

ZenZone: User Instructions

Section 1: App Set Up

Access the Firestore hosted app:

Click here to access the app: <https://zenzone-90b7a.web.app/>

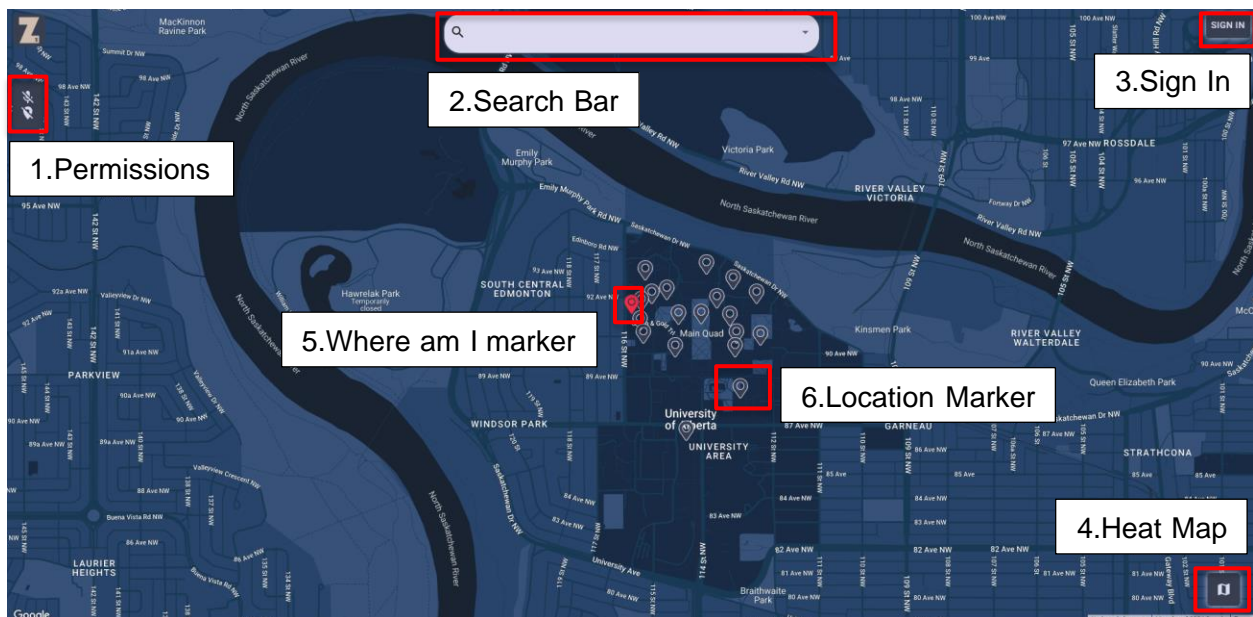
Access the app on your local machine:

Follow the instructions in the README file.

1. Navigate to app.
2. Install node packages: `npm i`
3. Run locally: `npm run start`

Section 2: App Home Screen

This is the home screen for the app. All the features displayed on the image below are the same for authenticated users and admin users and un-authenticated users.



1. **Permissions:** Click on this button to toggle the app's microphone and location permissions. Your browser may also ask for permissions too and can force the app to not have location and microphone permissions.
2. **Search Bar:** Click on the search bar and type in a location name to search for a location. Clicking on the location will center the map on the location's marker
3. **Sign In:** Click on this button to navigate to the sign in page. After signing in, this button will become a sign out button to sign users out of the app.
4. **Heat Map:** Click on this button to toggle the heat map layer

5. Where am I marker: This marker shows you current position on the map if you have location permission enabled.
6. Location Marker: this shows the position of locations on the map.

Section 3: View Location Profile

1. Click on a location marker on the map.
2. This will open the location profile dashboard.



3. Click on the submit data marker to manually submit data. This will open up a form for users to manually submit data

Manual Input

Noise Level **MODERATE** 60dB

Busy Level **NORMAL** 50%

SUBMIT CANCEL

4. Click on the map to close the location profile dashboard.

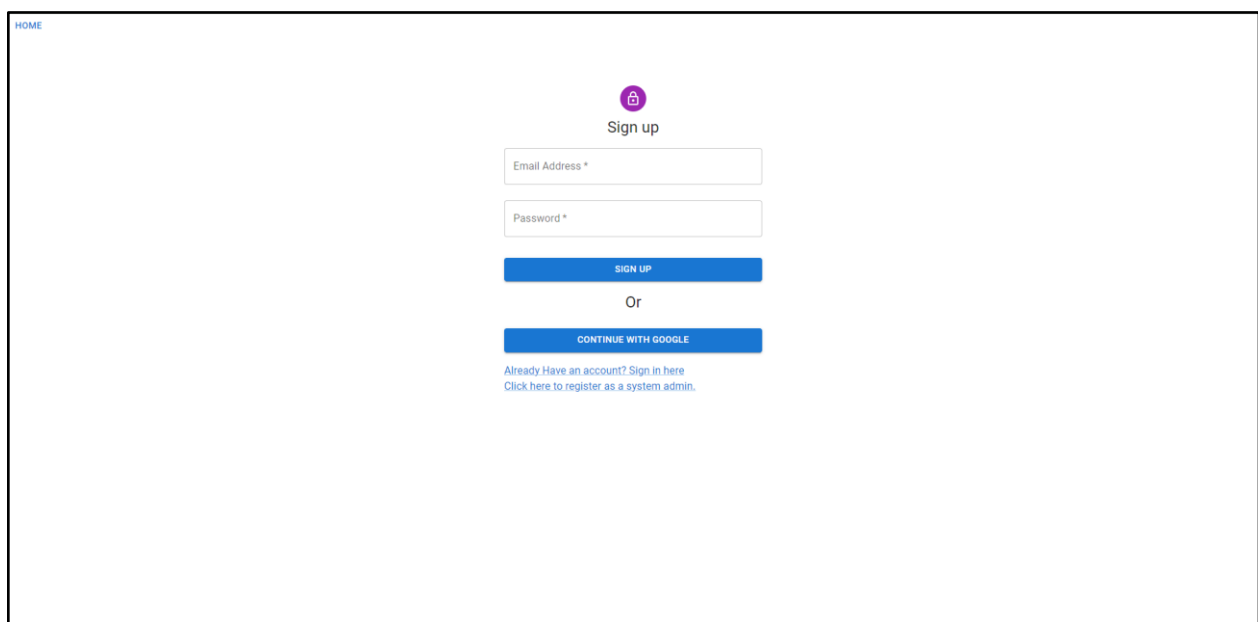
Section 4: User Account

1. Click on the “Sign in” button on the app’s home screen (Section 2: App Home Screen).



The screenshot shows the 'Sign in' page of an application. At the top left, there is a small icon of a house inside a square, which is highlighted with a red box. Below this icon is a text box containing the text 'Navigate back to Home Screen'. The main content area features a 'Sign in' header with a lock icon. Below the header are two input fields: 'Email Address *' and 'Password *'. There are two blue buttons: 'SIGN IN' and 'CONTINUE WITH GOOGLE'. The 'SIGN IN' button is highlighted with a red box. To the right of these buttons is a text box containing the text 'Sign In'. Below the 'CONTINUE WITH GOOGLE' button is a link that says 'Don't have an account? Sign Up', which is also highlighted with a red box. At the bottom of the page, there is a text box containing the text 'Navigate to User Sign Up Page'.

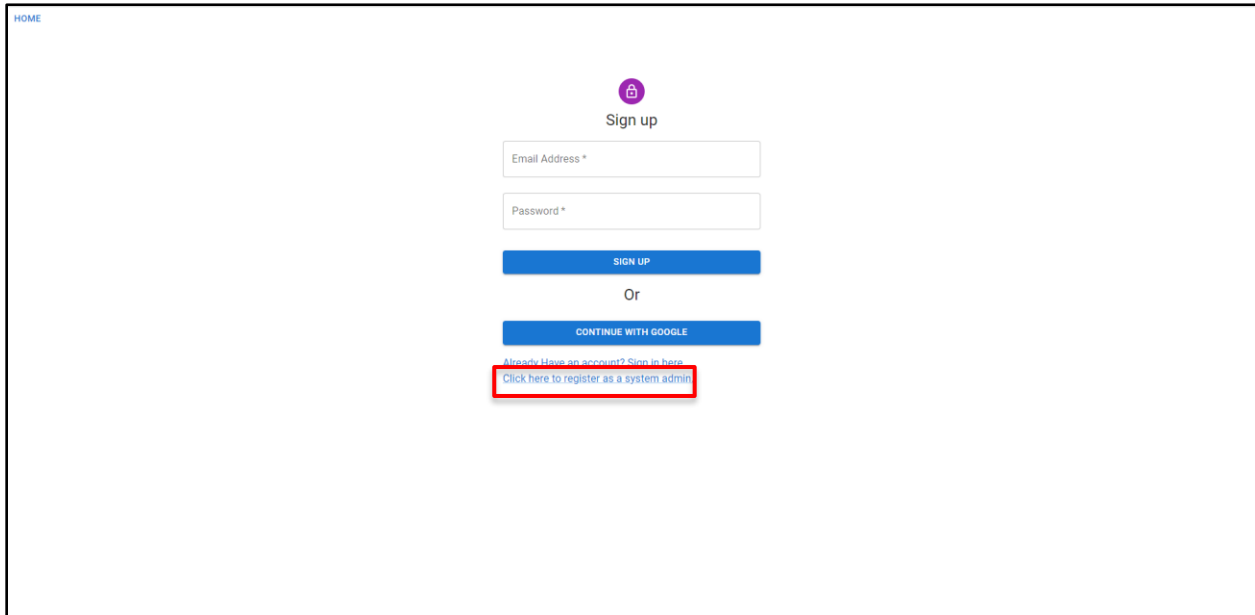
2. If you already have an account, enter your email and password then click the Sign in button, or click Continue with Google to sign in using your Google Account.
3. After successfully authenticating, you will be redirected to the Home Screen.
4. To create a new account, click on “Don’t have an account? Sign Up” text. This will redirect you to the sign up page.
5. Enter your email and password then click sign up to register or click continue with Google to create your new account using your Google account. NOTE: You can only create one type of account per email and Google account.



The screenshot shows the 'Sign up' page of an application. At the top left, there is a small icon of a house inside a square, which is highlighted with a red box. Below this icon is a text box containing the text 'Navigate back to Home Screen'. The main content area features a 'Sign up' header with a lock icon. Below the header are two input fields: 'Email Address *' and 'Password *'. There are two blue buttons: 'SIGN UP' and 'CONTINUE WITH GOOGLE'. Below the 'CONTINUE WITH GOOGLE' button is a link that says 'Already Have an account? Sign in here' and another link that says 'Click here to register as a system admin'.

Section 5: Admin Account

1. If you already have an admin account created, follow the steps in Section 4 to sign in.
2. To create a new admin account, follow the steps in Section 4 to the sign up page



HOME

Sign up

Email Address *

Password *

SIGN UP

Or

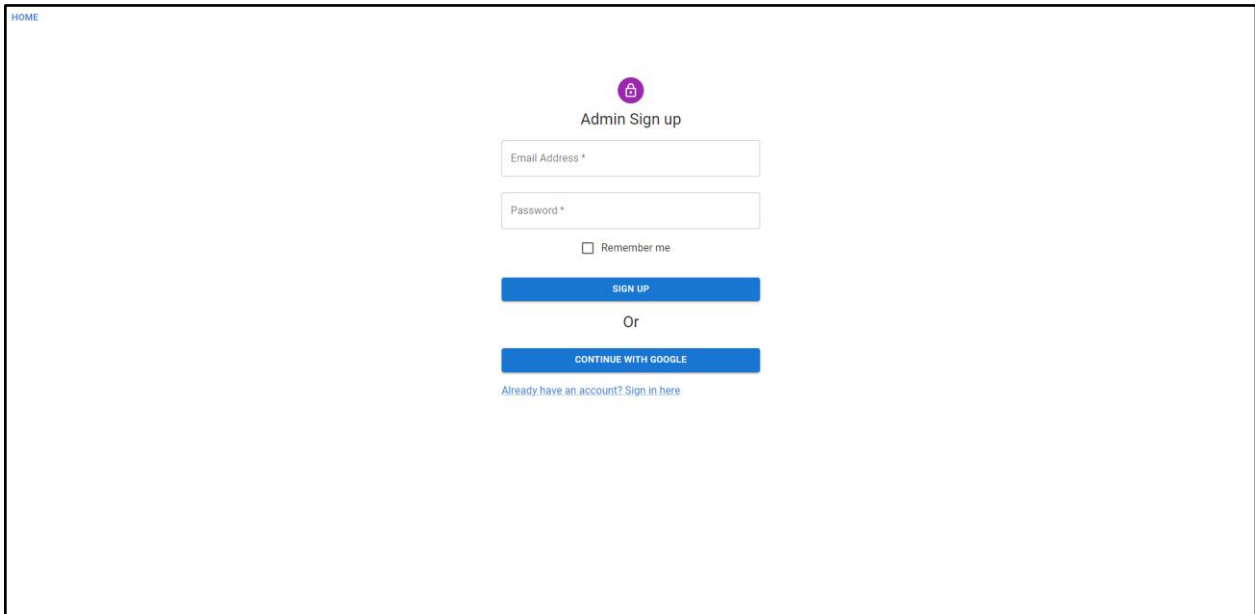
CONTINUE WITH GOOGLE

Already Have an account? Sign in here

Click here to register as a system admin

This screenshot shows the 'Sign up' page. It features a purple lock icon at the top. Below it are two input fields for 'Email Address *' and 'Password *'. There are two blue buttons: 'SIGN UP' and 'CONTINUE WITH GOOGLE'. A link 'Already Have an account? Sign in here' is present. A red box highlights the text 'Click here to register as a system admin' at the bottom.

3. Click on the “Click here to register as a system admin” text. This will redirect you to the admin sign up page.
4. Enter your email and password then click sign up to register or click continue with Google to create your new account using your Google account. NOTE: You can only create one type of account per email and Google account.



HOME

Admin Sign up

Email Address *

Password *

☐ Remember me

SIGN UP

Or

CONTINUE WITH GOOGLE

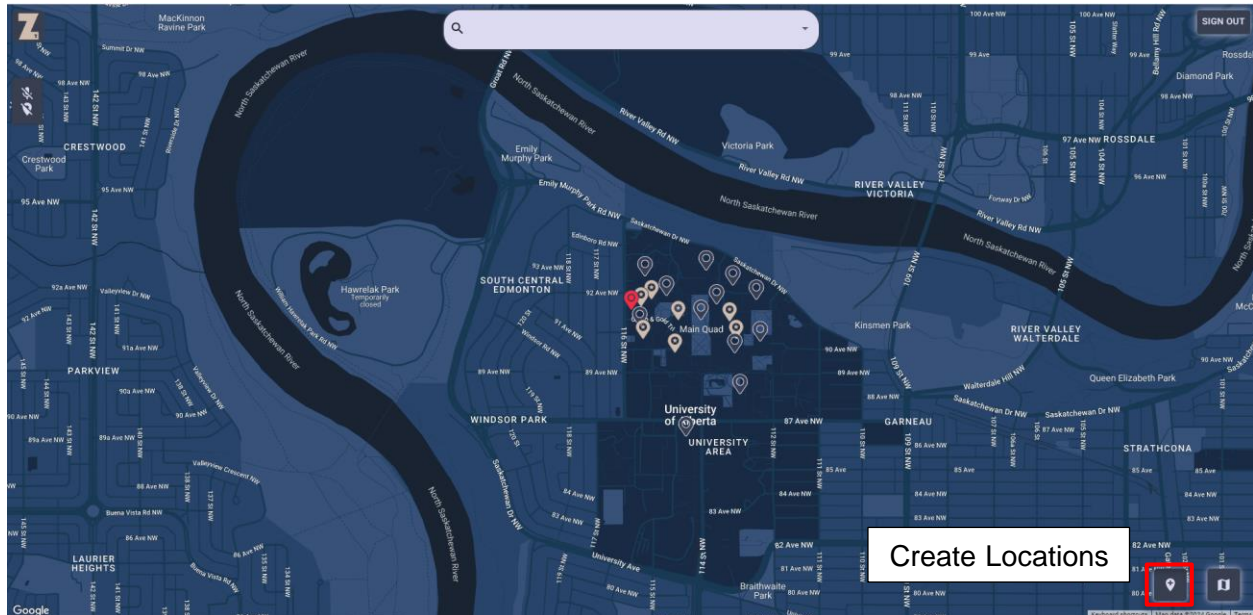
Already have an account? Sign in here

This screenshot shows the 'Admin Sign up' page. It features a purple lock icon at the top. Below it are two input fields for 'Email Address *' and 'Password *'. There is a checkbox labeled 'Remember me'. There are two blue buttons: 'SIGN UP' and 'CONTINUE WITH GOOGLE'. A link 'Already have an account? Sign in here' is present at the bottom.

Section 6: Managing Locations

1. Follow the instructions in Section 5 to create and sign into your admin account.
2. To create a new location, click on the Create Locations button in the bottom right corner of the screen. This will open a form to enter the new location's information.

NOTE: This button is only visible if you are signed in with an admin account.



3. Fill out the form with the Location's information. To set the latitude and longitude, click on the map.
4. Click the save button to create the new location.
5. Click the exit button to close the create location dashboard. If you have any unsaved changes, they will be deleted.

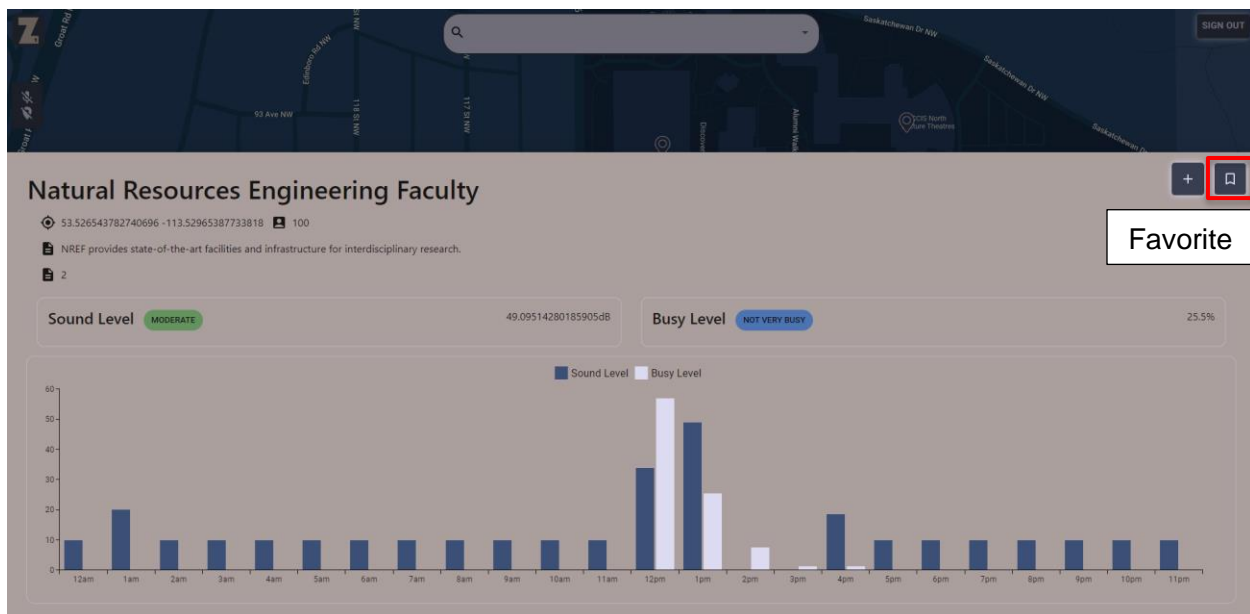
A screenshot of the 'Create Location' form. The form is displayed over a map of the University of Alberta campus. The form has the following fields: 'Location Name *' (text input), 'Organization' (text input, pre-filled with 'University of Alberta'), 'Latitude' (text input, pre-filled with '0'), 'Longitude' (text input, pre-filled with '0'), 'Capacity' (text input, with a person icon), 'Size' (text input), 'Description' (text area), and 'Floors' (text input). There are three buttons in the top right corner: 'Save' (highlighted with a red box), a location pin icon (highlighted with a red box), and 'Exit' (highlighted with a red box). The 'Exit' button is also labeled with the text 'Exit' in a separate box.

- To modify a location, navigate to the location profile dashboard (Section 1).
- Click the edit button. This will open the same dashboard as Step 5. with the location's information populated. Make any changes needed, then save and close the dashboard.



Section 7: Favorite Locations

- Sign into your user or admin account (Section 4 and Section 5). NOTE: This feature is only available to users or admin users who are signed in.
- Open the location's profile dashboard (Section 1).
- Click on the favorite button to save or remove the location as a favorite.



4. The favorite locations are displayed with a favorite marker on the map

