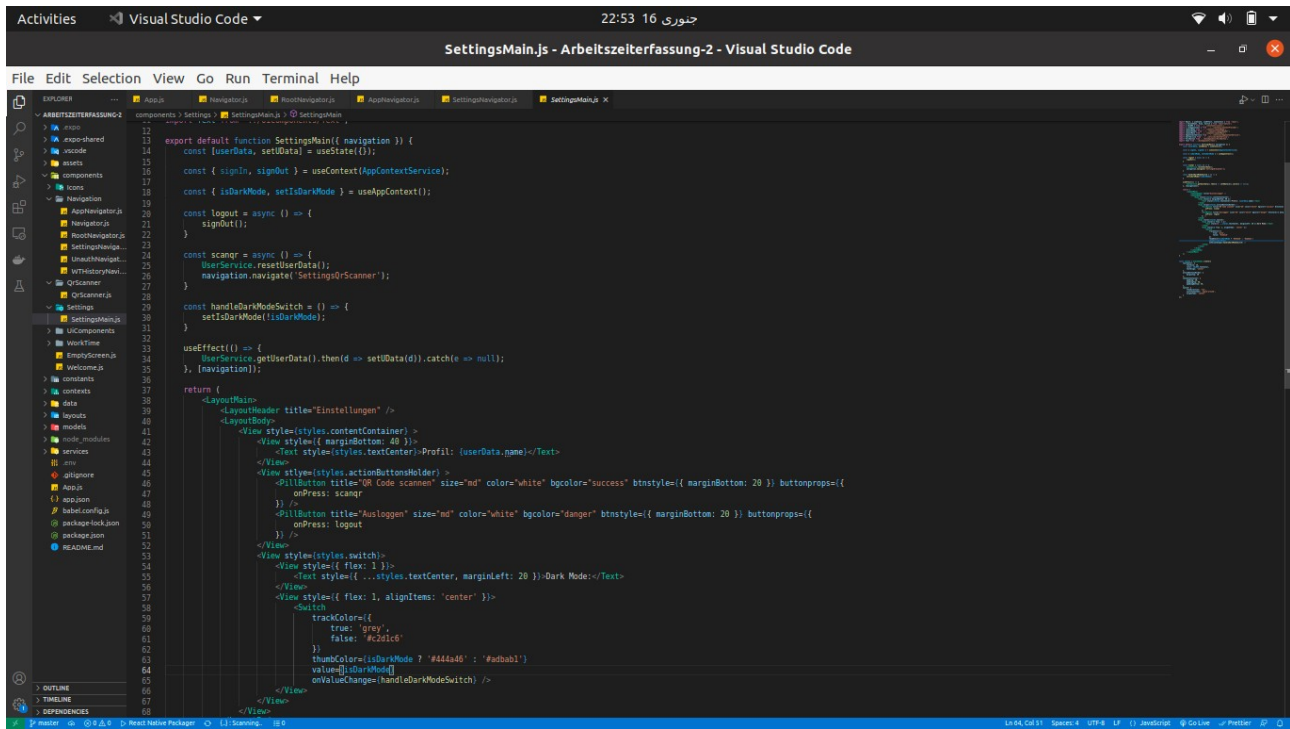


Documentation

About Dark Theme

First of All I created switch UI Component and text in Component/settings/SettingsMain.js File



```
export default function SettingsMain({ navigation }) {
  const [userData, setUserData] = useState({});
  const { signIn, signOut } = useContext(AppContextService);
  const { isDarkMode, setIsDarkMode } = useAppContext();

  const logout = async () => {
    signOut();
  }

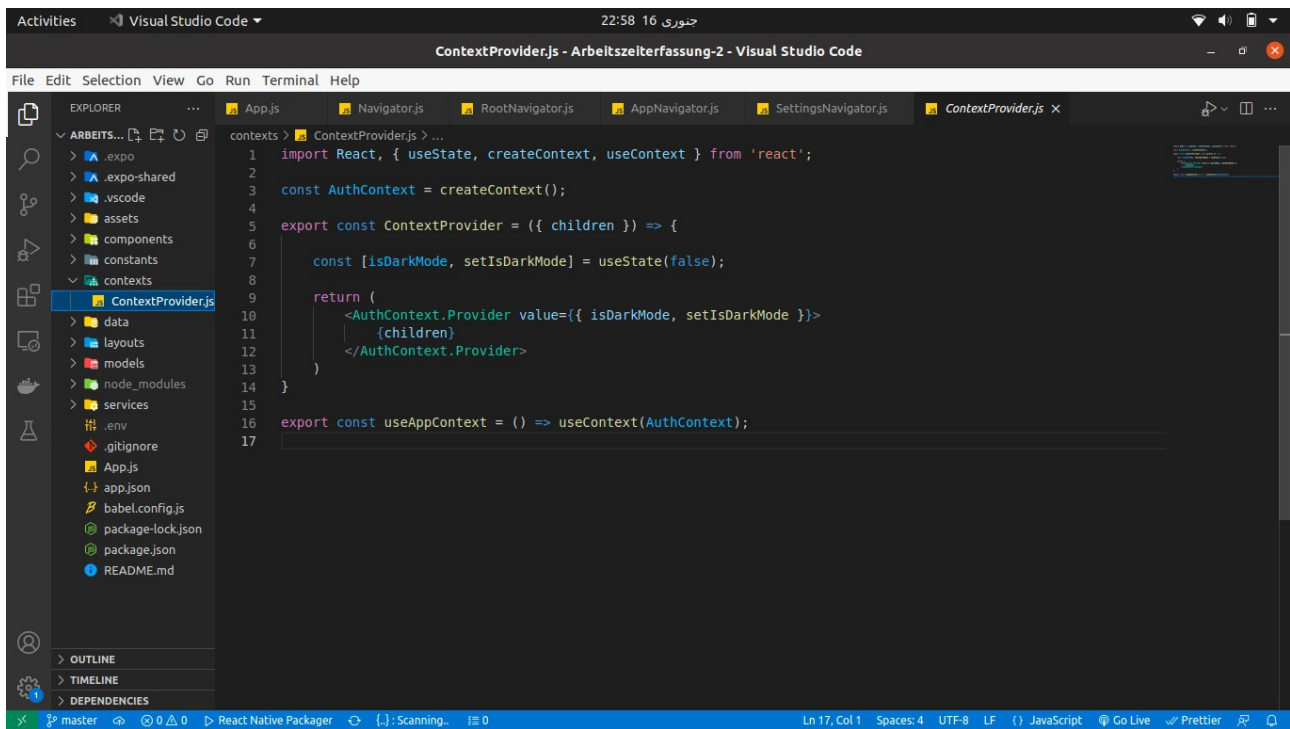
  const scanner = async () => {
    UserService.resetUserData();
    navigation.navigate('SettingOrScanner');
  }

  const handleDarkModeSwitch = () => {
    setIsDarkMode(!isDarkMode);
  }

  useEffect(() => {
    UserService.getUserData().then(d => setUserData(d)).catch(e => null);
  }, [navigation]);

  return (
    <LayoutMain>
      <LayoutHeader title="Einstellungen" />
      <LayoutBody>
        <View style={styles.contentContainer}>
          <View style={{ marginBottom: 40 }}>
            <Text style={styles.textCenter}>Profil: {userData.name}</Text>
          </View>
          <View style={styles.actionButtonsHolder}>
            <IconButton title="QR Code scannen" size="md" color="white" bgColor="success" bntstyle={{ marginBottom: 20 }} buttonProps={{
              onPress: scanner
            }} />
            <IconButton title="Ausloggen" size="md" color="white" bgColor="danger" bntstyle={{ marginBottom: 20 }} buttonProps={{
              onPress: logout
            }} />
          </View>
          <View style={styles.switch}>
            <View style={{ flex: 1 }}>
              <Text style={{ ...styles.textCenter, marginLeft: 20 }}>Dark Mode:</Text>
            </View>
            <View style={{ flex: 1, alignItems: 'center' }}>
              <Switch
                trackColor={{
                  true: 'grey',
                  false: 'red',
                }}
                thumbColor={isDarkMode ? '#444444' : '#d3d3d3'}
                value={isDarkMode}
                onChange={handleDarkModeSwitch} />
            </View>
          </View>
        </View>
      </LayoutBody>
    </LayoutMain>
  );
}
```

Then I created whole App's state (Context Api React Native hook) which exists in contexts/ContextProvider.js and define darkTheme state there. The benefit of doing this is to know when we toggle the switch of dark mode and update context state which leads to re render of all the components through then we can interpolate color on this change



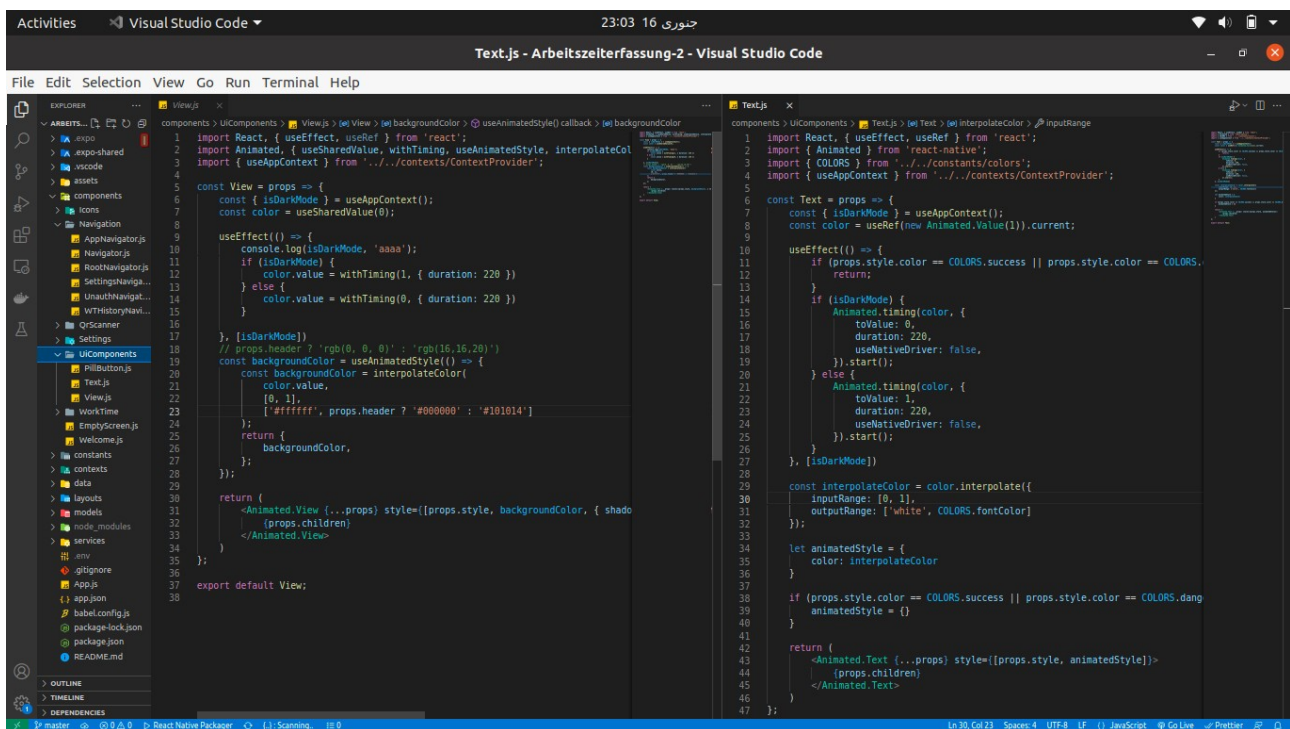
```
1 import React, { useState, createContext, useContext } from 'react';
2
3 const AuthContext = createContext();
4
5 export const ContextProvider = ({ children }) => {
6
7     const [isDarkMode, setIsDarkMode] = useState(false);
8
9     return (
10         <AuthContext.Provider value={{ isDarkMode, setIsDarkMode }}>
11             {children}
12         </AuthContext.Provider>
13     )
14 }
15
16 export const useAppContext = () => useContext(AuthContext);
17
```

Then I am interpolating colors using react-native-reanimated 2 and also by vanilla animated Api.

I then created 2 files with View.js and Text.js

components/UIComponents/View.js

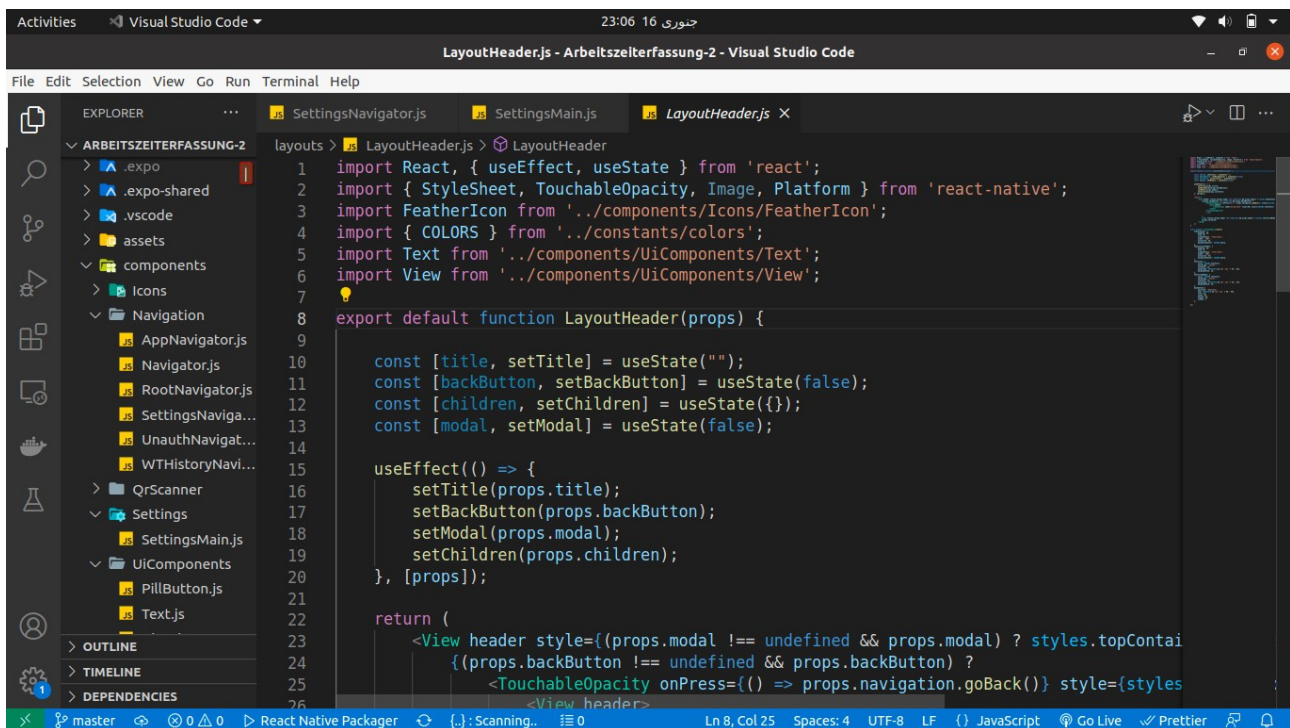
components/UIComponents/Text.js



```
View.js
1 import React, { useState, useContext } from 'react';
2 import { useAppContext } from '../contexts/ContextProvider';
3
4 const View = props => {
5     const { isDarkMode } = useAppContext();
6     const color = useSharedValue(0);
7
8     useEffect(() => {
9         console.log(isDarkMode, 'aaaa');
10         if (isDarkMode) {
11             color.value = withTiming(1, { duration: 220 })
12         } else {
13             color.value = withTiming(0, { duration: 220 })
14         }
15     }, [isDarkMode])
16
17     // props.header ? 'rgb(0, 0, 0)' : 'rgb(16,16,20)'
18     const backgroundColor = useAnimatedStyle(() => {
19         const backgroundColor = interpolateColor(
20             color.value,
21             [0, 1],
22             ['#ffffff', props.header ? '#000000' : '#101014']
23         );
24         return {
25             backgroundColor,
26         };
27     });
28
29     return (
30         <Animated.View {...props} style={[props.style, backgroundColor, { shadowOffset: { width: 0, height: 0 } }}>
31             {props.children}
32         </Animated.View>
33     );
34 }
35
36 export default View;
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```

And I am just by accessing context (App State) interpolating the values.

And after creating 2 files I am changing the layout files in order to use newly created VIEW and TEXT Components instead from React Native.



```
1 import React, { useEffect, useState } from 'react';
2 import { StyleSheet, TouchableOpacity, Image, Platform } from 'react-native';
3 import FeatherIcon from '../components/Icons/FeatherIcon';
4 import { COLORS } from '../constants/colors';
5 import Text from '../components/UiComponents/Text';
6 import View from '../components/UiComponents/View';
7
8 export default function LayoutHeader(props) {
9
10   const [title, setTitle] = useState("");
11   const [backButton, setBackButton] = useState(false);
12   const [children, setChildren] = useState({});
13   const [modal, setModal] = useState(false);
14
15   useEffect(() => {
16     setTitle(props.title);
17     setBackButton(props.backButton);
18     setModal(props.modal);
19     setChildren(props.children);
20   }, [props]);
21
22   return (
23     <View header style={{(props.modal !== undefined && props.modal) ? styles.topContai
24       {(props.backButton !== undefined && props.backButton) ?
25       <TouchableOpacity onPress={() => props.navigation.goBack()} style={styles
26
```

That's how I changed main Layout Files (1 example is above).

And that's how we are interpolating and applied dark theme.