As a developer, I want to add alternate text to images and videos so users with disabilities can still use and access the application properly.

Acceptance criteria:

Given: The user has poor or no vision.
When: The user is successfully logged into the system.
Then: The user can understand the website fully with the alternate text to the media.

As a developer, I want to require the user to enter credentials to validate themselves in order to use the system.

Acceptance criteria:

Given: The user enters their credentials.
When: The database checks and validates said credentials.
Then: The user will be logged in and can access the system.

As a user, I want to alter the floor map so that the client can easily switch between rooms.

Acceptance criteria:

Given: The user uploads a file with the floor map.

When: The client verifies the file type and applies the file to the system.

Then: The user interface will display the new floor map.

As a developer, I want to make the interactive elements easy to find and use so users with disabilities are able to successfully use the application.

Acceptance criteria:

Given: The user is logged into the system

When: On the main page, looking at the diagram

Then: All of the elements are laid out in a friendly manner and are easy to understand.

As a developer, I want to restrict unauthorized users to access the system

Acceptance criteria:

Given: The user enters unauthorized credentials

When: The server verifies that the credentials are unauthorized

Then: The client will display an error message

Client Web Application User Stories

User Story	**Acceptance Criteria**
As a user, I want all communications between the client app and the cloud server to use HTTPS so that my data is secure.	**Given** the web app connects to the server **When** data is transmitted **Then** it uses HTTPS/TLS (verified by inspecting traffic).
As a user, I want to configure the cloud server IP and authentication in the interface so that I can connect to the correct server instance.	**Given** a user enters IP and authentication details **When** saved **Then** the app connects to the specified server with those credentials.
As a system operator, I want to configure the map of the space so that the heatmap overlays correctly on my floor plan.	**Given** a user uploads an image or defines coordinates **When** configuration is saved **Then** the app displays the map as background for endpoints and heatmap.
As a user, I want the interface to display the location of each known endpoint on the map so that I know where devices are deployed.	**Given** endpoints are configured **When** I view the map **Then** endpoints appear at their defined physical positions.

As a user, I want to see the best-known status of all endpoints so that I can confirm system health.	**Given** the server provides endpoint status **When** I view the map **Then** each endpoint is marked with status (e.g., green for online, red for offline).
As a user, I want the interface to display a heatmap of estimated device positions so that I can see density patterns in the space.	**Given** scan data is available **When** I view the map **Then** the heatmap overlays on the map showing density.