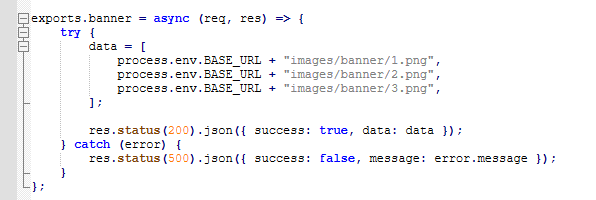
Image Carousel

I have created an API on the server to display a list of image URLs that will be used as banners.

you can see the source code here: **/home/cayden/nodejs/production/controllers/newsController.js**

  
  
you can access this API with this link:  
<https://tempdev2.roomie.id/newsadmin/banner>

To displaying list of images in our mobile app, follow these steps below.

we will use axios to accessing HTTP URL. Install axios with this command:  
**npm install axios**

Install react-native-reanimated-carousel to display images as carousel banner with this command:  
**npx expo install react-native-reanimated-carousel**

Edit **app\(tabs)\index.tsx** with this code:  
import React, { useState, useEffect } from "react";

import { View, StyleSheet, ScrollView, Dimensions } from "react-native";

import { Image } from "expo-image";

import { ThemedView } from "@/components/ThemedView";

import { SafeAreaView } from "react-native-safe-area-context";

import axios from "axios";

import Carousel, {

    ICarouselInstance,

    Pagination,

} from "react-native-reanimated-carousel";

import { useSharedValue } from "react-native-reanimated";

import { useColorScheme } from "@/hooks/useColorScheme";

import { Colors } from "@/constants/Colors";

//get display width

const width = Dimensions.get("window").width;

export default function HomeScreen() {

    //define empty array variable for images

    const [banners, setBanners] = useState([]);

    //set themes color according to device themes

    const colorScheme = useColorScheme();

    const themeCarousel =

        colorScheme === "light" ? styles.carouselLight : styles.carouselDark;

    //call loadData function only once when the home page appears

    useEffect(() => {

        loadData();

    }, []);

    //get data from server

    const loadData = async () => {

        axios

            .get(`https://tempdev2.roomie.id/newsadmin/banner`, {})

            .then(function (response) {

                if (response.data.success == true) {

                    //set banner variable with data from API

                    setBanners(response.data.data);

                }

            });

    };

    const ref = React.useRef<ICarouselInstance>(null);

    const progress = useSharedValue<number>(0);

    const onPressPagination = (index: number) => {

        ref.current?.scrollTo({

            count: index - progress.value,

            animated: true,

        });

    };

    //content of the image banner to be rendered

    const renderItem = ({ item }: { item: string }) => {

        return (

            <View

                style={{

                    flex: 1,

                    justifyContent: "center",

                }}

            >

                <Image

                    style={styles.imageBanner}

                    source={item}

                    contentFit="contain"

                />

            </View>

        );

    };

    return (

        <SafeAreaView style={styles.saveContainer}>

            <ScrollView>

                <ThemedView style={styles.imageLogoContainer}>

                    <Image

                        style={styles.imageLogo}

                        source={require("@/assets/images/logo.svg")}

                        contentFit="contain"

                    />

                </ThemedView>

                <View style={[themeCarousel]}>

                    <Carousel

                        ref={ref}

                        width={width}

                        height={width / 2 - 22}

                        data={banners}

                        onProgressChange={progress}

                        renderItem={renderItem}

                        loop={true}

                        autoPlay

                        autoPlayInterval={5000}

                        mode="parallax"

                    />

                    <Pagination.Basic

                        progress={progress}

                        data={banners}

                        dotStyle={{

                            backgroundColor: "rgba(0,0,0,0.2)",

                            borderRadius: 50,

                        }}

                        containerStyle={{ gap: 10, marginTop: 0 }}

                        onPress={onPressPagination}

                    />

                </View>

            </ScrollView>

        </SafeAreaView>

    );

}

const styles = StyleSheet.create({

    saveContainer: {

        flex: 1,

    },

    imageLogoContainer: {

        flex: 1,

        flexDirection: "column",

        alignItems: "center",

        height: 80,

        paddingTop: 10,

        marginBottom: 0,

    },

    imageLogo: {

        width: 80,

        height: 80 \* (144 / 165),

    },

    carouselLight: {

        backgroundColor: Colors.light.background,

    },

    carouselDark: { backgroundColor: Colors.dark.background },

    imageBanner: {

        width: "100%",

        height: "100%",

    },

});

Run project with this command:  
**npx expo start**

Result:  
