

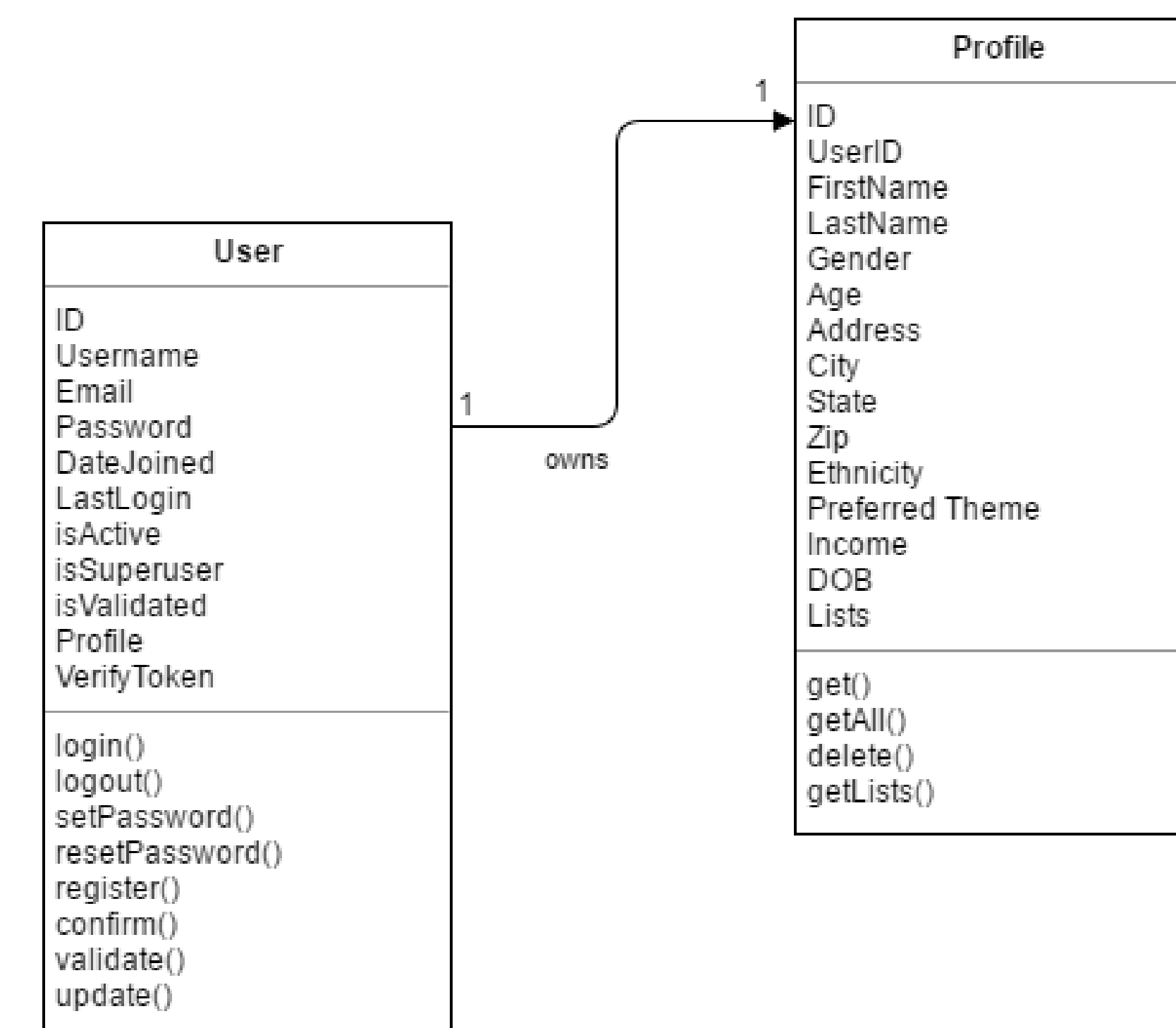
Problem

- Breazehome offered a way to sell and buy real estate through a website.
- Did not offer a convenient way to do so on a mobile platform, though.

Solution & Current System

- Develop a way to offer Breazehome's services on a mobile platform.
- Allow users to navigate Breazehome on an IOS or Android platform.
- Currently contains stylish landing page where a search can be performed. Also allows users to login, signup and reset passwords on the app itself.

Class Diagram



- Diagram outlines entities related to the implemented user login and signup functions.

Implementation

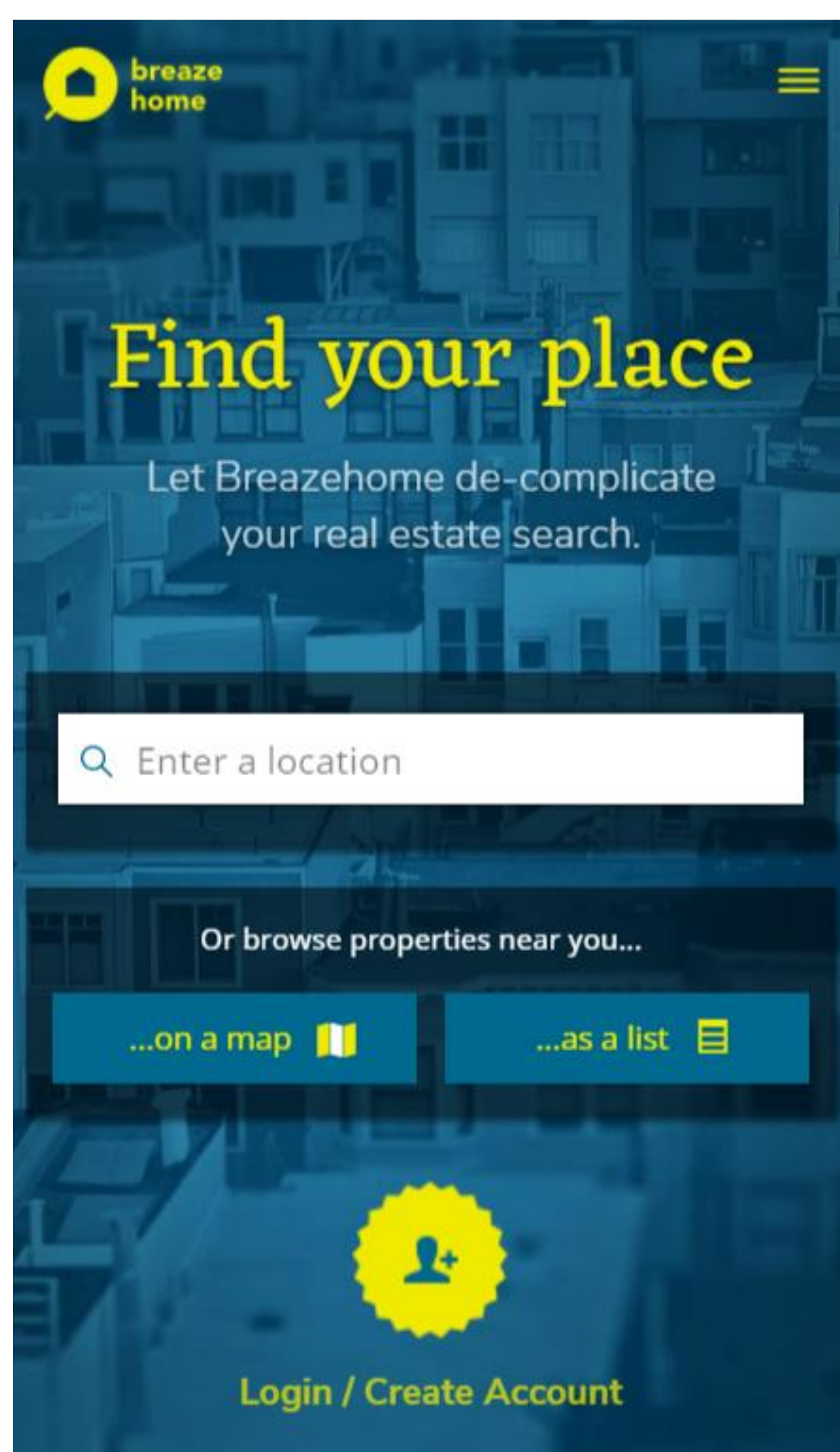


Fig. 1

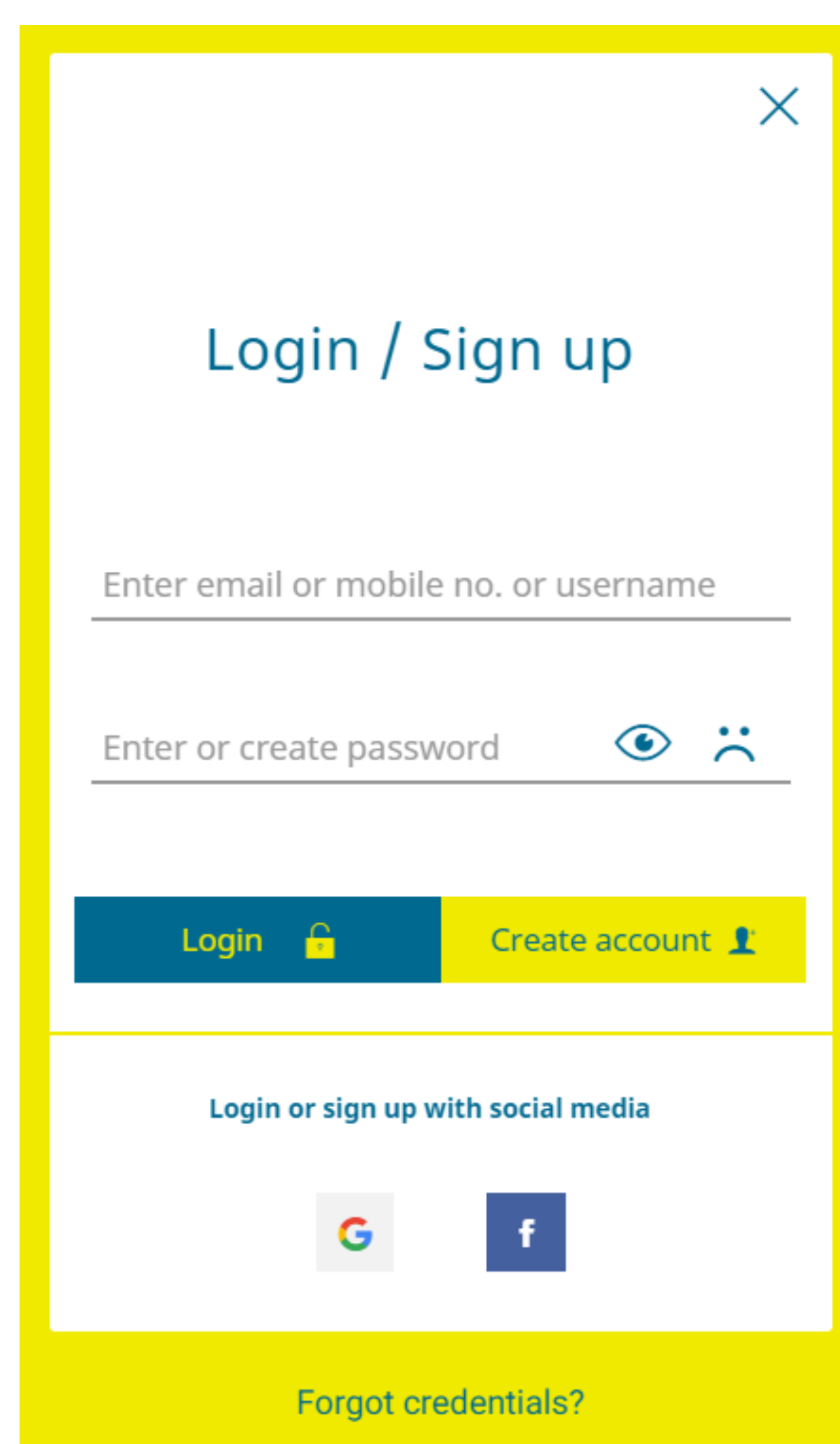


Fig. 2

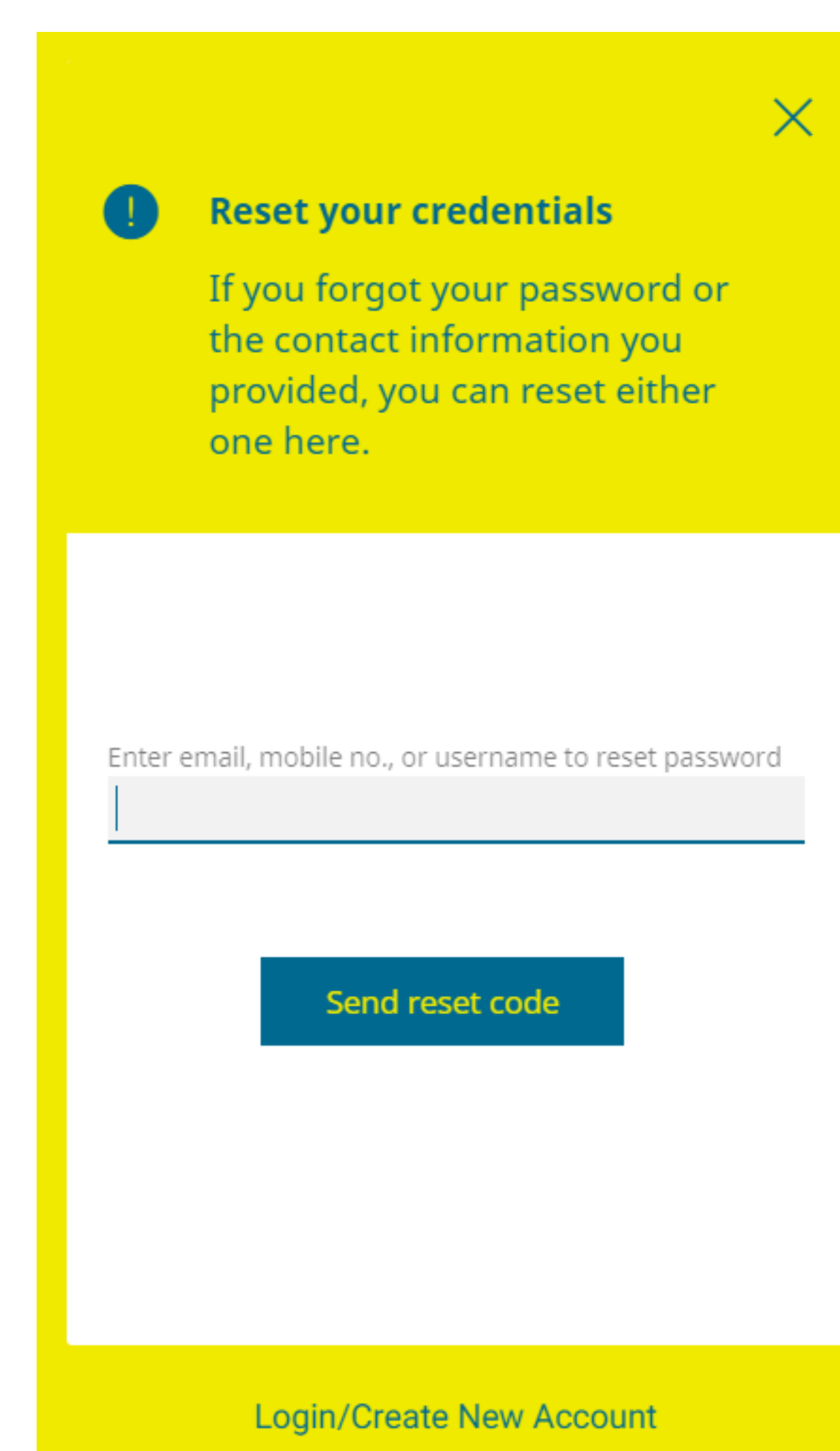
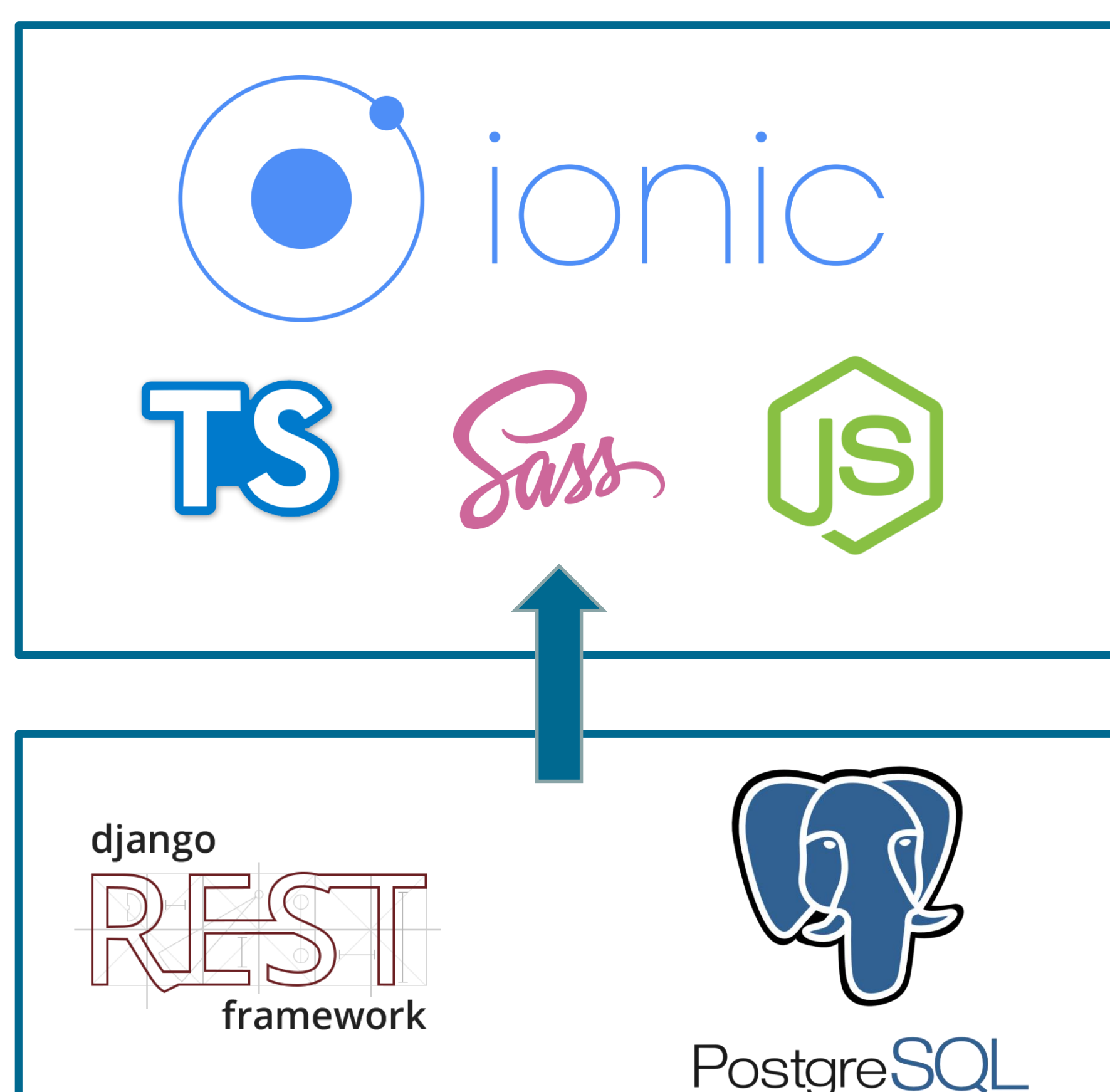


Fig. 3

- Fig.1** – Landing page provides convenient search bar for users.
- Fig. 2** – Users may login via a form or using their Google/Facebook accounts.
- Fig. 3** – Easy reset password process by entering an email, entering a reset code, and creating new password.

System Design



- Frontend of app built upon Ionic by using NodeJS, TypeScript, HTML, and SASS.
- API built on the Django Reset Framework using Python.
- Front end connects to API through our PostgreSQL database.

Requirements, Verification, & Summary

- Allow users to begin a search right away by entering information into a search bar.
- Allow users to login via a form or through their Facebook/Google accounts.
- Allow users to reset their Breazehome password by entering their email.
- Verification done by testing pages through Ionic-provided tools such as the Ionic Lab.