

Silent Spaces Locator: Initial User Experience Scenario

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The *Silent Spaces Locator* app will eventually allow users to identify a silent space near them for all their productivity needs. The target demographic for an app with this functionality would be secondary or post secondary students, but in our day and age where working remotely has become more ordinary, the service could also benefit any working professionals who require a nearby quiet workspace. In this first scenario we will describe the expected functionality of the app such as the user sign up/account creation process, the workspace list/selector, and a basic review system.

Scenario “First Time Use”

The user upon launching the app would be met with a login portal prompting users to either login to an existing account, or create an account. In order to create an account, the user must be tied to an organization, which can be done with an invitation link/code provided by the organization. Once logged in, the user will be asked to provide their location data to populate a list of local registered spaces. The user can be involved in multiple organizations, but requires creating a profile for each one. If the user is registered with an organization (i.e University, Library, etc.), then the relevant spaces are then automatically displayed.

Once the user has properly logged on they are met with a “Dashboard” interface. This “Dashboard” page links to the following pages. “*Find a Space*”, “*Profile*”, “*Settings*”, or “*Support*”.

The “*Find a Space*” page lets you choose from 3 options. Either into “*Spaces Near You*”, “*Favorite Spaces*”, or “*All Spaces*.”

Spaces Near You

Uses the location data to find out which spaces are closest to the user that they have access to. It will display it in a linear order, sorted by an algorithm taking into account distance, and the space’s rating. The user can then enter a Space Overview for a certain space.

Favorite Spaces

A list of the spaces the user has labeled one of their “Favorite Spaces.” They enter the Space Overview from here.

All Spaces

Provides a catalog of all spaces owned by that organization. It also has the option to filter by their current location in addition to listing in that specific order just like “Spaces Near You”. This page also has a basic search, and an advanced search with filters. The user can also enter a *Space Overview* using this page.

Profile

A profile/account menu will also be available for the user to edit their personal information that will be visible to other users in the organization. They can change their public display name,

username/email, and various other details. Any changes to this will send a request to the organization's hosting server.

Settings

A settings menu will also be available for editing the app preferences. This includes things such as lightmode/darkmode. This will only be stored on the user's device.

Space Overview

Once a user has selected their preferred space, they are met with general information pertaining to that space such as the specific location (building, floor, etc.), a noise level indicator, and current power outlet availability depending on what features the organization's server hosts. seat or outlet availability etc.

The user can "check in" to a space, notifying the server that the user is currently "residing" in it. They can also choose not to, if needed.

If the user decides to check out a space they are given the option to review the space based on their experience, and also give an update on the noise levels or occupant status. If the user enjoyed their experience, they are given the option to add the space to a favorites list for easier accessibility. The users are also given the option of reporting or adding their own data to the space, such as "This space has more people than suggested!", or "This space has faulty outlets."

Support

The user can use the support page to request help, and send reports detailing any contradictory or erroneous information regarding a page, or the system. Once the user presses the support button they will be able to submit a form which will be seen on an google excel sheet for the developers.

Figure 1. Diagram of App Interface

