**React Native init Template (Android)**

This template offers an application with intergrade

locales, redux, persist, uuid generator, RTL, splash screen, icons, dev tools & helpers

* npx react-native init <App name here>
* git init
* git add .
* git commit -m “<commit message here>”
* add scripts

,

"android:clean": "cd android && gradlew clean",

"android:release": "react-native run-android --variant=release",

"reverse": "adb reverse tcp:8081",

"bundle-size": "yarn run react-native-bundle-visualizer"

* Enable hermes on android: **android/app/build.gradle**

project**.**ext**.**react **=** [

    enableHermes: **true**,  // clean and rebuild if changing

]

* Add src folder to the root project folder of your application
* Replace index.js from root folder with the one in the Files
* Add react-navigation 5 (<https://reactnavigation.org/>)

npm install @react-navigation/native

npm install react-native-reanimated react-native-gesture-handler react-native-screens react-native-safe-area-context @react-native-community/masked-view

npm install @react-navigation/stack

npm install @react-navigation/bottom-tabs

npm install @react-navigation/devtools

* add async-storage

npm i @react-native-async-storage/async-storage

Docs here: [**https://react-native-async-storage.github.io/async-storage/docs/install/**](https://react-native-async-storage.github.io/async-storage/docs/install/)

* add state management-persist

npm i redux react-redux redux-persist redux-devtools-extension

* add why-did-you-render

npm i @welldone-software/why-did-you-render

* add locales

npm install i18n-js lodash.memoize react-native-localize

* add vector icons

npm i react-native-vector-icons

Go to **android/app/src/build.gradle** and on the bottom of the file add this

// Configure react-native-vector-icons

project**.**ext**.**vectoricons **=** [

        iconFontNames: [ 'MaterialIcons.ttf', 'Ionicons.ttf', 'FontAwesome.ttf']  // Name of the font files you want to copy

]

apply from: "../../node\_modules/react-native-vector-icons/fonts.gradle"

* add RTL support

Go to **android/app/src/main/AndroidManifest.xml** and add this in application attributes, after android:allowBackup="false"

android:supportsRtl="true"

In MainActivity.java add those imports

**import** **com.facebook.react.modules.i18nmanager.I18nUtil**;

**import** **android.os.Bundle**;

And in the class add this before getMainComponentName

  @**Override**

**protected** **void** onCreate(**Bundle** savedInstanceState) {

**I18nUtil** sharedI18nUtilInstance **=** I18nUtil.getInstance();

    sharedI18nUtilInstance.allowRTL(**this**, **true**);

**super**.onCreate(savedInstanceState);

  }

* add splash-screen

npm i react-native-splash-screen

In MainActivity.java add

**import** **org.devio.rn.splashscreen.SplashScreen**;

&

SplashScreen.show(**this**, R.style.SplashScreenTheme);

before

**super**.onCreate(savedInstanceState);

that we create in the previews step

Create layout folder inside res folder and name it **launch\_screen.xml** and copy paste this in **launch\_screen.xml**

<?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"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    android:background="@color/status\_bar\_color"

    android:orientation="vertical">

    <ImageView

        android:layout\_width="230dp"

        android:layout\_height="252dp"

        android:layout\_above="@+id/textView"

        android:layout\_alignParentStart="true"

        android:layout\_alignParentLeft="true"

        android:layout\_alignParentTop="true"

        android:layout\_alignParentEnd="true"

        android:layout\_alignParentRight="true"

        android:layout\_marginStart="60dp"

        android:layout\_marginTop="101dp"

        android:layout\_marginEnd="60dp"

        android:layout\_marginBottom="12dp"

        android:contentDescription="@string/splash\_screen\_image"

        android:scaleType="centerCrop"

        android:src="@drawable/splash\_screen\_image" />

    <TextView

        android:id="@+id/textView"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_alignParentStart="true"

        android:layout\_alignParentLeft="true"

        android:layout\_alignParentEnd="true"

        android:layout\_alignParentRight="true"

        android:layout\_alignParentBottom="true"

        android:layout\_marginStart="27dp"

        android:layout\_marginLeft="27dp"

        android:layout\_marginEnd="42dp"

        android:layout\_marginRight="42dp"

        android:layout\_marginBottom="128dp"

        android:gravity="center\_horizontal"

        android:text="@string/text\_view"

        android:textColor="@android:color/white"

        android:textSize="35sp"

        android:textStyle="bold" />

</RelativeLayout>

On values add **colors.xml** and paste this

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

<resources>

  <color name="status\_bar\_color">#EC407A</color>

</resources>

& replace the color with what you like

On strings add this below app\_name

 <string name="splash\_screen\_image">splash\_screen\_image</string>

 <string name="text\_view"><add\_the\_text\_that\_will\_show\_below\_the\_image></string>

On **styles.xml** add this below the existent style

    <style name="SplashScreenTheme" parent="SplashScreen\_SplashTheme">

        <item name="colorPrimaryDark">@color/status\_bar\_color</item>

    </style>

Finally go to [**https://github.com/Vincent-Loi/android-drawable-importer-intellij-plugin**](https://github.com/Vincent-Loi/android-drawable-importer-intellij-plugin) and download the zip file

Open android studio go to **file -> settings -> plugins** and install the .zip from pc

Right click res **folder -> new -> dawn go to Batch drawable import -> click + find the image and import**

Go to **layout -> launch\_screen.xml** and edit the launch\_screen in your needs

* add react-native-restart

npm install --save react-native-restart

* add uuid generator

npm i uuid react-native-get-random-values

* create icon launcher

Go to [**https://romannurik.github.io/AndroidAssetStudio**](https://romannurik.github.io/AndroidAssetStudio)

Select launce icon generator, drag and drop the icon from assets folder in project to square and download the file. Unzip and copy paste the mipmap folders to the projects **android/app/src/main/res**

you can create round icons too and name them **ic\_launcher\_round** so when you replace the existents you don’t have to rename anything

* add react-native-bundle-visualizer

yarn add --dev react-native-bundle-visualizer

Then run **npm run bundle-size**