



OTPGen: Two-Step Authentication Password Generator

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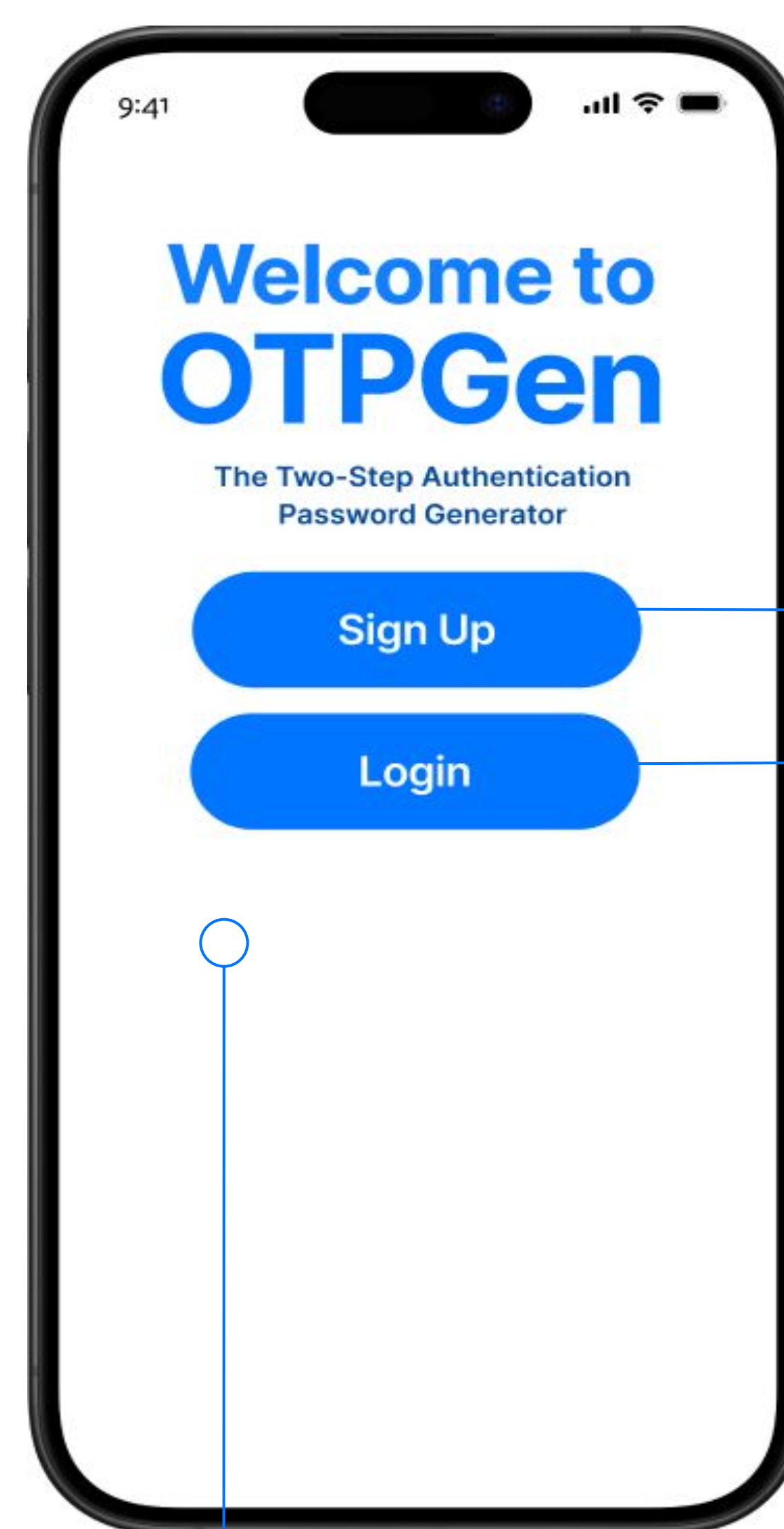
Instructor/Faculty: Professor Seyedmasoud Sadjadi, Florida International University

Introduction

- For development of the app to commence, a prototype must be created to get an idea of what functionalities would be implemented and how the User Interface (UI) would look like.
- My contribution to the project was designing the prototype and updating it to match any changes to the app that were agreed upon for reference.

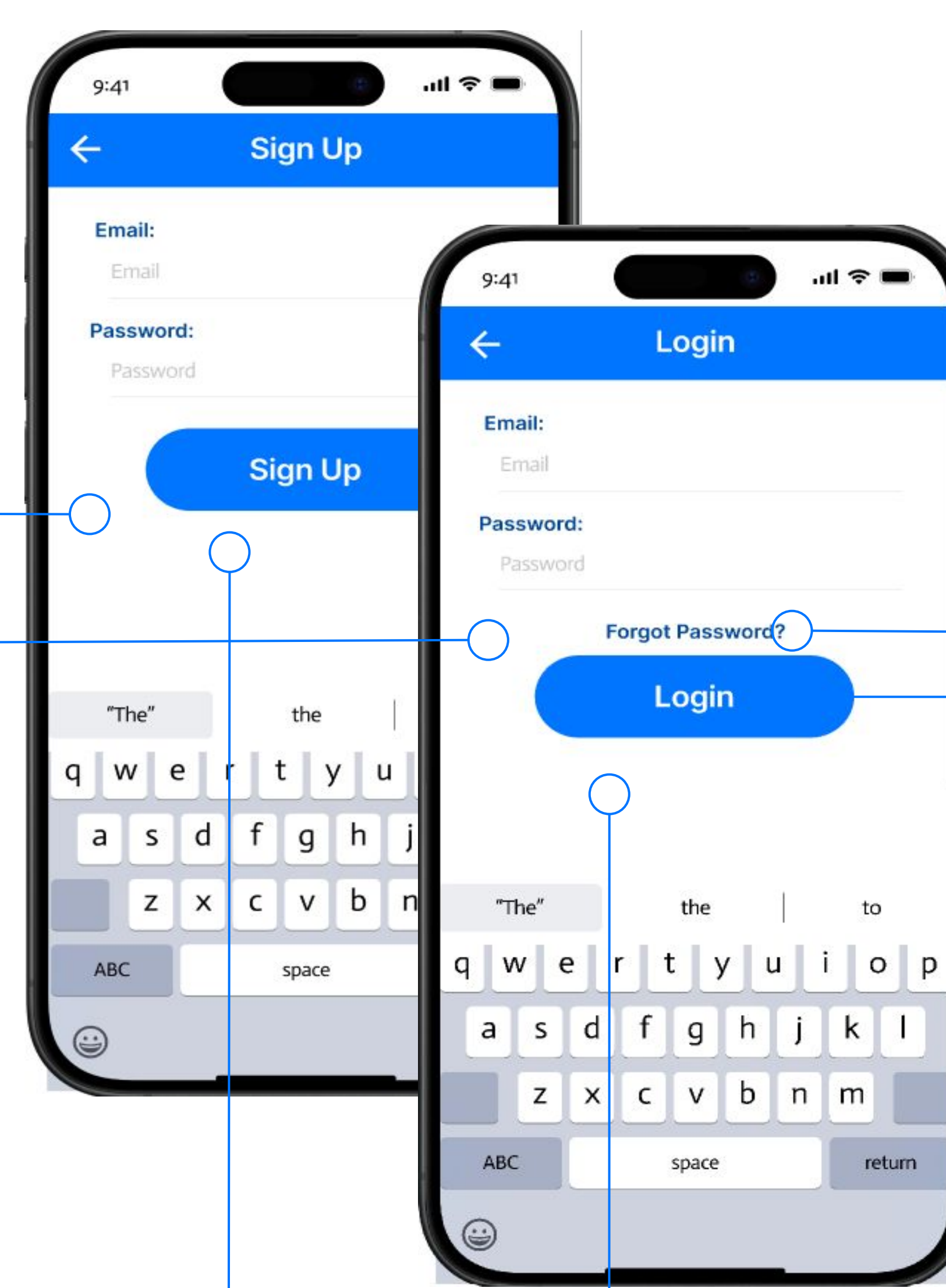
Accounts

- Accounts are saved in a list with each of them under the name that the user entered, along with a randomly generated 6 digit password.
- After 30 seconds, every password in the list will reset and another password will be generated.
- Users can search for specific accounts using their name.
- Users can delete an account by typing it's secret key.



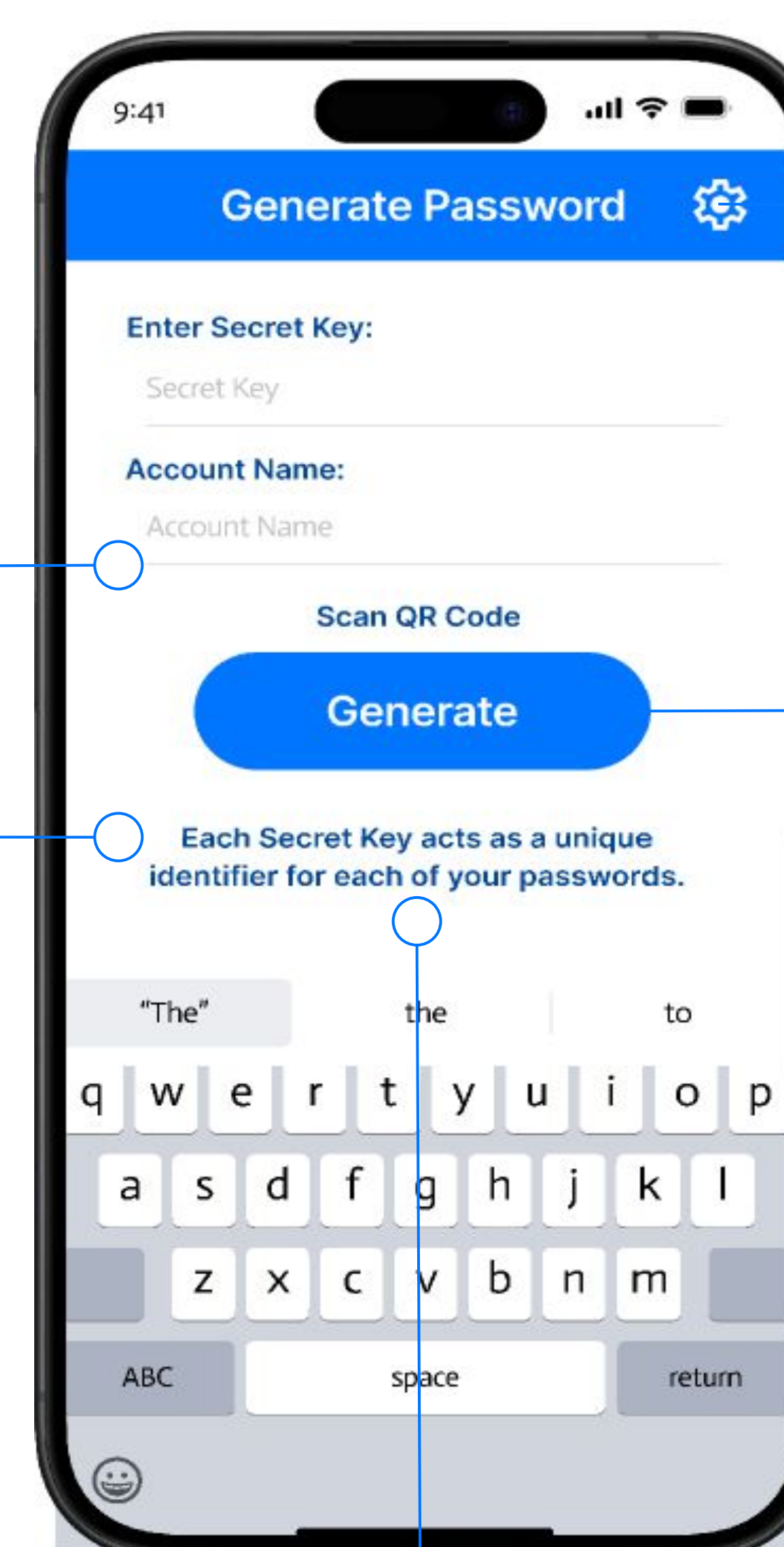
Home Screen

- Minimalist, straight-to the point design. Important information and buttons have a saturated blue color, contrasting the white background grabs the user's attention.
- Brief description of app along with signup and login buttons.



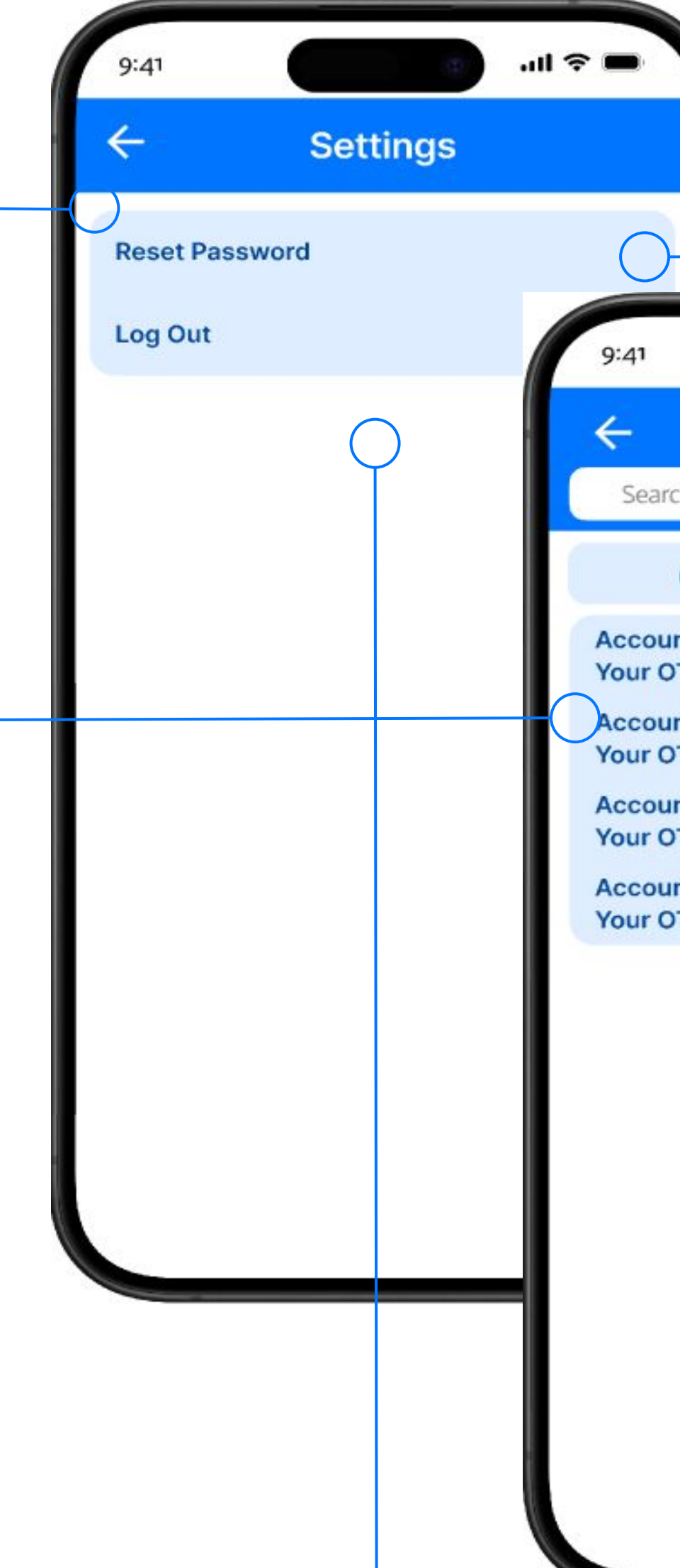
Signup/Login

- User enters their email connected to their other accounts and secures this account with a password.
- Login feature has a "Reset Password" feature that allows user to reset to change their password.



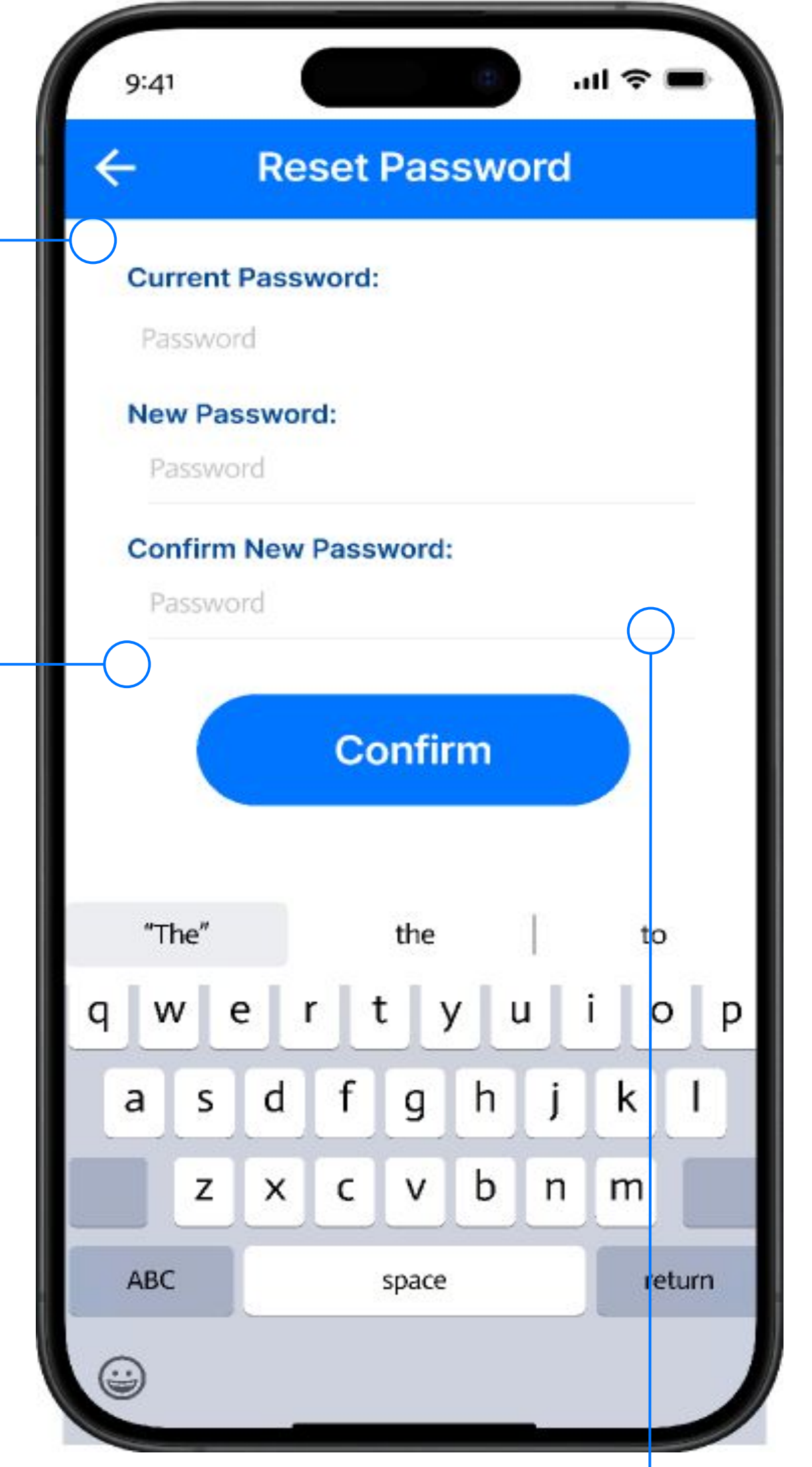
OTP Generator

- User enters a secret key that only they know associated to their password, as well as the nae associated with the account.
- Another feature was implemented where if the user has a QR Code for their account, they are able to scan it and automatically create add the account to the app.



Settings

- Users are given the option to either reset their password or logout of their account.
- Room is left for more settings to possibly be added in the middle of the development phase.



Password Reset

- The user enters their password to confirm that hey are the one resetting it.
- Two extra text boxes are added so that the user has to confirm the password they just entered.

ACKNOWLEDGEMENT

The website utilized to make the prototype for the two-step authentication password generator was figma.com.