| Inte | erface of Sign- | Up Page II | Input Validation of Sign-Up Page | | | |
|---|--|--------------|--|--|------------------------------|---|
| | Sign Up | | | 21РМ In Up | Network Provider | з:21РМ Sign Up |
| ! Please | e fill in your information. | | Welcome! Please fill in y | | Welcome! Pleas | e fill in your information. |
| | | | Email | | kikicheung@ | ⊉gmakilcom |
| | | | Email is required | | Email is invali | id |
| | | | password | | | |
| swor | cl | | Password is required | | Password rec Lowercase, N | quirement: includes Uppercase, lumber and 8 or more characters |
| | Sign Up | | Confirm password | | ••••• | |
| | | | Confirm password is | required | Password do | es not match |
| | | | Sig | jn Up | | Sign Up |
| | | | | 3:24 PM | | |
| 1199998 | 3:26 PM Sign Up te fill in your information. 38@gmail.com | - | Login Welcome! Please fil kiki11999988@4 | Sign Up | | |
| 8 | Sign Up te fill in your information. 38@gmail.com | | Welcome! Please fil kiki11999988@ | Sign Up I in your information gmail.com | | |
| 8@ | Sign Up I in your information. gmail.com | | Welcome! Please fil kiki11999988@ ••••••• Email The provided | Sign Up I in your information gmail.com already in use email address is alrea vith an existing accoun | dy | |
| Please 99998 ••••• S verifica | Sign Up te fill in your information. 38@gmail.com | | Welcome! Please fil kiki11999988@ ••••••• Email The provided | Sign Up I in your information gmail.com already in use email address is alrea | dy | |

Code Location (path):

src/app/auth/register/index.tsx

Description:

The Sign Up Page consists of a sign up form to collect user email and password to set up a user account for firebase authentication.

Dependencies

- Stack, router: Components from Expo-router to manage navigation between screens.

- useState: A React hook used to manage state within functional components.

- View: A component from the react-native library used to create a container for other components.

- Text: A component from the react-native library used to display text.

- TextInput: A component from the react-native library used to receive user input.

- StyleSheet: A component from the react-native library sets a function to use to preprocess a style property value.

- TouchableOpacity: A component from the react-native library used to create a pressable area with visual feedback.

- Alert: A component from the react-native library to launch an alert dialog with the specified title and message.

- ActivityIndicator: A component from the react-native library to display a circular loading indicator.

- getAuth: A component from the firebase/auth to help retrieve the authentication state, and protect API routes or gather relevant data.

- createUserWithEmailAndPassword: A component from the firebase/auth to create a new user account with a password.

- sendEmailVerification: A firebase/auth component to send an address verification email to a user.

State:

- loading: a boolean state that indicates whether the sign-up process is currently loading or not.

Variables:

- EMAIL_REGEX: a regular expression pattern used to validate email addresses.

- FormData: a type that represents the structure of the form data.

Functions:

- SignUpScreen: a function component that renders the sign-up screen.

- onSignUpPressed: an async function that handles the sign-up process and sends a verification email to the user.

Side Effects:

- sendEmailVerification: sends a verification email to the user after successful signup.

- Alert.alert: displays an alert message if there is an error or a success message after a successful sign-up.

Components:

- Stack, Text, View, TextInput, TouchableOpacity, ActivityIndicator: components from the 'react-native' module used to build the sign-up screen.

- Controller: a component from the 'react-hook-form' module used to control form input fields.

Rendered Components:

- Stack.Screen: a component that renders the screen title and navigation header.

- Text: a component that renders the welcome message.

- TextInput: components that render the email, password, and confirm password input fields.

- TouchableOpacity: a component that renders the sign-up button.