

2024



TRU RESEARCH HUB KIOSK APP

OFFICIAL USER MANUAL

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VERSION 1.0 | COMP 3451 | December 21, 2024

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1. ReadMe

Introduction

This document provides comprehensive guidance for installing, configuring, and using the updated TRU Research Hub Kiosk Application. The application has been enhanced based on usability testing and user feedback, incorporating features to improve clarity, accessibility, and overall user experience. Each section of this manual outlines the updated functionality, installation steps, and best practices for optimal use.

Requirements

The following requirements must be met to successfully run the application:

- **TRU Credentials:** The application is hosted on TRU's Microsoft 365 tenant. Users must have **TRU-issued STAFF / Faculty** credentials to access and test the app (*TRU credentials are not required for end users to Sign In or Sign Out, it is only required by anyone installing or accessing the app's data*).
- **Microsoft Power Apps Environment:** Ensure that you have access to the Power Apps platform as part of your TRU Microsoft 365 subscription as usually include for faculty.
- **Compatible Browser:** Use modern browsers like Microsoft Edge, Google Chrome, or Safari for optimal performance.
- **Internet Connection:** A stable access to the internet is required to use the application for any instances outside of the designated kiosk tablet.

The app does not rely on external third-party APIs or libraries. It fully utilizes the Microsoft Power Platform and integrates with the Microsoft Dataverse for data storage and retrieval.

2. View App Source Code

Extracting Source Code

Below is a step-by-step guide on how to view the source code of this project:

1. Download the zip file labelled "*Source Code – Research Hub Kiosk*".
2. Extract the files to a location of your choice.
3. Navigate to the **SRC** folder "*Source Code - Research Hub Kiosk\Research Hub Kiosk\AppComponents\Src*".
4. Open the files you want to inspect using your favourite code editor e.g. Visual Studio.

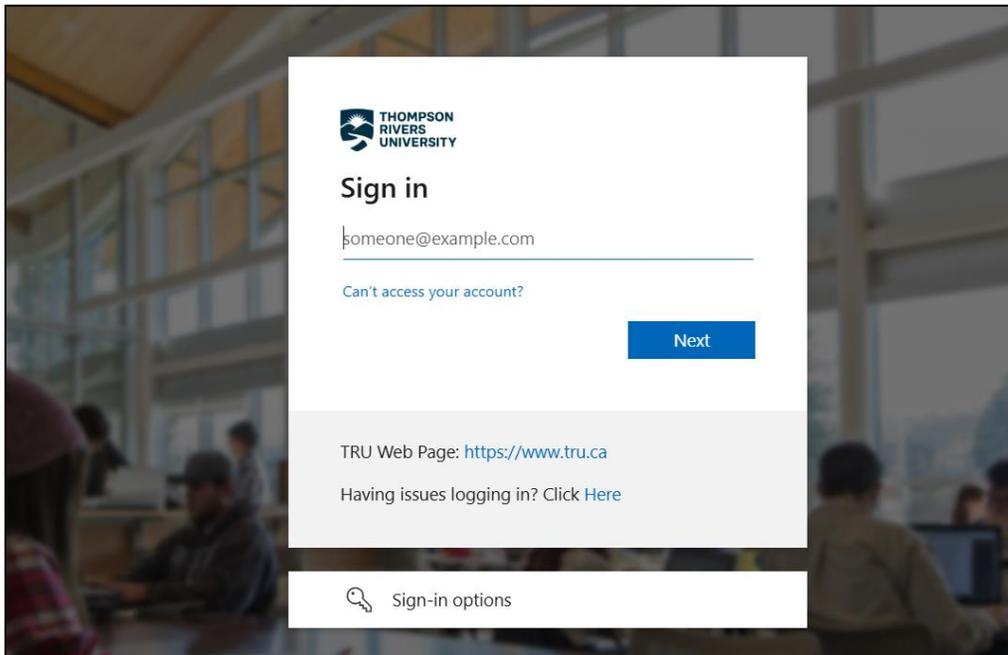
N.B. Each file is appropriately labelled and contains the YAML /PowerFx code for the functionality named. Each file contains brief descriptions at the beginning and relevant sections are commented for understanding.

3. Testing App Functionality

The main way to test the functionality of the app is access it through the URL on which it is hosted live. However, a backup option has been provided in case of failure. Both options are discussed in more detail below.

Option 1: Using the Live Link (Recommend)

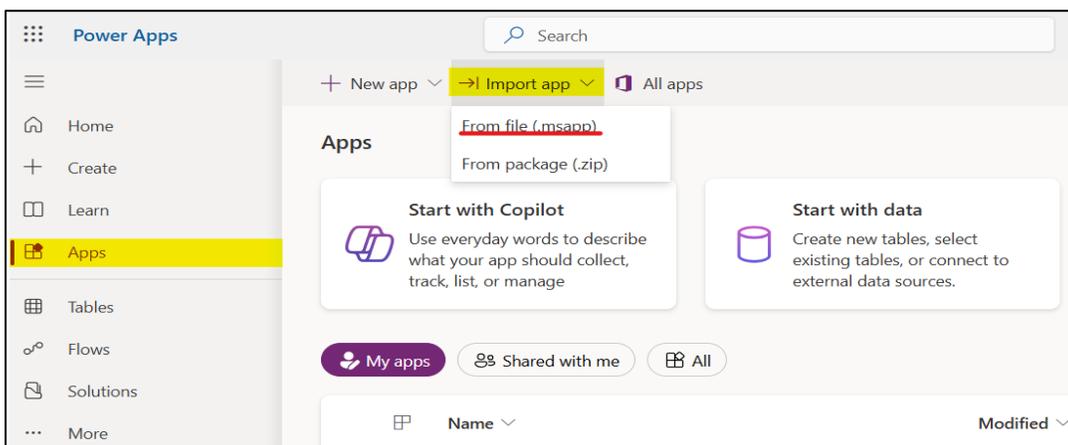
1. Open the provided live [Power App link](#) in a browser.
2. Log in with your TRU credentials when prompted. If your TRU Account does not include Power Apps, you may start a free trial.



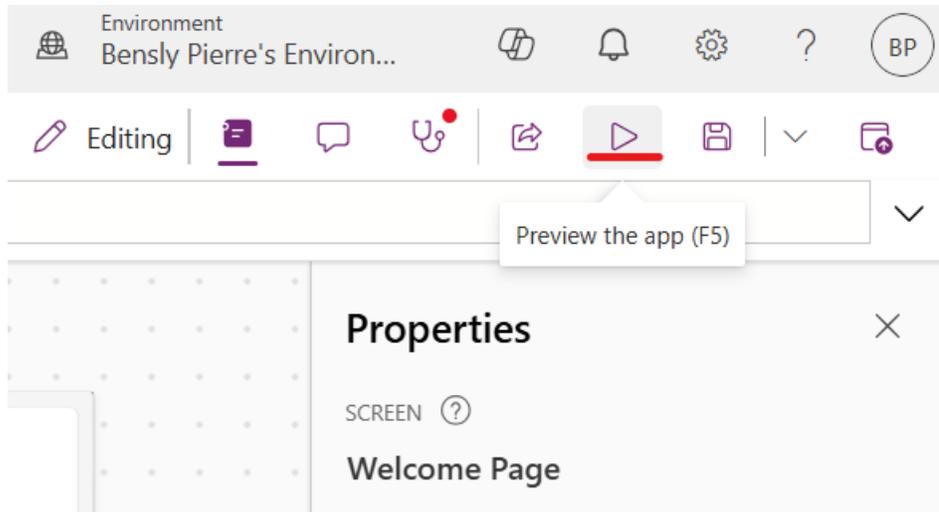
3. Run the app directly from the link. Proceed to the app [User Manual](#).

Option 2: Importing the .msapp File (Backup)

1. Download the provided .msapp file labelled "*Backup - Research Hub Kiosk.msapp*".
2. Go to [Power Apps Studio](#) and select Apps → Import Canvas App.



3. Upload the .msapp file and click Import.
4. Customize or run the app within your Power Apps environment by clicking on the play button.



4. Changes to Project

Explanation of changes

The application has been enhanced with new features based on user feedback. These updates aim to improve usability, reduce task time, and ensure inclusivity for all users. These changes **do not require explicit testing**, their effects should be observed through the user experience.

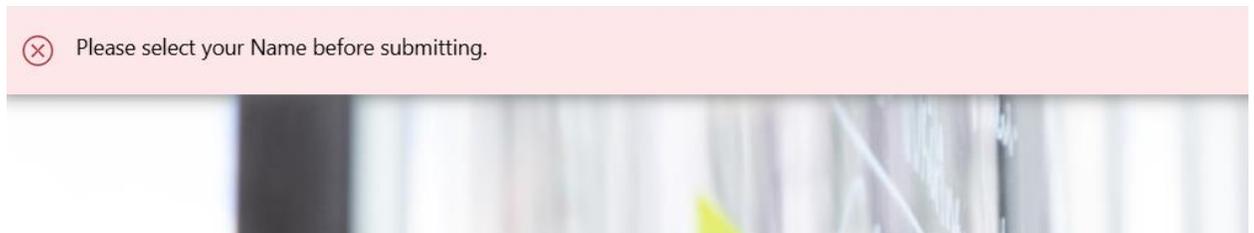
1. Progress Indicators

A prominent progress bar has been added to visually indicate system activity during processes such as sign-in and sign-out. This enhancement reduces user uncertainty and builds confidence in the system's responsiveness.



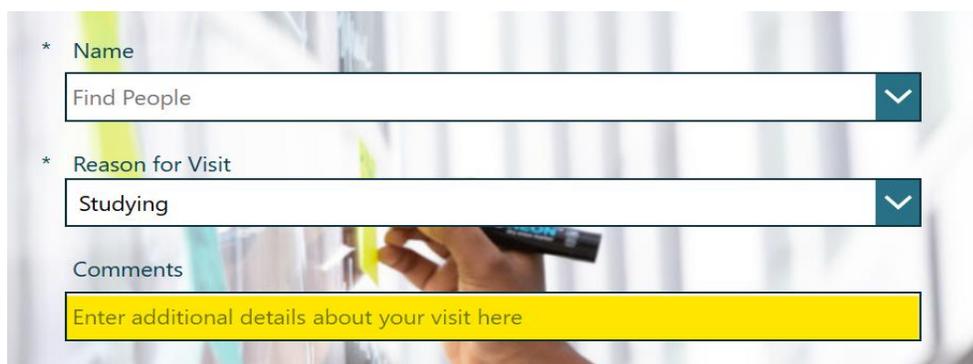
2. Descriptive Feedback and Instructions

Error messages and instructions have been made more detailed and specific. For example, vague messages like "Please correct the error" have been replaced with actionable guidance, such as "Please select your name before submitting."



3. Simplified Form Fields

Form fields have been restructured to minimize confusion. Placeholder text now provides clear instructions, such as "Enter additional details about your visit here", making data entry more intuitive.

A screenshot of a form with three input fields. The first field is labeled "* Name" and contains the text "Find People" with a dropdown arrow on the right. The second field is labeled "* Reason for Visit" and contains the text "Studying" with a dropdown arrow on the right. The third field is labeled "Comments" and contains the placeholder text "Enter additional details about your visit here" on a yellow background. The background of the screenshot shows a blurred image of a person's hand holding a pen over a document.

4. Accessibility Enhancements

The interface now complies with accessibility standards, ensuring compatibility with screen readers and providing high-contrast visuals.

5. Zoom-In Capability

Users can activate a zoom function to magnify text and interface elements, accommodating those with visual impairments and making the system adaptable to diverse needs.

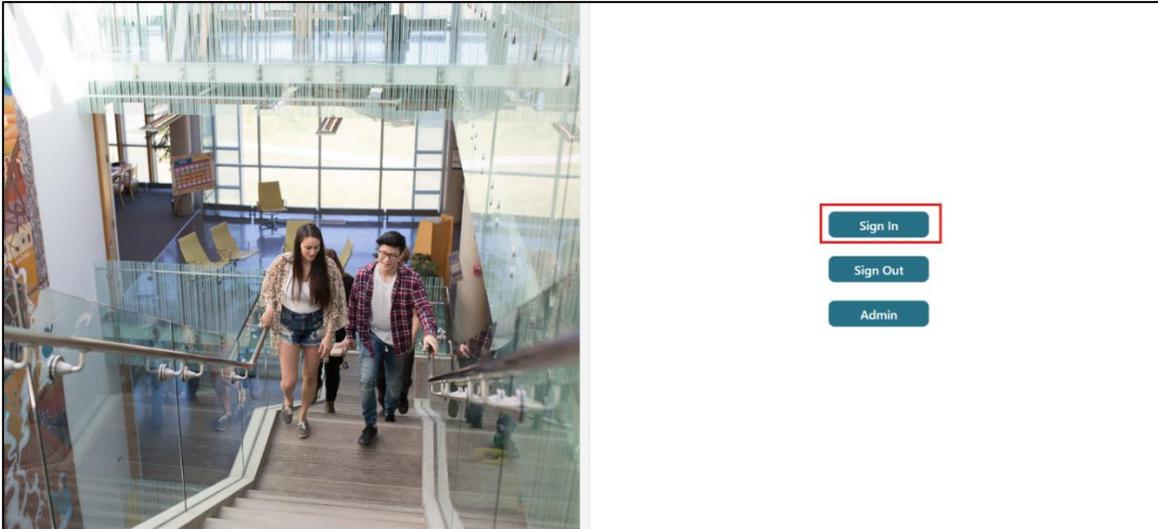
5. User Manual

The following user manual provides clear instructions on how to navigate and use the Research Hub Kiosk Application. Designed with simplicity and accessibility in mind, the app supports an efficient sign-in and sign-out process. These steps will ensure users can interact with the system confidently and without assistance. *Please use **Jane Doe** user for testing.*

Sign In

1. Select the “**Sign In**” option on the home screen.

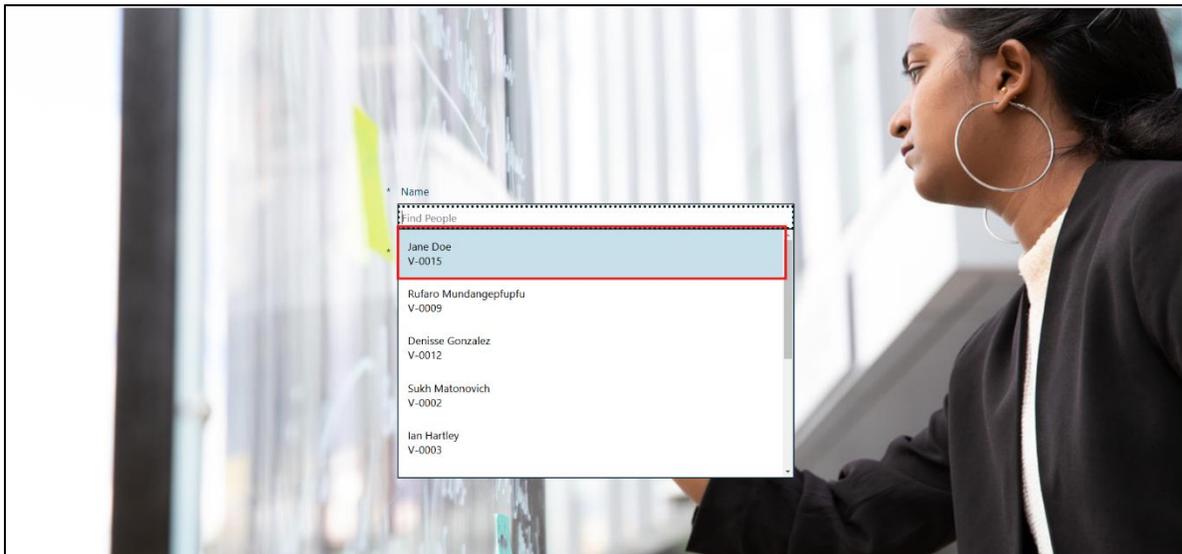
New: Zoom can be applied by pinching screen on mobile



2. Using the dropdown menus, and textboxes, **enter** your name, reason for your visit and a comment if necessary. *Tip: If list of names is too long, you may start typing your name to filter the list.*

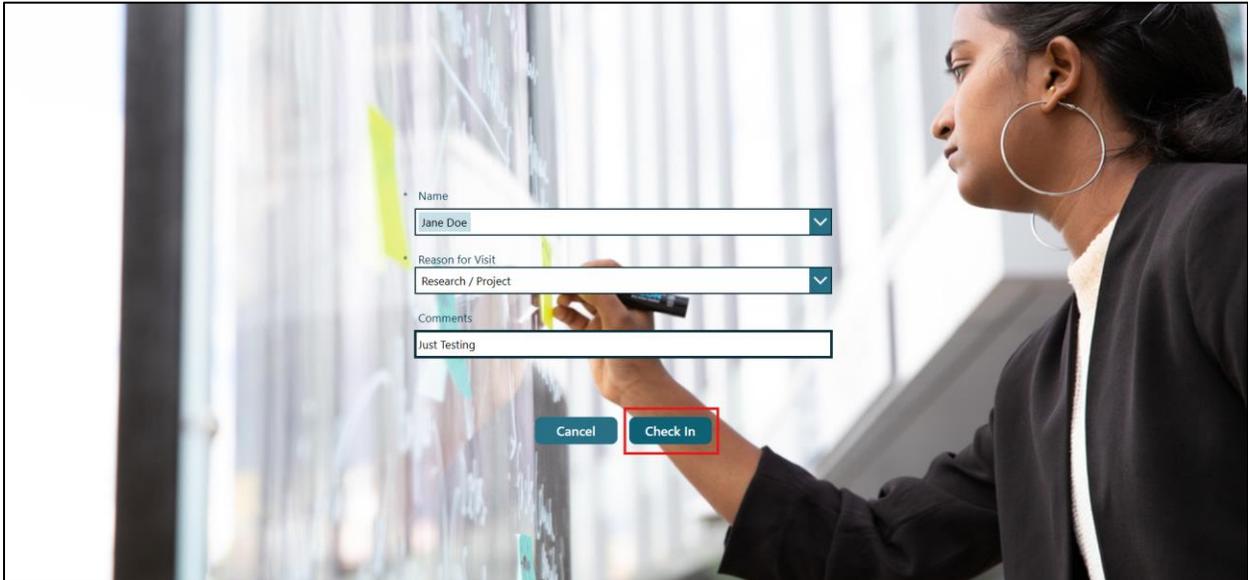
N.B User must be currently signed out to show up in the sign in list.

New: Error message changed to provide clarity. Form fields provide useful hints.

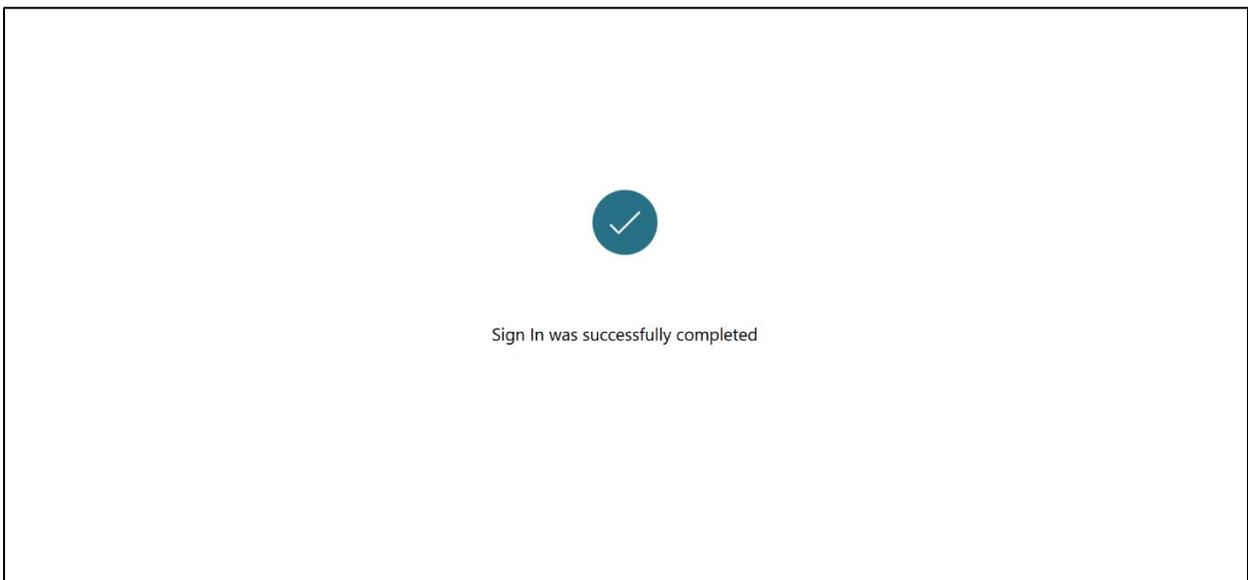


3. Tap “**Check In**” to complete the sign-in process.

New: A progress bar will indicate activity at the top edge of the screen.



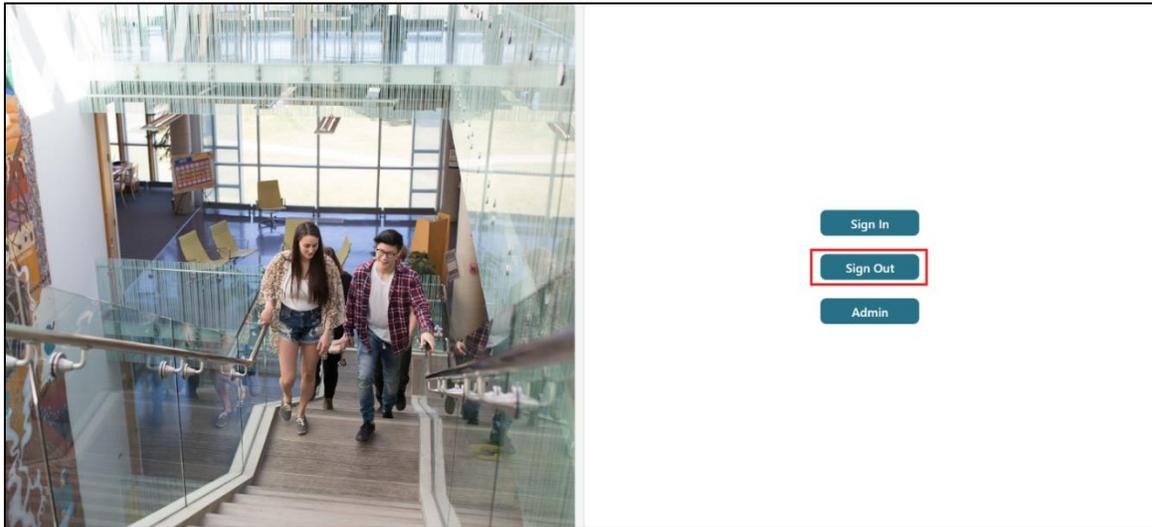
4. If sign in is **successful**, the app will transition to a new screen acknowledging your entry. If unsuccessful, error messages will display in red indicating the issue.



Sign Out

1. Select the “**Sign Out**” option on the home screen.

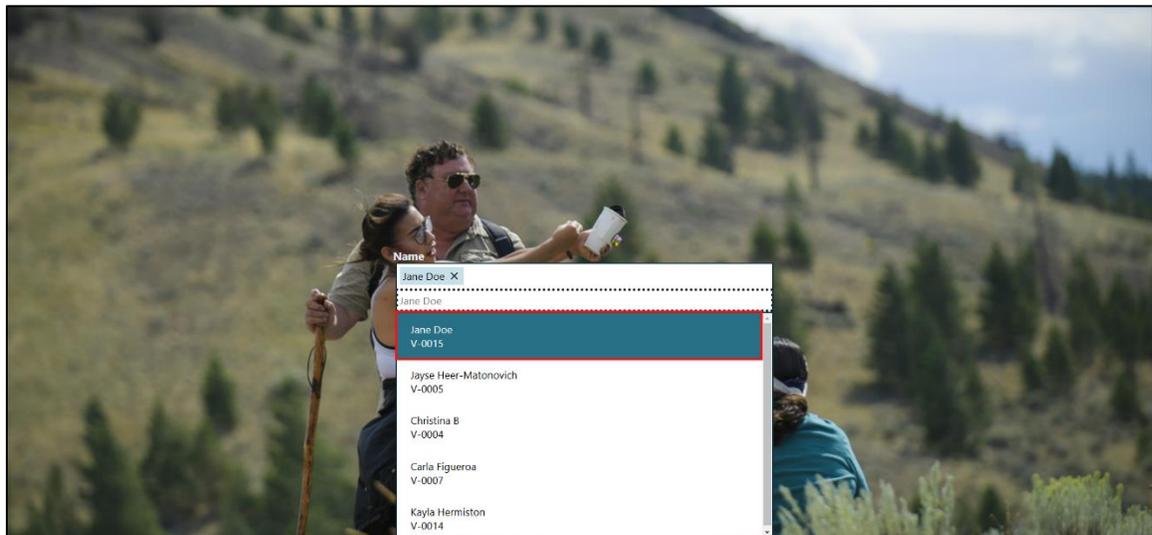
New: Zoom can be applied by pinching screen on mobile



2. Using the dropdown menu **select** your name. *Tip: If list of names is too long, you may start typing your name to filter the list.*

N.B User must be currently signed in to show up in the sign out dropdown.

New: Error message changed to provide clarity. Form fields provide useful hints.

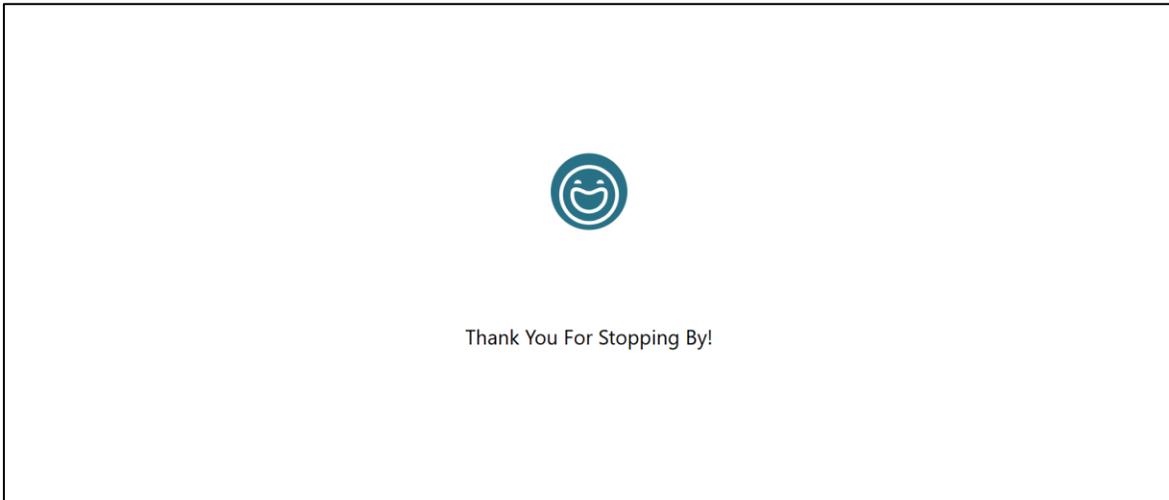


3. Tap “**Sign Out**” to complete the sign-out process.

New: A progress bar will indicate activity at the top edge of the screen.



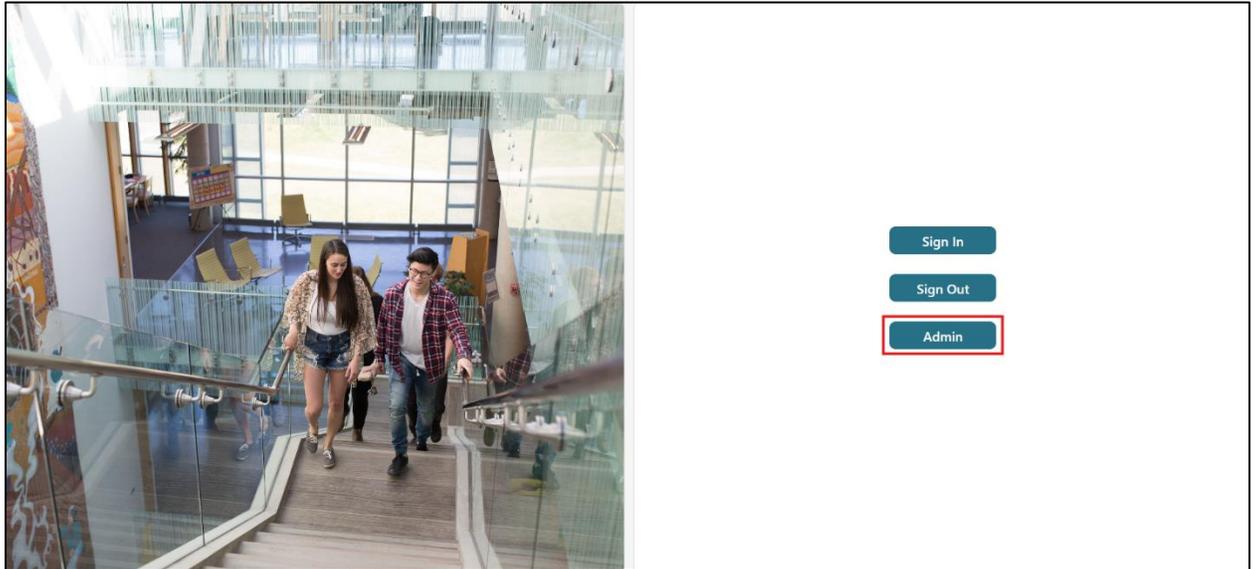
4. If sign out is **successful**, the app will transition to a new screen acknowledging your entry. If unsuccessful, error messages will display in red indicating the issue.



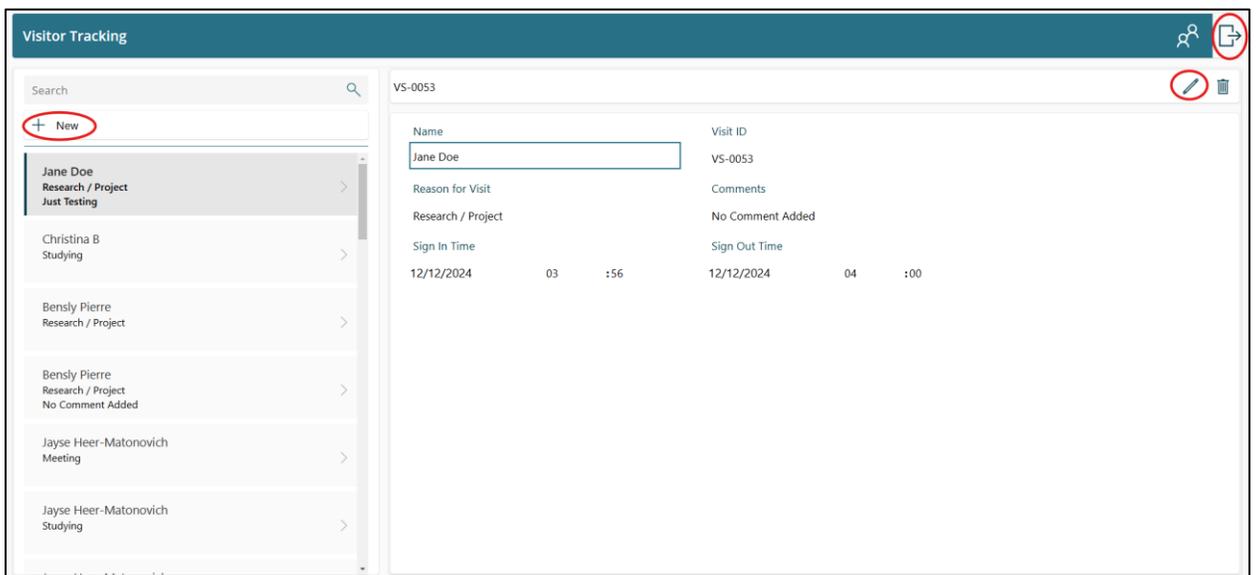
Viewing Logged Entries

This option is only available for Admin purposes. In order to verify functionality in this testing, access has been provided. Please use this to verify your entries have been saved to the database:

1. Select the “**Admin**” option on the home screen.



2. This will take you to a screen which **displays** a list of all the entries in the left pane and details of a selected entry on the right pane.



3. Entries can be modified by clicking the **pencil** icon on the top right.
4. New Entries can be added by clicking the **plus** icon on top of the left pane.
5. User can return to the home screen using the **arrow** icon on the extreme top right corner.