null  
  
fun** AppCompatActivity.addFragment(fragment: Fragment, frameId: Int) {  
 *supportFragmentManager*.*inTransaction* **{** add(frameId, fragment) **}**}  
  
**fun** AppCompatActivity.replaceFragment(fragment: Fragment, frameId: Int) {  
 *supportFragmentManager*.*inTransaction* **{** replace(frameId, fragment).addToBackStack(fragment.*tag*) **}**}  
  
**class** SemiSquareLayout : RelativeLayout {  
 **constructor**(context: Context) : **super**(context)  
  
 **constructor**(context: Context, attrs: AttributeSet) : **super**(context, attrs)  
  
 **constructor**(context: Context, attrs: AttributeSet, defStyleAttr: Int) : **super**(context, attrs, defStyleAttr) {}  
  
 **override fun** onMeasure(widthMeasureSpec: Int, heightMeasureSpec: Int) {  
 **super**.onMeasure(widthMeasureSpec, widthMeasureSpec - 80)  
 }  
  
}  
  
**class** SquareLayout : RelativeLayout {  
 **constructor**(context: Context) : **super**(context)  
  
 **constructor**(context: Context, attrs: AttributeSet) : **super**(context, attrs)  
  
 **constructor**(context: Context, attrs: AttributeSet, defStyleAttr: Int) : **super**(context, attrs, defStyleAttr) {}  
  
 **override fun** onMeasure(widthMeasureSpec: Int, heightMeasureSpec: Int) {  
 **super**.onMeasure(widthMeasureSpec, widthMeasureSpec)  
 }  
  
}

**My Glide Engine:**

**package** com.ark.automobile.utils;  
  
**import** android.content.Context;  
**import** android.graphics.drawable.Drawable;  
**import** android.net.Uri;  
**import** android.widget.ImageView;  
  
**import** com.bumptech.glide.Glide;  
**import** com.bumptech.glide.Priority;  
**import** com.bumptech.glide.request.RequestOptions;  
**import** com.zhihu.matisse.engine.ImageEngine;  
  
  
**public class** MyGlideEngine **implements** ImageEngine {  
  
 @Override  
 **public void** loadGifThumbnail(Context context, **int** resize, Drawable placeholder, ImageView imageView, Uri uri) {  
 RequestOptions requestOptions = **new** RequestOptions()  
 .override(resize, resize)  
 .centerCrop()  
 .placeholder(placeholder);  
 Glide.*with*(context)  
 .asBitmap()  
 .load(uri)  
 .apply(requestOptions)  
 .into(imageView);  
 }  
  
 @Override  
 **public void** loadGifImage(Context context, **int** resizeX, **int** resizeY, ImageView imageView, Uri uri) {  
  
 }  
  
 @Override  
 **public void** loadThumbnail(Context context, **int** resize, Drawable placeholder, ImageView imageView, Uri uri) {  
 RequestOptions requestOptions = **new** RequestOptions()  
 .override(resize, resize)  
 .centerCrop()  
 .placeholder(placeholder);  
 Glide.*with*(context)  
 .asBitmap()  
 .load(uri)  
 .apply(requestOptions)  
 .into(imageView);  
 }  
  
  
 @Override  
 **public void** loadImage(Context context, **int** resizeX, **int** resizeY, ImageView imageView, Uri uri) {  
 RequestOptions requestOptions = **new** RequestOptions()  
 .override(resizeX, resizeY)  
 .priority(Priority.***HIGH***)  
 .centerCrop();  
 Glide.*with*(context)  
 .load(uri)  
 .apply(requestOptions)  
 .into(imageView);  
 }  
  
*// @Override  
// public void loadAnimatedGifImage(Context context, int resizeX, int resizeY, ImageView imageView, Uri uri) {  
// RequestOptions requestOptions = new RequestOptions()  
// .override(resizeX, resizeY)  
// .priority(Priority.HIGH)  
// .centerCrop();  
// Glide.with(context)  
// .asGif()  
// .load(uri)  
// .apply(requestOptions)  
// .into(imageView);  
// }* @Override  
 **public boolean** supportAnimatedGif() {  
 **return true**;  
 }  
  
}

**Gradles:**

**Buld.Gradles:**

*// Top-level build file where you can add configuration options common to all sub-projects/modules.*buildscript {  
 ext.kotlin\_version = **'1.3.72'** ext.anko\_version = **'0.10.4'** ext.support\_version = **"27.1.1"** ext.android\_plugin\_version = **'2.2.0-alpha4'** repositories {  
 google()  
 jcenter()  
  
 }  
 dependencies {  
 classpath **'com.android.tools.build:gradle:4.0.0'** classpath **"org.jetbrains.kotlin:kotlin-gradle-plugin:**$kotlin\_version**"** *// NOTE: Do not place your application dependencies here; they belong  
 // in the individual module build.gradle files* classpath **'com.google.gms:google-services:4.3.3'** }  
}  
  
allprojects {  
 repositories {  
 google()  
 jcenter()  
  
 mavenCentral()  
 maven { url **"https://jitpack.io"** }  
 }  
}  
  
task clean(type: Delete) {  
 delete rootProject.buildDir  
}

**Project:**

<?xml version="1.0" encoding="UTF-8"?>  
<projectDescription>  
 <name>Automart</name>  
 <comment>Project Automart created by Buildship.</comment>  
 <projects>  
 </projects>  
 <buildSpec>  
 <buildCommand>  
 <name>org.eclipse.buildship.core.gradleprojectbuilder</name>  
 <arguments>  
 </arguments>  
 </buildCommand>  
 </buildSpec>  
 <natures>  
 <nature>org.eclipse.buildship.core.gradleprojectnature</nature>  
 </natures>  
</projectDescription>

**App:**

*<?***xml version="1.0" encoding="UTF-8"***?>*<**module external.linked.project.id="Automart-master" external.linked.project.path="$MODULE\_DIR$" external.root.project.path="$MODULE\_DIR$" external.system.id="GRADLE" external.system.module.group="" external.system.module.version="unspecified" type="JAVA\_MODULE" version="4"**>  
 <**component name="FacetManager"**>  
 <**facet type="java-gradle" name="Java-Gradle"**>  
 <**configuration**>  
 <**option name="BUILD\_FOLDER\_PATH" value="$MODULE\_DIR$/build"** />  
 <**option name="BUILDABLE" value="false"** />  
 </**configuration**>  
 </**facet**>  
 </**component**>  
 <**component name="NewModuleRootManager" LANGUAGE\_LEVEL="JDK\_1\_7" inherit-compiler-output="true"**>  
 <**exclude-output** />  
 <**content url="file://$MODULE\_DIR$"**>  
 <**excludeFolder url="file://$MODULE\_DIR$/.gradle"** />  
 </**content**>  
 <**orderEntry type="inheritedJdk"** />  
 <**orderEntry type="sourceFolder" forTests="false"** />  
 </**component**>  
</**module**>

**Google Service file**

{  
 **"project\_info"**: {  
 **"project\_number"**: **"971864509460"**,  
 **"firebase\_url"**: **"https://valid-earth-279421.firebaseio.com"**,  
 **"project\_id"**: **"valid-earth-279421"**,  
 **"storage\_bucket"**: **"valid-earth-279421.appspot.com"** },  
 **"client"**: [  
 {  
 **"client\_info"**: {  
 **"mobilesdk\_app\_id"**: **"1:971864509460:android:365ad5febbb35c0cf42b01"**,  
 **"android\_client\_info"**: {  
 **"package\_name"**: **"com.ark.automart"** }  
 },  
 **"oauth\_client"**: [  
 {  
 **"client\_id"**: **"971864509460-0npsdbug7ubflnutagal8mjqis8hr8ti.apps.googleusercontent.com"**,  
 **"client\_type"**: 3  
 }  
 ],  
 **"api\_key"**: [  
 {  
 **"current\_key"**: **"AIzaSyATJPEo0Vc5X0PCzpYGSJJo7ayJ9j\_kg\_M"** }  
 ],  
 **"services"**: {  
 **"appinvite\_service"**: {  
 **"other\_platform\_oauth\_client"**: [  
 {  
 **"client\_id"**: **"971864509460-0npsdbug7ubflnutagal8mjqis8hr8ti.apps.googleusercontent.com"**,  
 **"client\_type"**: 3  
 }  
 ]  
 }  
 }  
 },  
 {  
 **"client\_info"**: {  
 **"mobilesdk\_app\_id"**: **"1:971864509460:android:a2f89a156cba1a61f42b01"**,  
 **"android\_client\_info"**: {  
 **"package\_name"**: **"com.example.dms"** }  
 },  
 **"oauth\_client"**: [  
 {  
 **"client\_id"**: **"971864509460-0npsdbug7ubflnutagal8mjqis8hr8ti.apps.googleusercontent.com"**,  
 **"client\_type"**: 3  
 }  
 ],  
 **"api\_key"**: [  
 {  
 **"current\_key"**: **"AIzaSyATJPEo0Vc5X0PCzpYGSJJo7ayJ9j\_kg\_M"** }  
 ],  
 **"services"**: {  
 **"appinvite\_service"**: {  
 **"other\_platform\_oauth\_client"**: [  
 {  
 **"client\_id"**: **"971864509460-0npsdbug7ubflnutagal8mjqis8hr8ti.apps.googleusercontent.com"**,  
 **"client\_type"**: 3  
 }  
 ]  
 }  
 }  
 }  
 ],  
 **"configuration\_version"**: **"1"**}