

BRIGHAM & WOMEN'S HOSPITAL APPLICATION

USER GUIDE



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Chapter 1. User Analysis

Who is the user and why do they use it?

- Intended Users (*on page 4*)
- User Goals (*on page 5*)

Intended Users

Who uses the product?

Patients and Visitors

People being treated at the hospital or visiting the hospital.

- Receiving treatment or registering to receive treatment at the hospital if a patient.
- Has an ailment or sickness if a patient.
- Visit or tour the hospital if a visitor.

Employees

People who work at the hospital.

- Have higher education in medicine or related fields if a doctor or nurse.
- Administering treatment if a doctor or nurse.
- Shadowing professionals within the hospital if a student.
- Maintaining or cleaning the hospital if a hospital housekeeper.
- Have training and certification if an EMT.
- Transporting patients if an EMT.
- Have higher education in law or related fields if an insurance agent or lawyer.
- Patrol hospital if a security guard.
- Sell merchandise or medication if a salesperson or pharmacist respectively.
- Receive schedule from administrator.

Administrators

People who manage employees at the hospital.

- Have higher education in management or related fields.
- Schedule employees.
- Oversee the affairs in the hospital.

User Goals

Why do they use the product?

Navigate hospital

Have a specific path when navigating to a desired destination in the hospital.

Related information

[Navigation \(on page 9\)](#)

[Map Editor \(on page 15\)](#)

Request services

Seek the following services provided by the hospital:

- Flowers
 - Medication
 - Internal Patient Transportation
 - Security
 - Sanitation
 - Maintenance
-

Related information

[Service Requests \(on page 21\)](#)

[Flowers \(on page 21\)](#)

[Medication \(on page 24\)](#)

[Internal Patient Transportation \(on page 26\)](#)

[Sanitation \(on page 28\)](#)

[Security \(on page 30\)](#)

[Maintenance \(on page 31\)](#)

Track service request logs and insights

Monitor and delegate the request logs that come in and check the traffic of requests.

Related information

[Service Requests \(on page 21\)](#)

[Service Request Logs \(on page 33\)](#)

[Service Requests Insights \(on page 35\)](#)

Obtain or assign work schedule

Find or delegate hours in the hospital.

Related information

[Scheduling \(on page 38\)](#)

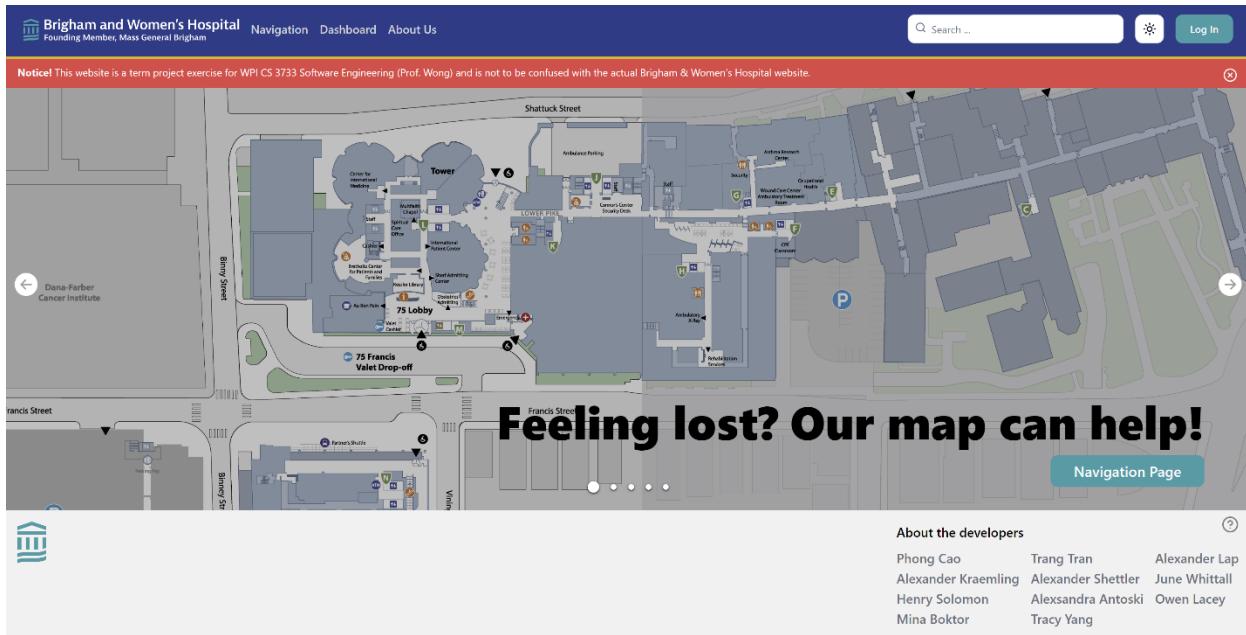
Chapter 2. Feature Analysis

What features are available, how should you navigate to it, and how to use the feature?

- Start/Hero Page (*on page 8*)
- Navigation (*on page 9*)
- Map Editor (*on page 15*)
- Service Requests (*on page 21*)
 - Services
 - Flowers (*on page 21*)
 - Medication (*on page 24*)
 - Internal Patient Transportation (*on page 26*)
 - Sanitation (*on page 28*)
 - Security (*on page 30*)
 - Maintenance (*on page 31*)
 - Service Request Logs (*on page 33*)
 - Service Request Insights (*on page 35*)
- CVS Tables (*on page 36*)
- Scheduling (*on page 38*)
- Dashboard (*on page 41*)
- About Us (*on page 42*)

Start/Hero Page

Upon entering the website, you will be taken to this screen:



Sifting through the carousel will show slides that lead you to Navigation and Service Requests.

Clicking on any of the names at the bottom of the screen will take you to the About Us page.

Related information

[Navigation \(on page 9\)](#)

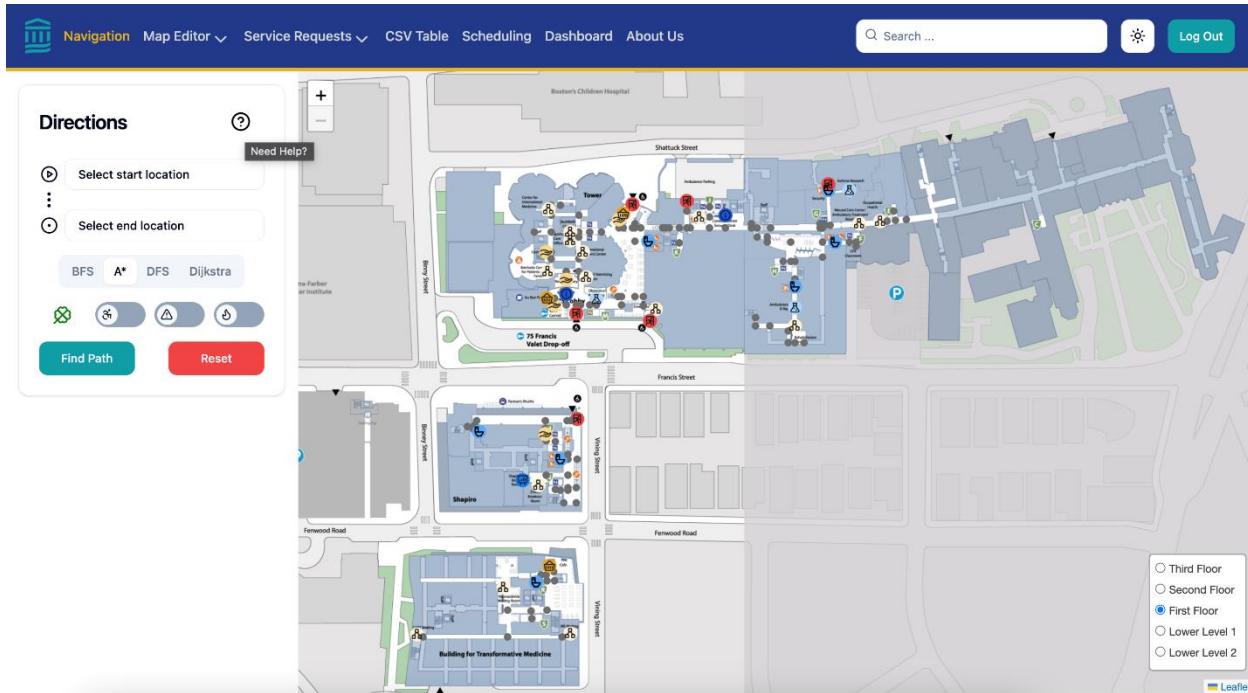
[Service Requests \(on page 21\)](#)

[About Us \(on page 42\)](#)

Navigation

How to get to a desired destination within the hospital.

Clicking the Navigation link in the **header above** will direct you to the pathfinding page.



Here you can get a view of the hospital map and find directions. It also includes the ability to avoid hazards, find accessible paths, and see a heatmap of the most searched paths. Clicking the question mark icon **on the left bar** will take you to the Instructions page.

Related information

Traverse the page (*on page 10*)

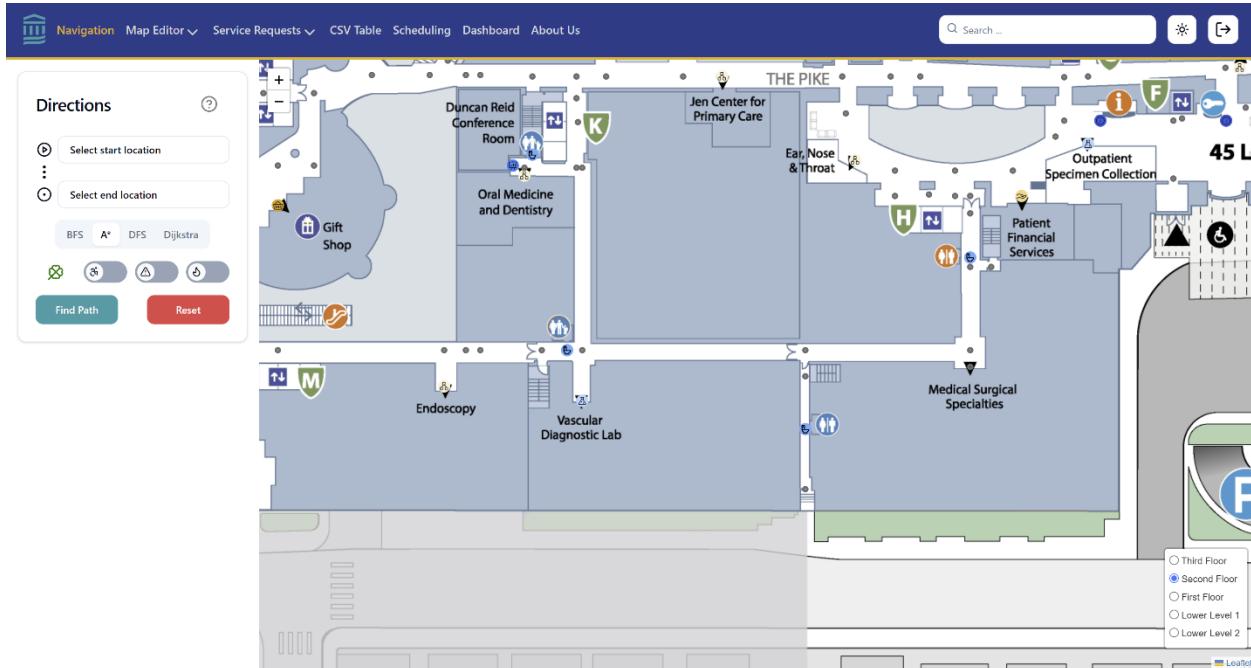
Find your desired room (*on page 10*)

Map Editor (*on page 15*)

Troubleshooting (*on page 43*)

Traverse the page

The radio buttons **in the bottom right** change the view between hospital floors. Clicking the “+” and “-” buttons **on the top left of the map** zooms in and out of the page.



Related information

[Navigation \(on page 9\)](#)

[Find your desired room \(on page 10\)](#)

Find your desired room

Navigation is determined through the location search bar **on the left side of the screen**. There, you can select a start and end location as well as a search algorithm.

Search algorithms

There are four algorithm options available to select for pathfinding:

- BFS (Breadth First Search), A* (A-Star), DFS (Depth First Search), Dijkstra



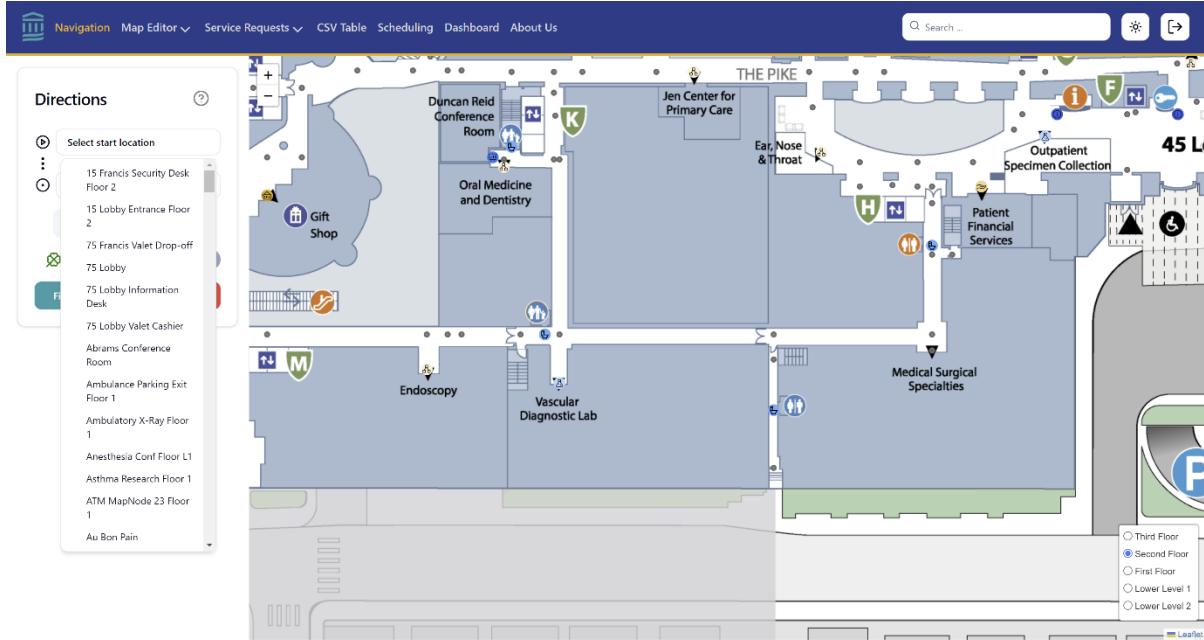
Note: The navigation defaults to A* for the most optimal path.

Pathfinding

There are 3 separate ways to select your start and end locations.

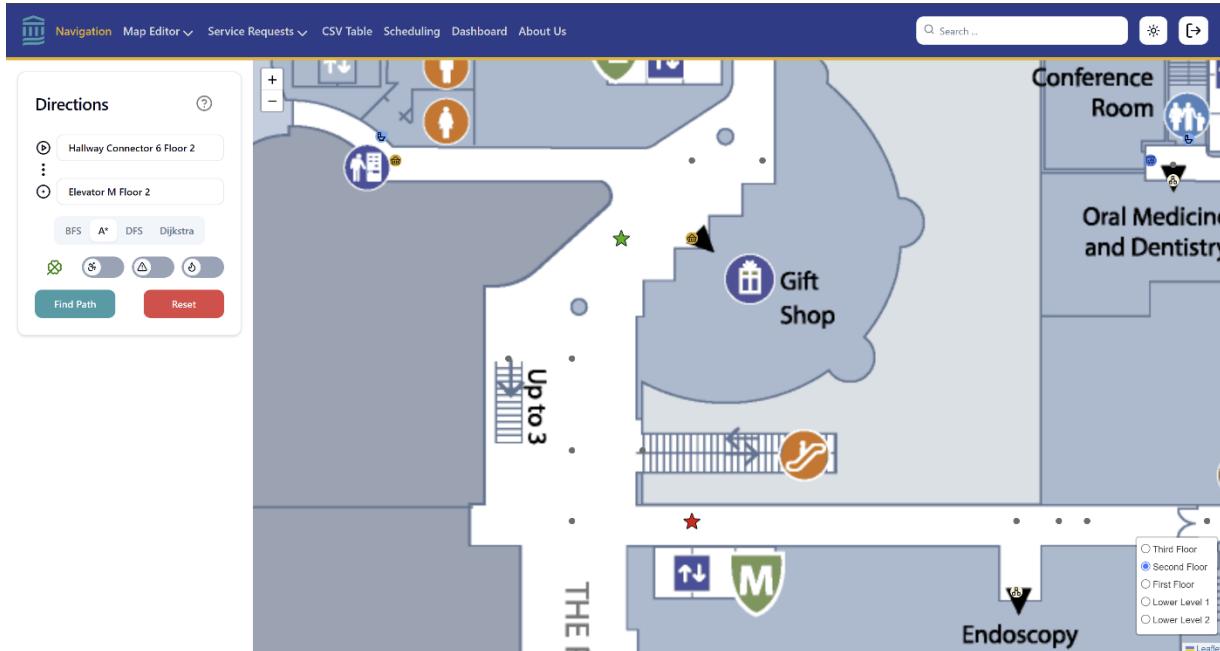
You can either:

1. Select the start and end locations from the dropdown menus **on the left side of the screen**.

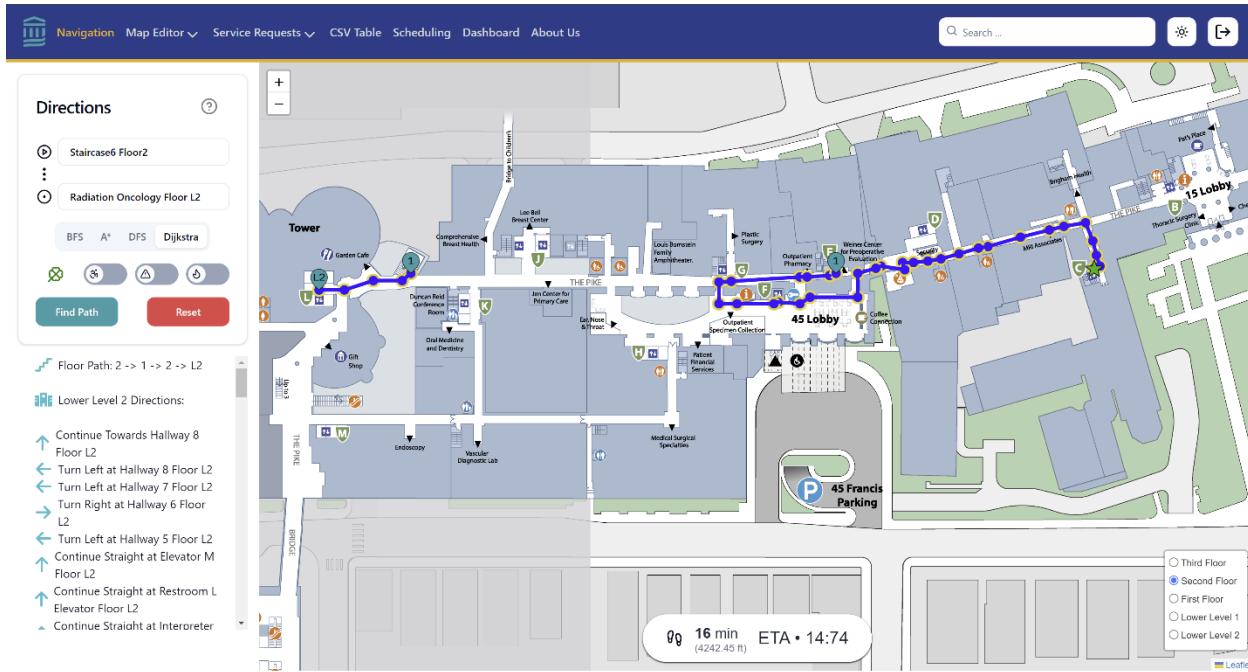


2. Click any **two markers on the map**. The first marker clicked sets the start location – the **green star**, and the second marker clicked sets the end location – the **red star**.

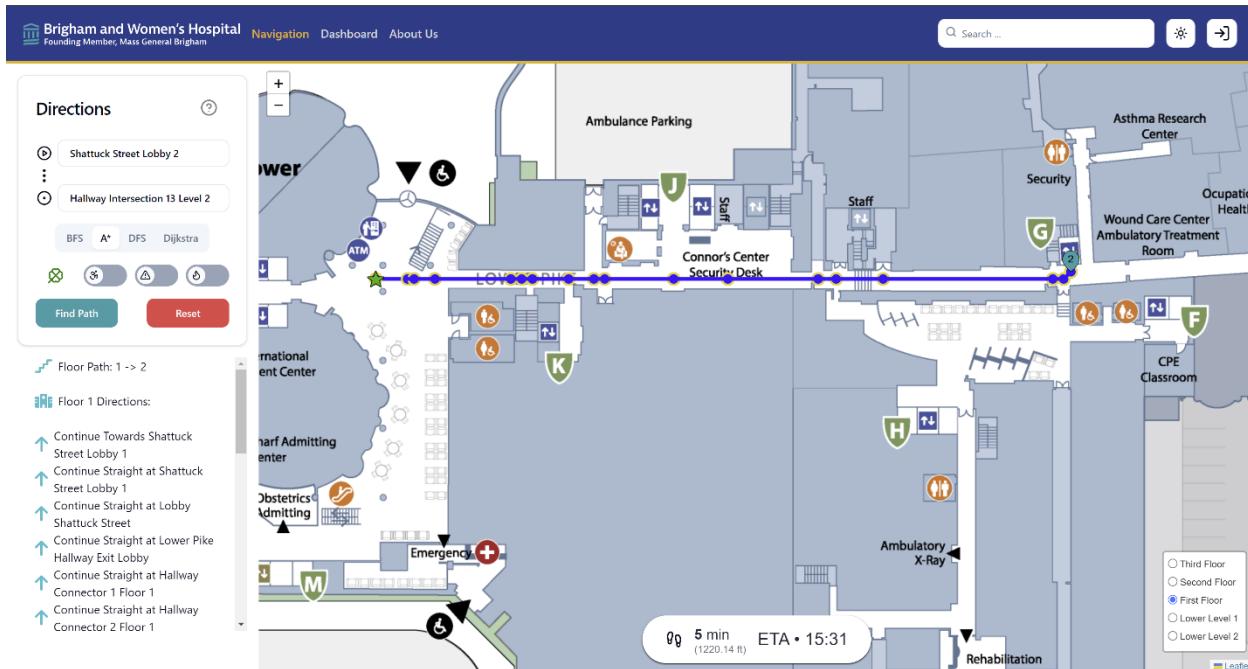
Clicking a marker also opens a popup with the location's name.



3. Click the green clover icon directly **above the “Find Path” button**. This will generate a random path using a random pathfinding algorithm.



For the first two options, you can select the search algorithm directly **below the dropdown menus**. Once a start location, end location, and search algorithm are selected, clicking “Find Path” will generate the path between the two locations.



Upon generating a path, all nodes (indicated by the dot markers) that are not included in the path will temporarily disappear. The nodes within the path are highlighted. If the path

spans between multiple floors, a marker will be added at the end of the current floor's path to indicate which floor it is going to. Clicking this marker will take you to the respective floor.

Additionally, the path's distance and an ETA will be shown **at the bottom of the screen**.

In the bottom left of the screen, text directions appear for the path. This contains the order in which floors are visited and separate text directions for each floor.

Clicking the red “Reset” button **in the location search bar** will erase the current path from the map as well as display any markers that were hidden when the path was generated.

Modifying the path

There are 3 separate modifications that alter pathfinding in a unique way. You can toggle on with the toggle switches **on the location search bar and above the “Find Path” button**. These toggle switches are shown below:



From the left to right, each switch changes the following:

- 1. Accessibility:** The generated path will avoid stairs

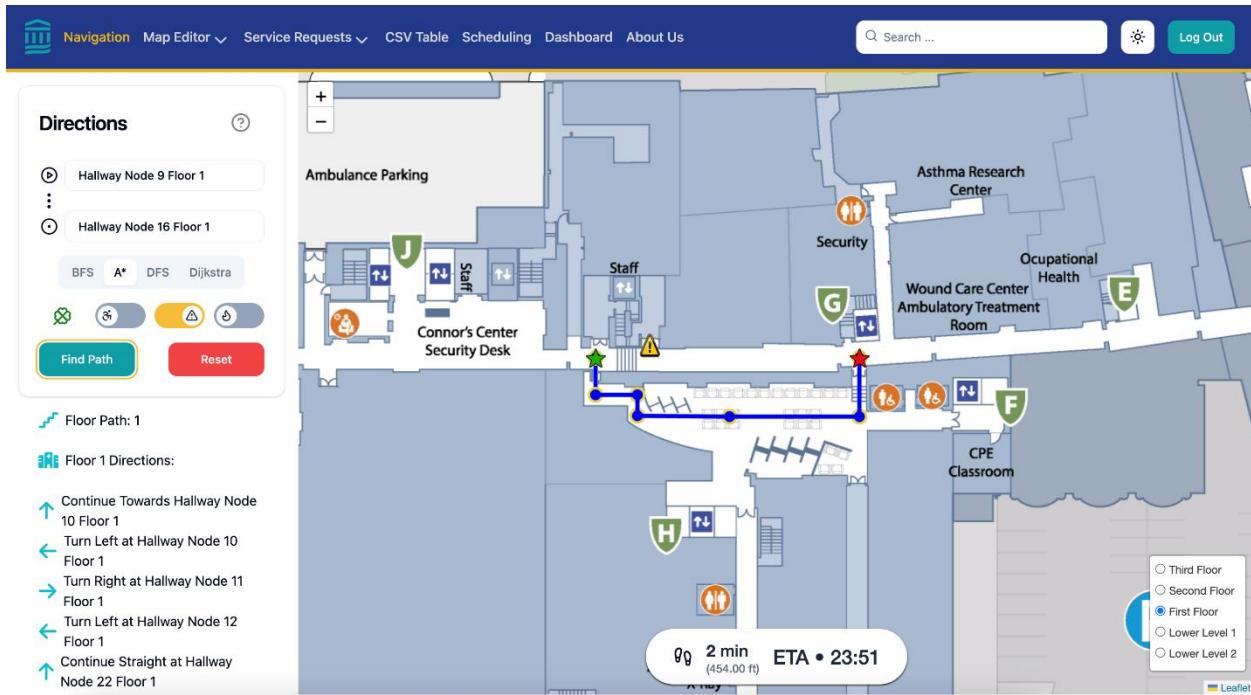
Floor Path: 1 → 2

Floor 1 Directions:

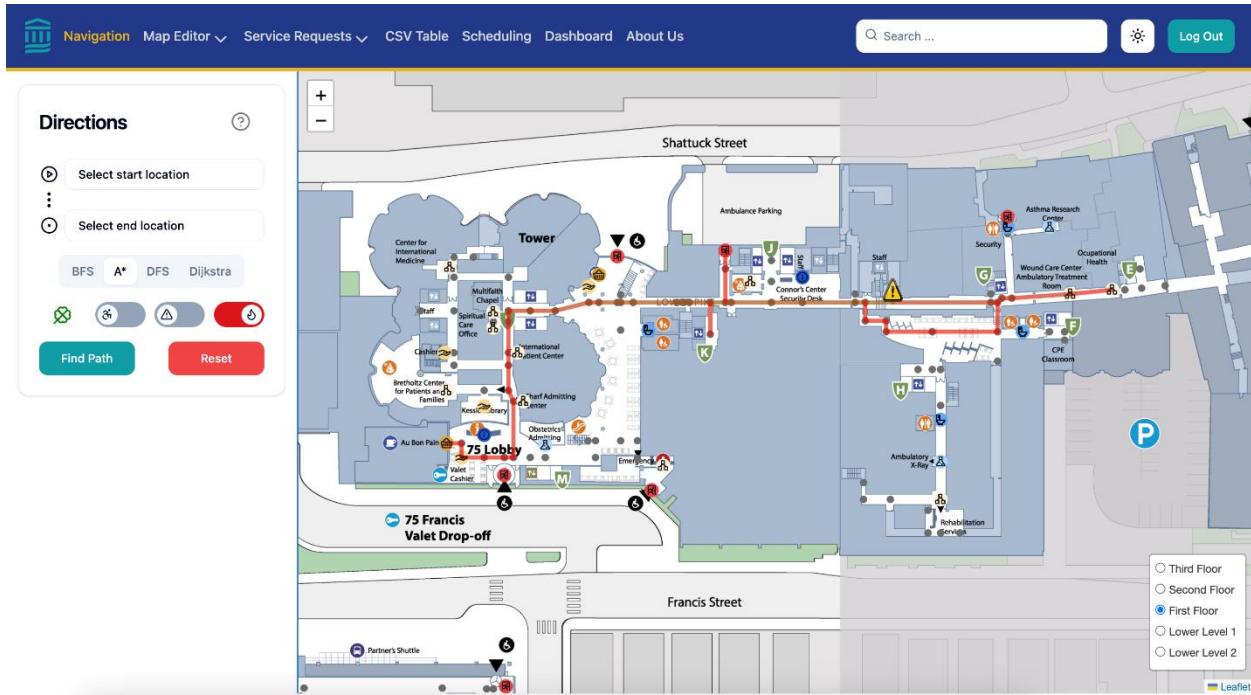
- Continue Towards Hallway Node 30 Floor 1
- Continue Straight at Hallway Node 30 Floor 1
- Turn Left at Rehabilitation Services Floor 1
- Continue Straight at Ambulatory

4 min (1037.51 ft) ETA • 18:16

2. Obstacles: The generated path will avoid any obstacles on the map



3. Heatmap: A heatmap of the hospital indicating the most traveled paths will display



Related information

[Map Editor \(on page 15\)](#)

[CVS Tables \(on page 36\)](#)

Map Editor

Edit the map through a table view tab and a map view tab.

Table View Tab

Clicking the Table View tab in the Map Editor dropdown will take you to this screen:

The screenshot shows the Map Editor interface with the 'Table View' tab selected. At the top, there is a navigation bar with links for Navigation, Map Editor (selected), Service Requests, CSV Table, Scheduling, Dashboard, and About Us. A search bar and a map view button are also present. Below the navigation bar are two tables.

Nodes Table:

ID	x-coord	y-coord	Floor	Building	Node Type	Long Name	Short Name	Edit
#BHALL02102	2841	1032	2	45 Francis	HALL	Hallway Intersection 21 Level 2	Hallway B2102	
#BHALL02802	3063	1043	2	45 Francis	HALL	Hallway Intersection 28 Level 2	Hallway B2802	
#AHALL00412	1698	2687	L2	BTM	HALL	Hall	Hall	
#ADEPT00101	1401	2628	1	BTM	DEPT	Neuroscience Waiting Room	Neuro Waiting Room	
#ADEPT00102	1395	2674	2	BTM	DEPT	Orthopedics and Rheumatology	Orthopedics and Rheumatology	
#ADEPT00201	1720	2847	1	BTM	DEPT	MS Waiting	MS Waiting	
#ADEPT00301	986	2852	1	BTM	DEPT	CART Waiting	CART Waiting	
#AELEV00501	1534	2777	1	BTM	ELEV	Elevator S 01	Elevator S 1	
#AELEV00502	1532	2777	2	BTM	ELEV	Elevator S 02	Elevator S 2	
#AELEV00503	1539	2773	3	BTM	ELEV	Elevator S Floor 3	Elevator S 3	

581 row(s). Rows per page: 10 Page 1 of 59

Edges Table:

ID	Start Node	End Node
#AHALL00202_AHALL00302	AHALL00302	AHALL00202
#AHALL00502_ADEPT00102	ADEPT00102	AHALL00502
#AHALL01001_ASTAI00101	AHALL01001	ASTAI00101
#AREST00103_AHALL00603	AREST00103	AHALL00603
#AHALL0102_AHALL00202	AHALL00202	AHALL0102
#AHALL00102_AHALL00602	AHALL00602	AHALL00102
#AHALL00303_ALABS00203	ALABS00203	AHALL00303
#AHALL00203_ALABS00103	ALABS00103	AHALL00203
#AHALL01001_AHALL00201	AHALL01001	AHALL00201
#AHALL00212_AEXIT001L2	AHALL00212	AEXIT001L2

684 row(s). Rows per page: 10 Page 1 of 69

Here you can find the table of all current nodes. Upon scrolling down, you can see the table of all current edges. Typing in the “Filter Name” field in either table allows you to filter

the items by name. Additionally, upon clicking the top of a column, you can hide it or sort it by ascending/descending order.

ID	x-coord	y-coord	Floor	Building	Node Type	Long Name	Short Name
#BHALL02102	2841	1032	2	45 Francis	HALL	Hallway Intersection 21 Level 2	Hallway B2102
#BHALL02802	3063	1043	2	45 Francis	HALL	Hallway Intersection 28 Level 2	Hallway B2802

Within the Table View, there are three actions for the nodes: edit, delete, and add.

To edit a node, follow these steps:

1. Click the cyan pencil button under the “Edit” column. You will then be allowed to change the coordinates of the node and the Long Name. Additionally, you can click the red trash can button to delete the node.

ID	x-coord	y-coord	Floor	Building	Node Type	Long Name	Short Name	Edit
#BHALL02102	2841	1032	2	45 Francis	HALL	Hallway Intersection 21 Level 2	Hallway B2102	 

2. Once you are finished, click the cyan checkmark button to save your changes.

To delete an edge, follow these steps:

1. Click the red “Delete Edge” button above the node table. You will then be prompted to select the Edge ID of the edge you wish to delete. Upon submitting, the edge will be deleted from the database.

ID	x-coord	y-coord	Floor	Building	Node Type	Long Name	Short Name	Edit
#BHALL02102	2841	1032	2	45 Francis	HALL	Hallway Intersection 21 Level 2	Hallway B2102	 
#BHALL02802	3063	1043						
4AHALL00412	1698	2687						
#ADEPT00101	1401	2628	1	BTM	DEPT	Neuroscience Waiting Room	Neuro Waiting Room	
#ADEPT00102	1395	2674	2	BTM	DEPT	Orthopedics and Rheumatology	Orthopedics and Rheumatology	
#ADEPT00201	1720	2847	1	BTM	DEPT	MS Waiting	MS Waiting	
#ADEPT00301	986	2852	1	BTM	DEPT	CART Waiting	CART Waiting	
#AELEV00501	1534	2777	1	BTM	ELEV	Elevator S 01	Elevator S 1	

To add a node and its edge, follow these steps:

1. Click the cyan “Add Node” button above the node table. You will then be prompted to enter the NodeID, coordinates, Floor, Building, Node Type, Long Name, and Short Name of the node. Upon submission, the node will be added to the database.

The screenshot shows the Map Editor interface with a modal dialog box for adding a new node. The dialog fields include:

- NodeID:** #BHALL02602
- Xcoord:** 3296
- ycoord:** 945
- Floor:** 2
- Building:** Select building
- NodeType:** Select nodeType
- LongName:** longName
- ShortName:** shortName

A "Submit" button is at the bottom of the dialog. In the background, a table lists existing nodes with columns: ID, x-coord, y-coord, Floor, Building, Long Name, Short Name, and Edit. Some rows have a "Hallway" prefix in the Long Name column.

2. Click the cyan “Add Edge” button above the node table. You will then be prompted to enter the Start Node ID and End Node ID of the edge. Upon submission, the edge will be added to the database.

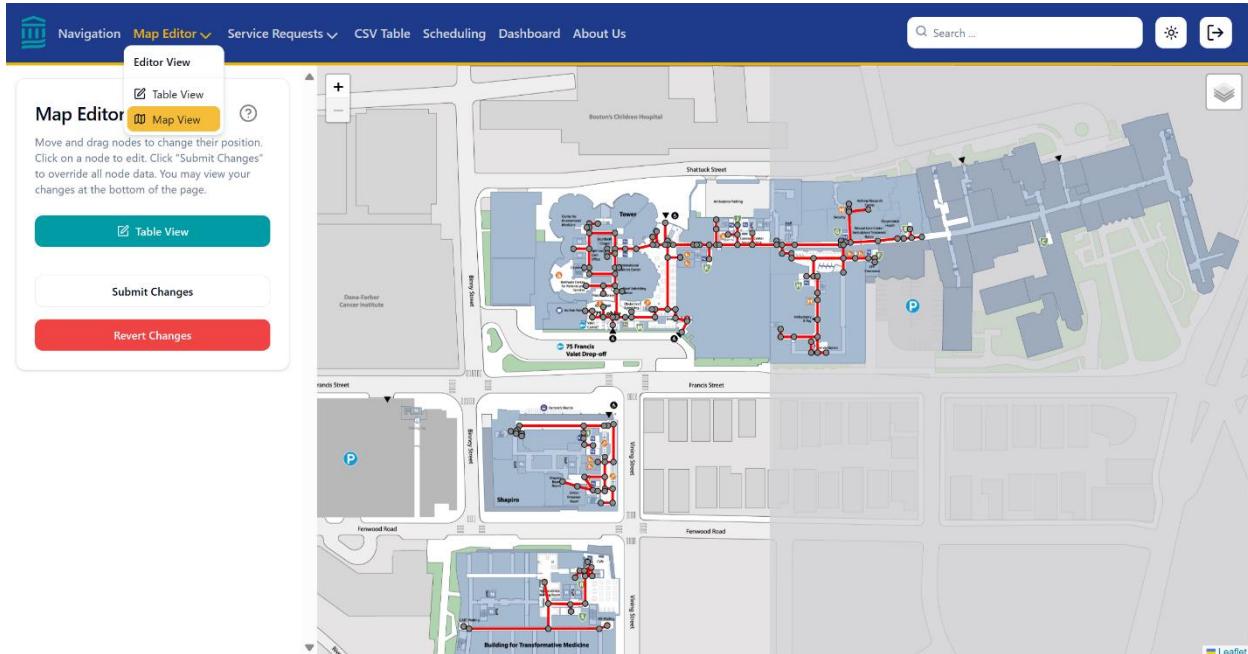
The screenshot shows the Map Editor interface with a modal dialog box for adding a new edge. The dialog fields include:

- StartNodeID:** Select startNodeID
- EndNodeID:** Select endNodeID

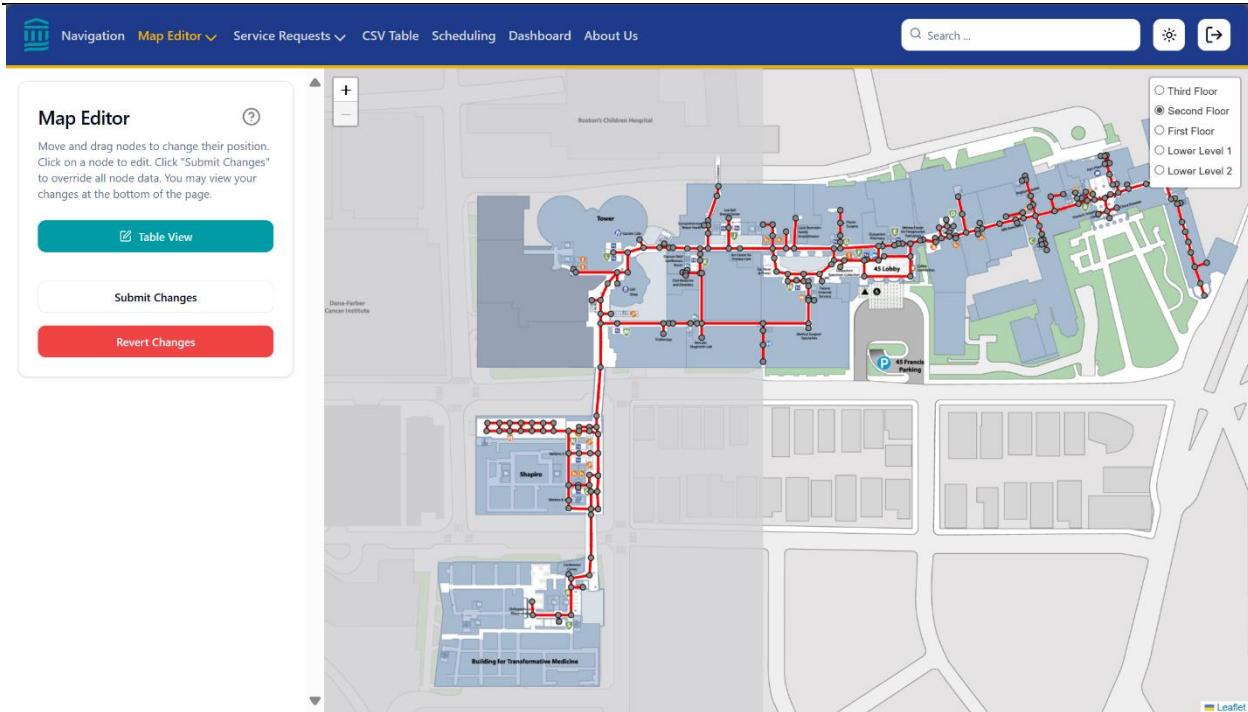
A "Submit" button is at the bottom of the dialog. In the background, a table lists existing nodes with columns: ID, x-coord, y-coord, Floor, Building, Node Type, Long Name, Short Name, and Edit. Some rows have a "Hallway" prefix in the Long Name column.

Map View Tab

Clicking on the “Map View” tab will bring you to this page:



To change floors, hover over the icon in the top right corner and select the floor you would like to go to. Clicking the “Table View” button **on the left bar** will take you back to the map editor table page.



Within this page, you start an editing session. You may only edit the nodes on the map.

To edit a node:

1. Click on a node to show the information of that node **on the left side of the screen**.

The screenshot shows a map editor interface. On the left, a sidebar titled "Node Information" displays details for a node with ID FEXIT00301. The node is identified as the "Emergency Department Entrance". It has a "ShortName" of "Emergency Entrance", is located on "Floor 1" of the "Tower" building, and is categorized as an "EXIT" node type. Its coordinates are listed as Xcoord: 2099 and Ycoord: 1357. A note at the bottom of the sidebar states: "Edited nodes are not finalized until you submit all changes." At the bottom of the sidebar are two buttons: "Cancel" and "Finalize". The main area of the screen is a map of a hospital campus. A red line highlights the path from the "Emergency Department Entrance" node to another node, which is currently being edited. A tooltip for this second node shows its coordinates: Latitude: 2099, Longitude: 1357. The map includes labels for various buildings like "Dana Farber Cancer Institute", "Shattuck Street", "Francis Street", and "Fenwood Road". There are also icons for parking (P) and accessible entrances.

2. Edit the name of the node or the X and Y coordinates. You may also graphically edit the nodes' position by dragging the nodes to the desired position with your mouse.
3. Either click on the "Cancel" button to undo your changes or click the "Finalize" button to finalize your changes. The new value(s) will be reflected on the map and in the node popup.

After finalizing that node, you will be able to see a new "History" section in the sidebar under the **"Map Editor"** section.



History

These are the changes you have made so far.

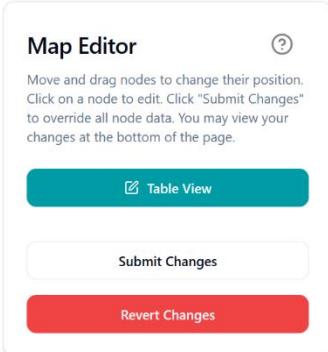
Node ID: FEXIT00301

ycoord:
Old Value: 1357,
New Value: 1353

Displayed on the card are the changes made. If you edit more than one node, those changes will also appear here. For each node, the following fields are:

- Node ID
- Old value(s)
- New value(s)

Once satisfied with the changes made, you may click the “Submit Changes” button to override your changes to the database.



 **Note:** Your changes will not be reflected in the database if you have not clicked the “Submit Changes” button. If you would like to revert your changes, clicking the “Revert Changes” button will set the nodes back to the last instance of the submit button click.

Related information

[Navigation \(on page 9\)](#)

[CVS Tables \(on page 36\)](#)

Service Requests

Services provided at the hospital.

Flowers

Flowers and gifts can be bought and delivered by request.

Clicking the Service Request tab **in the Service Request dropdown** will take you to the flower request page:

The screenshot shows a web-based service request interface for flowers. At the top, there's a navigation bar with links like 'Navigation', 'Map Editor', 'Service Requests' (which is highlighted), 'CSV Table', 'Scheduling', 'Dashboard', and 'About Us'. A search bar and a 'Log Out' button are also present. Below the navigation, a sub-menu bar includes 'Flower Request', 'Medication Request', 'Patient Transport Request', 'Sanitation Request', 'Security Request', and 'Maintenance Request'. The main content area is titled 'Flower Request' and features a banner with a photo of flowers and the text 'Send a loved one a special gift'. It displays five flower arrangements: 'Orange Tulips' (on sale for \$13.29), 'Gift of Love' (\$39.99), 'Sugar Flower Combo' (\$34.99), 'Pink Tulips' (on sale for \$20.15), and 'Rainbow' (partially visible). Each item has an 'Add to cart' button. Below this, there's a section for 'Add-ons' with several small images of additional items. A date stamp 'Monday, April 29, 2024' is visible in the bottom right corner.

Create a flower request which will then be stored in the backend database in a schema of the same name.

Here you can view all currently available flowers and add-ons as well as which items are on sale.

To buy flowers, follow these steps:

1. Click the “Add to cart” button on your desired item. The item will be added to the cart, and a notification will pop up **at the bottom of the screen** containing the option to undo.
2. If you wish to unadd the item, click on the “Undo” button and the item will be removed from the cart.

The screenshot shows a web application interface for a flower delivery service. At the top, there's a navigation bar with links like 'Navigation', 'Map Editor', 'Service Requests', 'CSV Table', 'Scheduling', 'Dashboard', and 'About Us'. On the right side of the header are search, settings, and log-out buttons. Below the header, a breadcrumb menu includes 'Flower Request', 'Medication Request', 'Patient Transport Request', 'Sanitation Request', 'Security Request', and 'Maintenance Request'. A question mark icon is also present.

The main content area features a banner for 'Flower Request' by Mina Boltor & Alexander Kraemling, with the tagline 'Send a loved one a special gift'. To the right of the banner is a 'Cart' button. Below the banner, five flower arrangements are displayed in cards, each with a 'SALE 30% Discount' badge:

- Orange Tulips**: \$13.29 (Add to cart)
- Gift of Love**: \$39.99 (Add to cart)
- Sugar Flower Combo**: \$34.99 (Add to cart)
- Pink Tulips**: \$20.15 (Add to cart)
- Rainbow**: \$42.25 (Add to cart)

Below these cards is a section titled 'Add-ons' with the sub-instruction 'Give something a little more'. There are four small images representing add-ons: a small potted plant, a small bouquet, a small candle, and a small gift bag. To the right of these images is a message: 'You added Sugar Flower Combo to cart! Would you like to undo?' with a 'Undo' button.

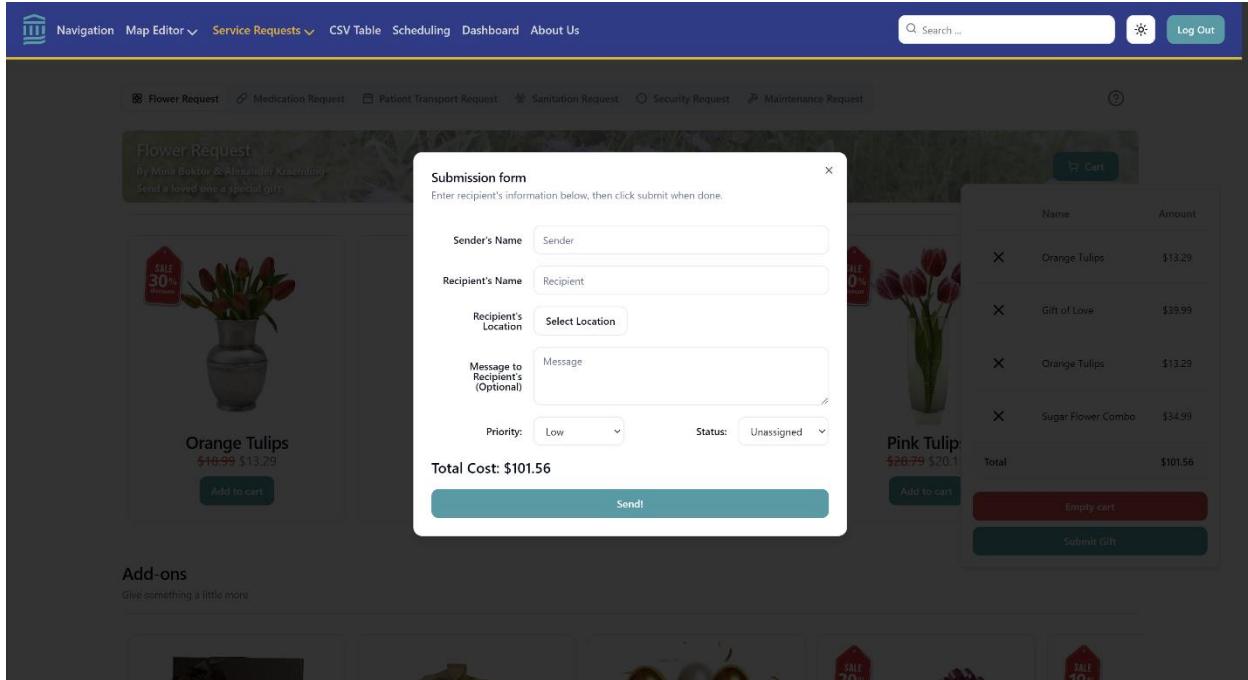
- Once the desired items are added to the cart, you click the cyan “Cart” button to view which items have been added and their respective prices.
- If you wish to empty the cart, you can do so by clicking the red “Empty cart” button. To remove a particular item from the cart, you can click the “X” symbol **next to the item’s name on the left**.

This screenshot shows the same flower delivery service interface after items have been added to the cart. The cart summary is displayed on the right side of the page, listing the following items:

Name	Amount
Orange Tulips	\$13.29
Gift of Love	\$39.99
Orange Tulips	\$13.29
Sugar Flower Combo	\$34.99
Total	\$101.56

Below the cart summary are two buttons: 'Empty cart' (red) and 'Submit Gift' (cyan). The rest of the page layout is identical to the first screenshot, including the banner, flower cards, and add-on options.

5. Once you are satisfied with your desired items, click the “Submit Gift” button to continue. Clicking the cyan “Submit Gift” button will take you to this screen:



Here you will find six fields to fill out:

Field	Description
Sender's Name:	The name of the person submitting the request
Recipient's Name:	The name of the request's receiver
Recipient's Location:	The room in which the receiver is currently staying
Message to Recipient:	An optional field to send a message to the receiver
Priority:	A dropdown indicating the priority of an employee with the options below: <ul style="list-style-type: none"> • Low, Medium, High, Emergency
Status:	A dropdown indicating the status of an employee on a task <ul style="list-style-type: none"> • Unassigned: An employee has yet to be assigned • Assigned: An employee is assigned but not started • In Progress: An employee is currently being worked on • Closed: The request has been completed or canceled

Upon clicking the cyan “Send” button, the request will be submitted to the database.

Related information

[Service Requests \(on page 21\)](#)

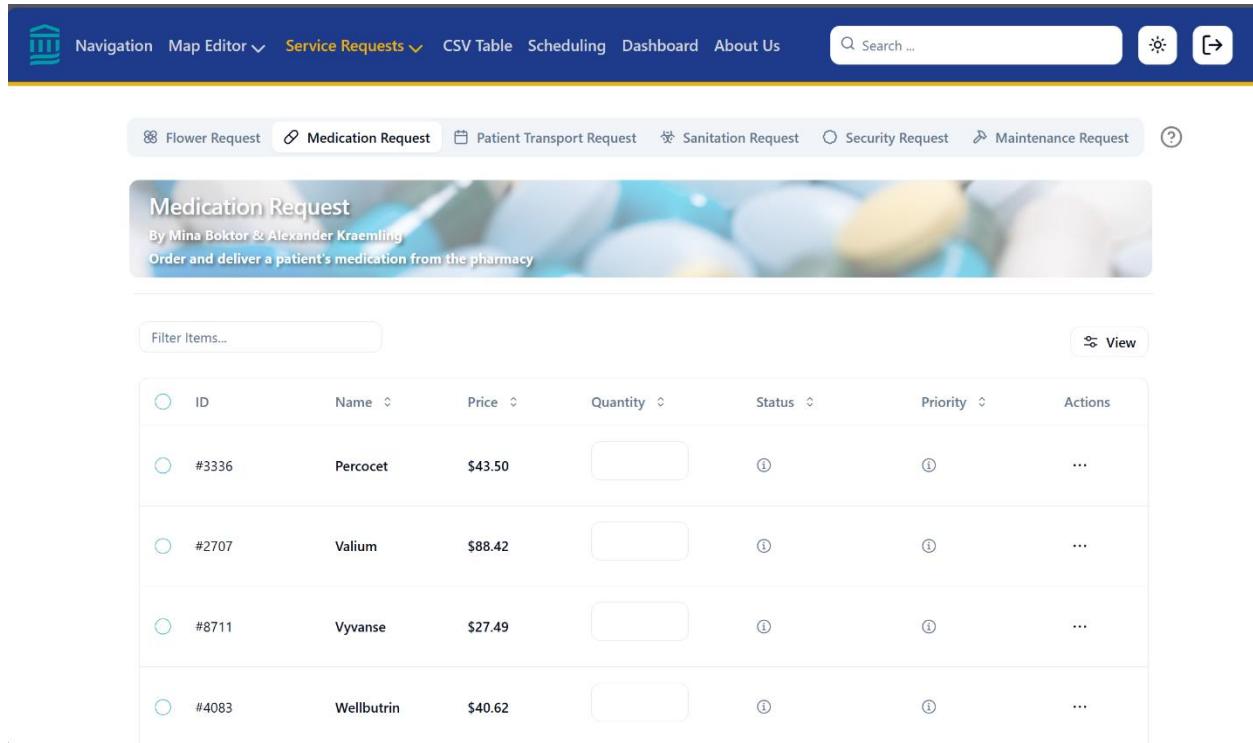
[Request Logs \(on page 33\)](#)

[Request Insights \(on page 35\)](#)

Medication

Medications can be bought and delivered by request.

Clicking the Medication Request tab on the Service Requests tab **under the header** will bring you to this screen:



The screenshot shows a web-based application interface for managing service requests. At the top, there is a blue header bar with various navigation links: Navigation, Map Editor, Service Requests (with a dropdown arrow), CSV Table, Scheduling, Dashboard, and About Us. To the right of these links is a search bar containing the placeholder "Search ...". Further to the right are icons for brightness and a refresh button.

Below the header, a secondary navigation bar contains links for Flower Request, Medication Request (which is highlighted in blue), Patient Transport Request, Sanitation Request, Security Request, Maintenance Request, and a question mark icon.

The main content area is titled "Medication Request" and features a sub-header "By Mina Boktor & Alexander Kraemling". Below this, a descriptive text reads "Order and deliver a patient's medication from the pharmacy".

A "Filter Items..." search bar is located at the top left of a table. To its right is a "View" button with a magnifying glass icon. The table itself has columns labeled ID, Name, Price, Quantity, Status, Priority, and Actions. It lists five medications:

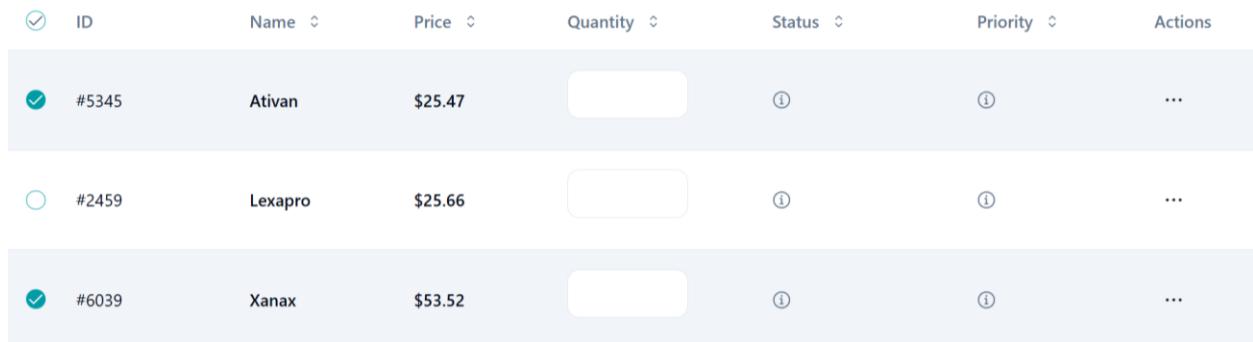
ID	Name	Price	Quantity	Status	Priority	Actions
#3336	Percocet	\$43.50	[Input Field]	[Info Icon]	[Info Icon]	[More Options]
#2707	Valium	\$88.42	[Input Field]	[Info Icon]	[Info Icon]	[More Options]
#8711	Vyvanse	\$27.49	[Input Field]	[Info Icon]	[Info Icon]	[More Options]
#4083	Wellbutrin	\$40.62	[Input Field]	[Info Icon]	[Info Icon]	[More Options]

Create a medication request which will then be stored in the backend database in a schema of the same name.

The medications available are listed with their ID, name, and price per pill. Medications can be searched through the “Filter Items...” search bar by name.

To make a medication request, follow these steps:

1. Click the selection button **on the left** and select the medications needed.



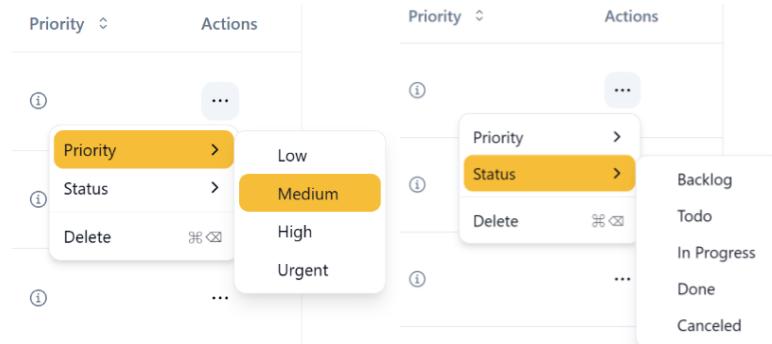
This screenshot shows the same Medication Request screen as above, but with three medications selected. The selection is indicated by a checked checkbox in the "Actions" column for each row. The table structure is identical to the one in the previous screenshot.

ID	Name	Price	Quantity	Status	Priority	Actions
#5345	Ativan	\$25.47	[Input Field]	[Info Icon]	[Info Icon]	[More Options]
#2459	Lexapro	\$25.66	[Input Field]	[Info Icon]	[Info Icon]	[More Options]
#6039	Xanax	\$53.52	[Input Field]	[Info Icon]	[Info Icon]	[More Options]

2. Adjust the quantity of the medication in the “Quantity” column. The current medication being adjusted is highlighted in yellow.

ID	Name	Price	Quantity	Status	Priority	Actions
#5345	Ativan	\$25.47	2	(i)	(i)	...
#2459	Lexapro	\$25.66		(i)	(i)	...
#6039	Xanax	\$53.52	3	(i)	(i)	...

3. Select the status and priority of each request by clicking **on ellipses under the “Action” column**. Be sure to set both priority and status for each medication selected. You can set both by hovering over each as shown below:



Priority and status are as follows:

Field	Description
Priority:	A dropdown indicating the priority of an employee with the options below: <ul style="list-style-type: none"> Low, Medium, High, Emergency
Status:	A dropdown indicating the status of an employee on a task <ul style="list-style-type: none"> Backlog: An employee has yet to be assigned Todo: An employee is assigned but not started In Progress: An employee is currently being worked on Done: The request has been completed Canceled: The request has been canceled

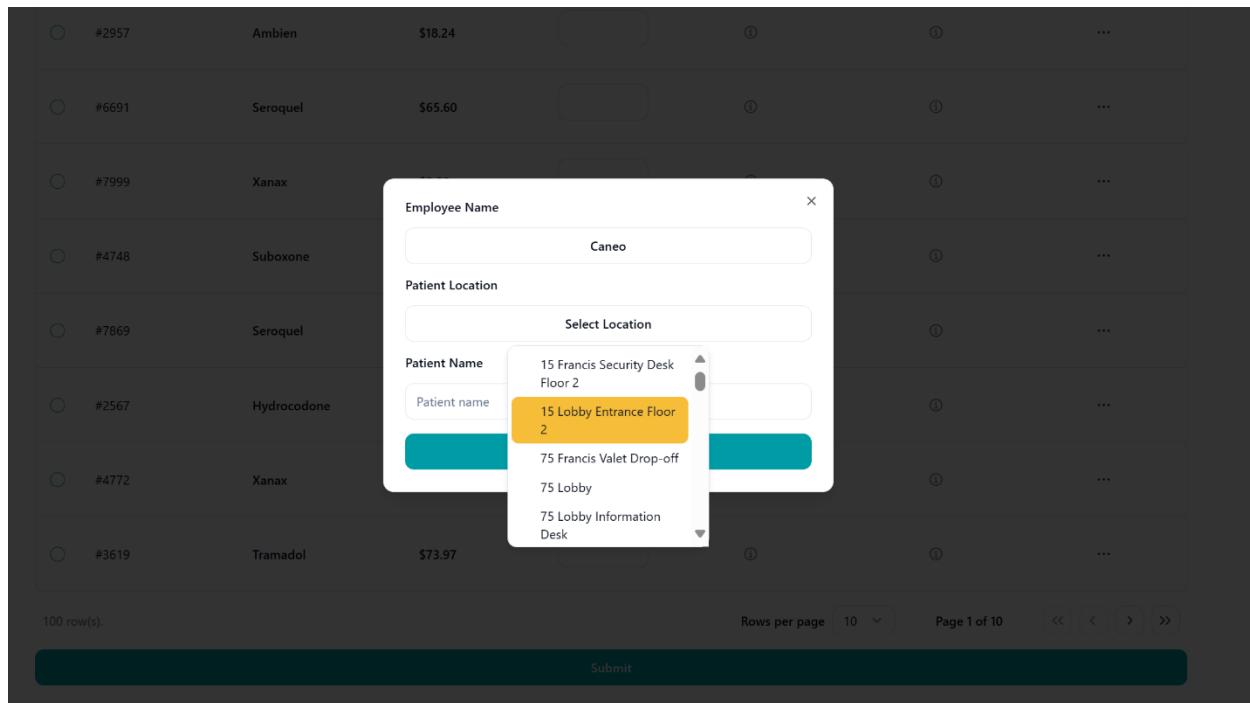
4. Once completed, **scroll to the bottom of the page** and press the submit button.

#6419	Suboxone	\$33.23		(i)	(i)	...
-------	----------	---------	--	-----	-----	-----

99 row(s). Rows per page: 10 << < > >>

Submit

- Once pressed, you will be prompted to fill in the employee's name, the patient's location, and the patient's name. You can select the employee and the location through a dropdown menu.



- Press the submit button **at the bottom of the dialog** to finalize and submit the form.

Related information

[Service Requests \(on page 21\)](#)

[Request Logs \(on page 33\)](#)

[Request Insights \(on page 35\)](#)

Internal Patient Transportation

Patients can be moved throughout the hospital by request.

Clicking the Patient Transport Request tab on the Service Request page **under the header** will bring you to this screen:

The screenshot shows a web-based service request interface. At the top, there's a navigation bar with links like 'Navigation', 'Map Editor', 'Service Requests', 'CSV Table', 'Scheduling', 'Dashboard', and 'About Us'. On the right of the nav bar are search, log out, and other user icons. Below the nav bar, a breadcrumb trail shows 'Flower Request', 'Medication Request', 'Patient Transport Request', 'Sanitation Request', 'Security Request', and 'Maintenance Request'. A question mark icon is also present.

The main content area has a title 'Internal Patient Transport' with a sub-note 'By Trang Tran & Phong Cao' and a button 'Move patients to a different room'. The form itself has sections for 'Patient Name' (with a placeholder 'Enter The Patient's Name Here'), 'Priority Level' (radio buttons for Low, Medium, High, Emergency), 'Location' (dropdowns for 'From' and 'To' with 'Select Location' buttons), 'Employee Name' (dropdown with 'Select Your Name' placeholder), 'Status' (dropdown with Unassigned, Assigned, InProgress, Closed options), 'Reason' (text input placeholder 'Enter Reason Here'), 'Note' (text input placeholder 'Type your description here.'), and 'Time' (dropdown with a placeholder 'Select Time').

A modal window titled 'Pick a Date' is open, showing a calendar for April 2024. The date April 29th is highlighted in blue. Below the calendar, a message says 'You picked April 29th, 2024'. Buttons for 'Clear' and 'Submit' are visible at the bottom of the form.

Create an internal patient transport request which will then be stored in the backend database in a schema of the same name.

To submit a request, follow these steps:

1. Fill in the nine required fields: Here you can submit a request for Internal Patient Transport to the database. The nine fields include:

Field	Description
Patient Name:	The name of the patient receiving transportation
Priority:	A dropdown indicating the priority of an employee with the options below: <ul style="list-style-type: none"> • Low, Medium, High, Emergency
Location:	The patient's current location and the location they are being transported to
Employee Name:	The name of the employee submitting the request
Time:	The time at which the request is to be fulfilled
Status:	A dropdown indicating the status of an employee on a task <ul style="list-style-type: none"> • Unassigned: An employee has yet to be assigned • Assigned: An employee is assigned but not started • In Progress: An employee is currently being worked on • Closed: The request has been completed or canceled
Reason:	The reason for patient transportation
Note:	Any additional relevant information

 **Note:** The “Submit” button is originally in its “ghost” form, indicating that clicking it does nothing. This is because there are required fields on the form that have not been filled out. All fields are mandatory except for the “Additional Comments” field.

- Once all other fields are filled out, the submit button changes to cyan. Clicking “Submit” will submit the request to the database.

Related information

[Service Requests \(on page 21\)](#)

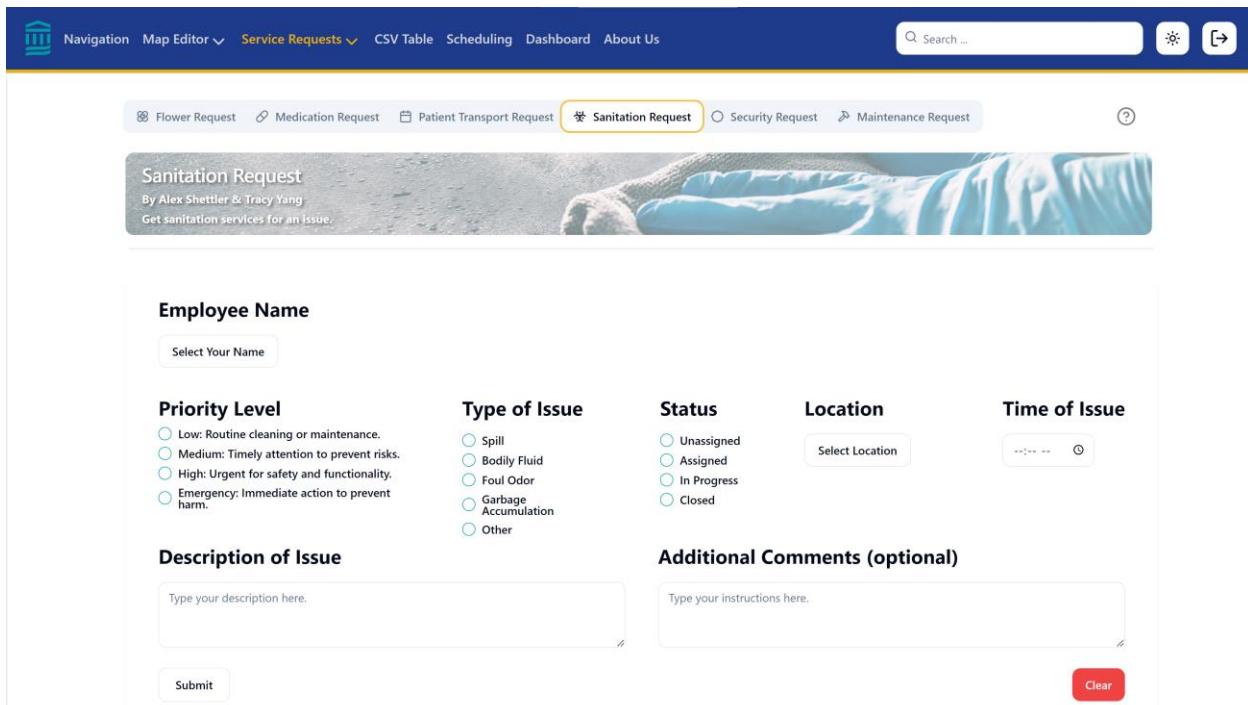
[Request Logs \(on page 33\)](#)

[Request Insights \(on page 35\)](#)

Sanitation

Rooms can be cleaned by request.

Clicking the Sanitation tab on the Service Request page will bring you to this screen:



The screenshot shows a web-based service request interface. At the top, there's a navigation bar with links for Navigation, Map Editor, Service Requests (selected), CSV Table, Scheduling, Dashboard, and About Us. A search bar and some icons are also at the top. Below the navigation, a sub-navigation bar includes links for Flower Request, Medication Request, Patient Transport Request, Sanitation Request (selected), Security Request, Maintenance Request, and a help icon. The main content area has a header "Sanitation Request" with a sub-header "By Alex Shettler & Tracy Yang" and a sub-instruction "Get sanitation services for an issue." Below this is a large image of a person's hands wearing blue gloves. The form fields include:

- Employee Name:** A dropdown menu labeled "Select Your Name".
- Priority Level:** A dropdown menu with options: Low: Routine cleaning or maintenance., Medium: Timely attention to prevent risks., High: Urgent for safety and functionality., Emergency: Immediate action to prevent harm..
- Type of Issue:** A dropdown menu with options: Spill, Bodily Fluid, Foul Odor, Garbage Accumulation, Other.
- Status:** A dropdown menu with options: Unassigned, Assigned, In Progress, Closed.
- Location:** A dropdown menu labeled "Select Location".
- Time of Issue:** A dropdown menu with options: +-+-+ +-+.
- Description of Issue:** A text input field with placeholder text "Type your description here."
- Additional Comments (optional):** A text input field with placeholder text "Type your instructions here."

At the bottom of the form are two buttons: "Submit" and "Clear".

Create a sanitation request which will then be stored in the backend database in a schema of the same name.

To submit a request, follow these steps:

1. Fill in the nine required fields: Here you can submit a request for Internal Patient Transport to the database. The nine fields include:

Field	Description
Employee Name:	The name of the employee submitting the request
Location:	The location of the incident
Time of Issue:	The time at which the request is to be fulfilled
Type of Issue:	The type of sanitation issue <ul style="list-style-type: none">• Spill, Bodily Fluid, Foul Odor, Garbage Accumulation, Other
Status:	A dropdown indicating the status of an employee on a task <ul style="list-style-type: none">• Unassigned: An employee has yet to be assigned• Assigned: An employee is assigned but not started• In Progress: An employee is currently being worked on• Closed: The request has been completed or canceled
Priority:	A dropdown indicating the priority of an employee with the options below: <ul style="list-style-type: none">• Low: Routine cleaning or maintenance.• Medium: Timely attention to prevent risks.• High: Urgent for safety and functionality.• Emergency: Immediate action to prevent harm.
Description	A short description of what happened and why you're making the request
Additional Comments:	An optional field where you can submit any further information not covered by the other fields



Note: The “Submit” button is originally in its “ghost” form, indicating that clicking it does nothing. This is because there are required fields on the form that have not been filled out. All fields are mandatory except for the “Additional Comments” field.

1. Once all other fields are filled out, the submit button changes to cyan. Clicking “Submit” will submit the request to the database. The clear button will clear all the fields and/or reset them to their default values.

Related information

[Service Requests \(on page 21\)](#)

[Request Logs \(on page 33\)](#)

[Request Insights \(on page 35\)](#)

Security

Security can be called for by request.

Clicking the Security tab on the Service Request page will bring you to this screen:

The screenshot shows a web-based service request interface. At the top, there's a navigation bar with links like 'Navigation', 'Map Editor', 'Service Requests' (which is highlighted in yellow), 'CSV Table', 'Scheduling', 'Dashboard', and 'About Us'. A search bar and some icons are also at the top right. Below the navigation, there's a secondary header with links for 'Flower Request', 'Medication Request', 'Patient Transport Request', 'Sanitation Request', 'Security Request' (which is highlighted in orange), and 'Maintenance Request'. A question mark icon is also present. The main content area has a title 'Security Request' with a subtitle 'By Owen Lacey & June Whittall' and a note 'Request Security services and optionally call 911.' There are three main sections: 'Employee Name' (with a 'Select Employee' button), 'Request Status' (radio buttons for 'Unassigned', 'Assigned', 'In Progress', and 'Closed', where 'Unassigned' is selected), 'Location' (with a 'Select Location' button), 'Request Priority' (radio buttons for 'Low', 'Medium', 'High', and 'Emergency', where 'Low' is selected), and 'Description of Issue' (a text input field with placeholder 'Type your description here.', a 'Submit' button, and a 'Clear' button). The background features a blurred image of a control room or monitoring station.

Create a security request which will then be stored in the backend database in a schema of the same name.

To submit a request, follow these steps:

1. Fill in the five required fields:

Field	Description
Employee Name:	The name of the employee submitting the request
Status:	A dropdown indicating the status of an employee on a task <ul style="list-style-type: none">• Unassigned: An employee has yet to be assigned• Assigned: An employee is assigned but not started• In Progress: An employee is currently being worked on• Closed: The request has been completed or canceled
Location:	The location of the incident
Priority:	A dropdown indicating the priority of an employee with the options below: <ul style="list-style-type: none">• Low, Medium, High, Emergency
Description	Write out a short description of the issue to communicate further detail



Note: The “Submit” button is originally in its “ghost” form, indicating that clicking it does nothing. This is because there are required fields on the form that have not been filled out.

2. Once all other fields are filled out, the submit button changes to cyan. Clicking “Submit” will submit the request to the database. The clear button will clear all the fields and/or reset them to their default values.

Related information

[Service Requests \(on page 21\)](#)

[Request Logs \(on page 33\)](#)

[Request Insights \(on page 35\)](#)

Maintenance

Maintenance can be called for by request.

Clicking the “Maintenance Request” tab on the Service Request dropdown **under the header** will bring you to this screen:

The screenshot shows a web-based application for reporting maintenance requests. At the top, there's a dark blue header bar with various navigation links like 'Navigation', 'Map Editor', 'Service Requests', 'CSV Table', 'Scheduling', 'DashBoard', and 'About Us'. To the right of the header are search, help, and log-out buttons. Below the header is a sub-navigation bar with tabs for 'Flower Request', 'Medication Request', 'Patient Transport Request', 'Sanitation Request', 'Security Request', and 'Maintenance Request'. The 'Maintenance Request' tab is currently active, showing a thumbnail image of a person working on electrical wiring. The main form area has several input fields: 'Employee Name' (with a dropdown placeholder 'Select Your Name'), 'Severity Level' (radio buttons for Low, Medium, High, and Emergency), 'Type of Issue' (checkboxes for Broken Equipment, Power Issue, Plumbing Issue, Elevator Issue, and Other), 'Status' (checkboxes for Unassigned, Assigned, In Progress, and Closed), 'Location' (dropdown placeholder 'Select Location'), and a large text area for 'Description of Issue' with placeholder text 'Type your description here.' At the bottom of the form are 'Submit' and 'Clear' buttons.

Create a maintenance request which will then be stored in the backend database in a schema of the same name.

To submit a request, follow these steps:

1. Fill in the six required fields:

Field	Description
Employee Name:	The name of the employee submitting the request
Status:	A dropdown indicating the status of an employee on a task <ul style="list-style-type: none">• Unassigned: An employee has yet to be assigned• Assigned: An employee is assigned but not started• In Progress: An employee is currently being worked on• Closed: The request has been completed or canceled
Type of Issue:	The type of sanitation issue <ul style="list-style-type: none">• Broken Equipment, Power Issue, Plumbing Issue, Elevator Issue, or Other
Location:	The location of the incident
Priority:	A dropdown indicating the priority of an employee with the options below: <ul style="list-style-type: none">• Low, Medium, High, Emergency
Description	Write out a short description of the issue to communicate further detail



Note: The “Submit” button is originally in its “ghost” form, indicating that clicking it does nothing. This is because there are required fields on the form that have not been filled out.

2. Once all other fields are filled out, the submit button changes to cyan. Clicking “Submit” will submit the request to the database. The clear button will clear all the fields and/or reset them to their default values.

Related information

[Service Requests \(on page 21\)](#)

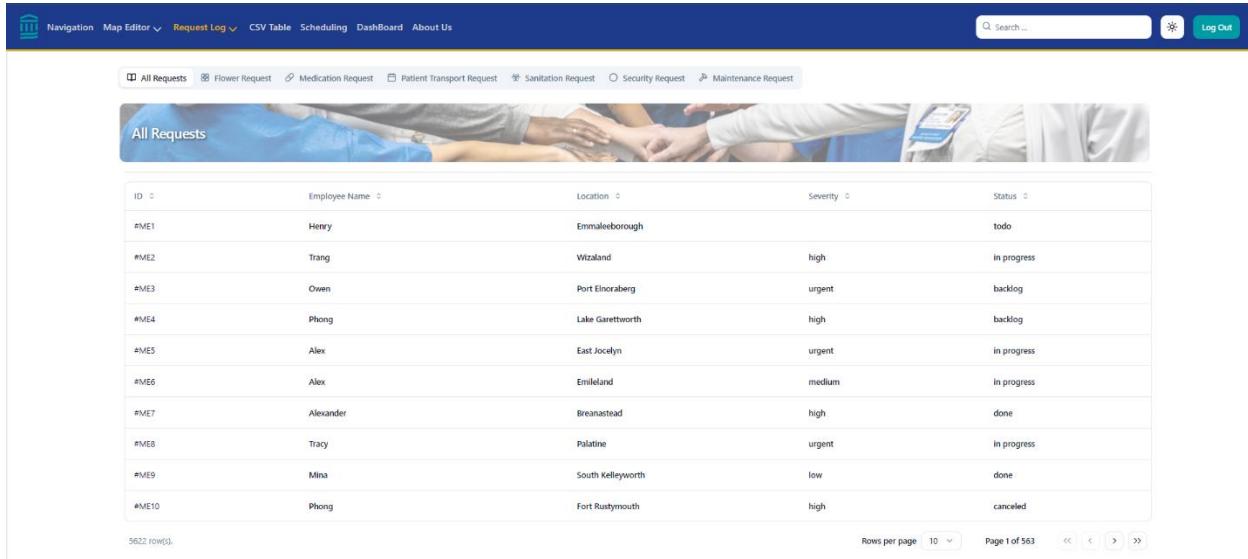
[Request Logs \(on page 33\)](#)

[Request Insights \(on page 35\)](#)

Service Request Logs

Requests logs can be tracked and documented.

Clicking the Request Logs tab in the Service Request dropdown will bring you to the Service Request Log page:



The screenshot shows a web-based application interface for managing service requests. At the top, there is a navigation bar with links: Navigation, Map Editor, Request Log (which is currently selected), CSV Table, Scheduling, Dashboard, and About Us. To the right of the navigation is a search bar with placeholder text "Search..." and a "Log Out" button. Below the navigation is a header bar with several small icons and labels: All Requests, Flower Request, Medication Request, Patient Transport Request, Sanitation Request, Security Request, and Maintenance Request. The main content area is titled "All Requests" and features a large image of medical professionals. Below the title is a table with 10 rows of data, each representing a service request. The columns are labeled: ID, Employee Name, Location, Severity, and Status. The data is as follows:

ID	Employee Name	Location	Severity	Status
#ME1	Henry	Emmaleeborough		todo
#ME2	Trang	Witzakind	high	in progress
#ME3	Owen	Port Einorberg	urgent	backlog
#ME4	Phong	Lake Garettworth	high	backlog
#ME5	Alex	East Jocelyn	urgent	in progress
#ME6	Alex	Emmeland	medium	in progress
#ME7	Alexander	Breanstead	high	done
#ME8	Tracy	Palatine	urgent	in progress
#ME9	Mina	South Kelleyworth	low	done
#ME10	Phong	Fort Rustymouth	high	cancelled

At the bottom of the table, it says "5622 row(s)." To the right, there are buttons for "Rows per page" (set to 10), "Page 1 of 563", and navigation arrows.

The page defaults to show all requests in the database. Every time someone inputs a service request, it will be updated to this list.

To sort requests, do so with the five following fields:

Field	Description
Request ID:	An ID consisting of a letter or two corresponding to the type of service request as well as a number
Employee Name:	The name of the employee who made the request
Location:	The location referenced by the service request <i>*In the case of patient transportation, this is the patient's original location</i>
Priority:	A dropdown indicating the priority of an employee with the options below: Low, Medium, High, Emergency
Status:	A dropdown indicating the status of an employee on a task <ul style="list-style-type: none">Unassigned: An employee has yet to be assignedAssigned: An employee is assigned but not startedIn Progress: An employee is currently being worked onDone: The request has been completedCanceled: The request has been canceled

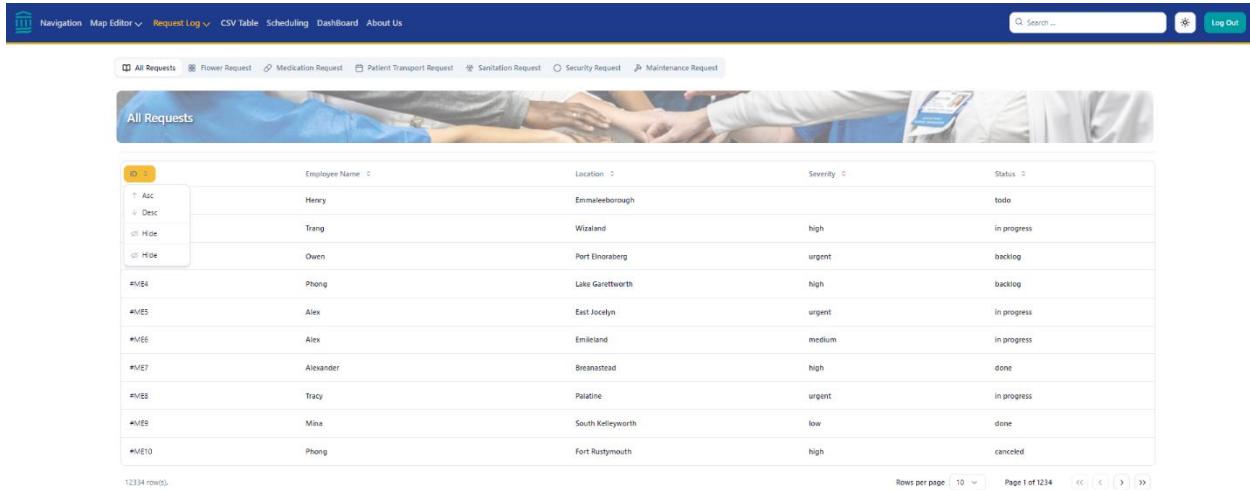


Note: All requests logs on this page are common regardless of its type.

Clicking any tab **below the header** will show the corresponding service request type. These tables will also show more information about each request.

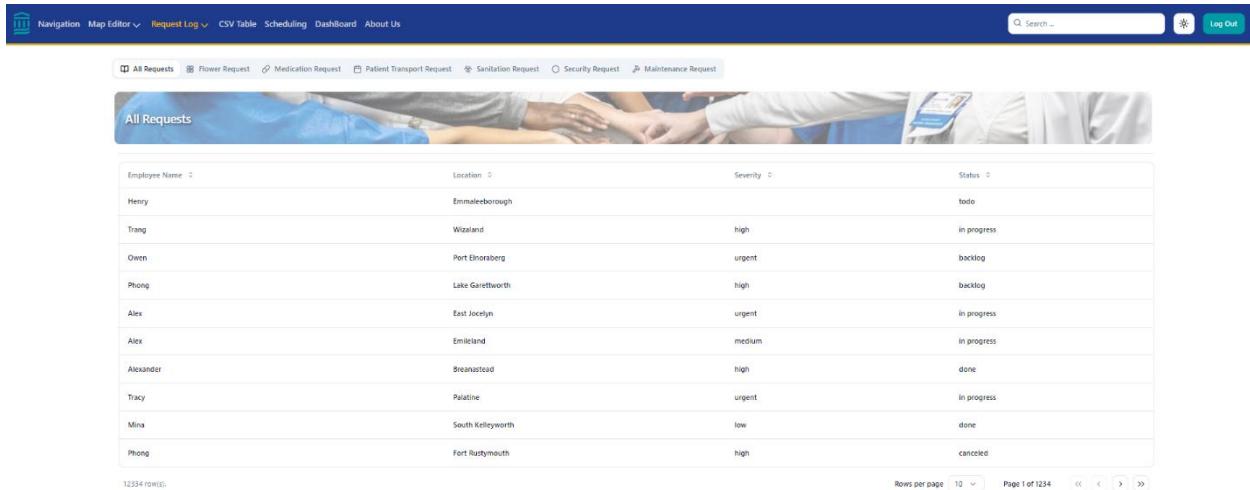
Each service request log table will show different information depending on what was submitted on the form. Note that you can sort and filter by any item in the header.

You can also choose to hide information shown **by clicking the Hide button in any filter dropdown**. For example, you can hide the ID numbers on the Maintenance page.



The screenshot shows a table titled "All Requests" with columns: Employee Name, Location, Severity, and Status. A dropdown menu is open on the left side of the table, showing options: Asc, Desc, Hide, and Hide. The table contains 12 rows of data. At the bottom, there is a note "12334 row(s).", a "Rows per page" dropdown set to 10, and a "Page 1 of 1234" link.

Employee Name	Location	Severity	Status
Henry	Emmaleborough	high	todo
Trang	Wizaland	high	in progress
Owen	Port Elnoraberg	urgent	backlog
Phong	Lake Garetworth	high	backlog
Alex	East Jocelyn	urgent	in progress
Alex	Emileland	medium	in progress
Alexander	Breanacraig	high	done
Tracy	Palatine	urgent	in progress
Mina	South Kelleworth	low	done
Phong	Fort Rustymouth	high	cancelled



The screenshot shows the same "All Requests" table as above, but the "Hide" option is now selected in the dropdown menu. The table has the same structure and data as the first screenshot. At the bottom, there is a note "12334 row(s).", a "Rows per page" dropdown set to 10, and a "Page 1 of 1234" link.

Employee Name	Location	Severity	Status
Henry	Emmaleborough	high	todo
Trang	Wizaland	high	in progress
Owen	Port Elnoraberg	urgent	backlog
Phong	Lake Garetworth	high	backlog
Alex	East Jocelyn	urgent	in progress
Alex	Emileland	medium	in progress
Alexander	Breanacraig	high	done
Tracy	Palatine	urgent	in progress
Mina	South Kelleworth	low	done
Phong	Fort Rustymouth	high	cancelled

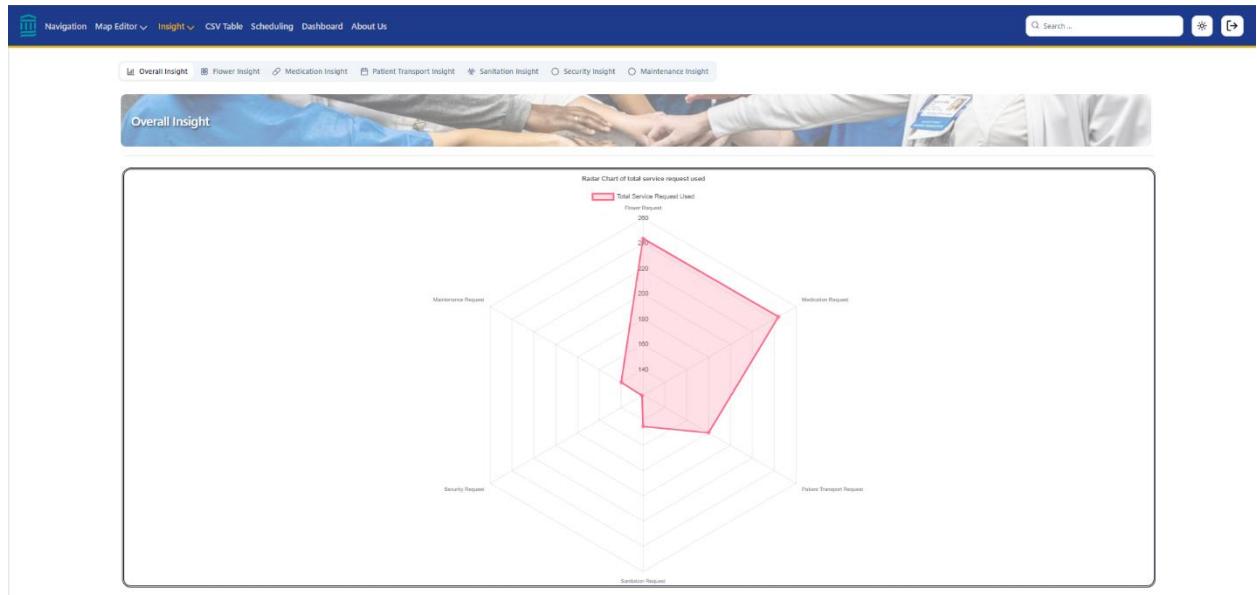
Related information

Service Requests (*on page 21*)

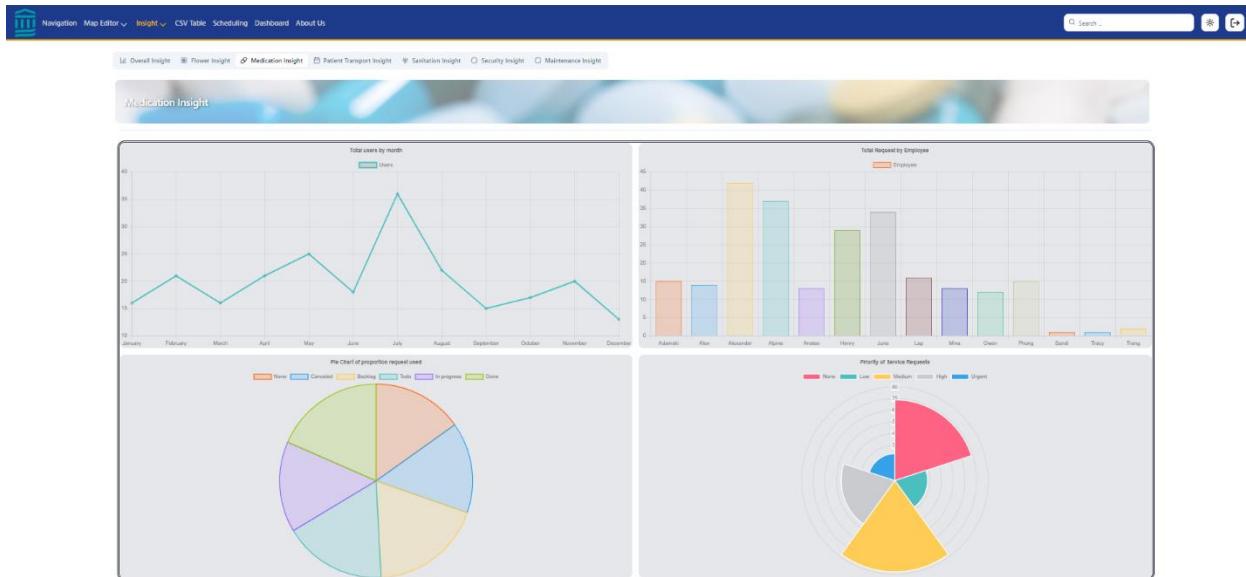
Request Insights (*on page 35*)

Service Request Insights

The Service Request Insight page has 7 tabs: One for a general overview graph, and one for each of the 6 service requests. The general overview graph shows how many of each service request was submitted.



Each service request page has Four graphs: One for total users by month, one for requests by employee (this is substituted for cost of orders for flower requests, since flower requests don't have employees), a pie chart showing the statuses of requests for that type, and a chart showing the distribution of priorities for each request type.



CSV Tables

Look through and edit the database of nodes, edges, and employees.

When you click “CSV Table” in the header of the website, it will bring you to this page:

The screenshot shows a web-based CSV editor. At the top, there's a navigation bar with links for Navigation, Map Editor, Service Requests, CSV Table (which is the active tab), Scheduling, Dashboard, and About Us. To the right of the navigation is a search bar and a Log Out button. Below the navigation is a toolbar with tabs for Nodes, Edges, and Employees, and buttons for Choose file, Import CSV, and Upload. A message indicates "No valid input detected." Below this is a section titled "Imported File:" which contains a table of data. The table has columns: ID, x-coord, y-coord, Floor, Building, Node Type, Long Name, and Short Name. The data includes various locations like Hall, BTM Conference Center, Neuro Waiting Room, Orthopedics and Rheumatology, MS Waiting, CART Waiting, Elevator S 01, S 02, S 03, S 04, and S L2. At the bottom of the table are pagination controls for "Rows per page" (set to 10), "Page 1 of 10", and navigation arrows.

ID	x-coord	y-coord	Floor	Building	Node Type	Long Name	Short Name
#ACONF00102	1580	2530	2	BTM	HALL	Hall	Hall
#ACONF00103	1648	2968	3	BTM	CONF	BTM Conference Center	BTM Conference
#ADEPT00101	1401	2628	1	BTM	DEPT	Nursing Office	Nursing Room
#ADEPT00102	1395	2674	2	BTM	DEPT	Orthopedics and Rheumatology	Orthopedics and Rheumatology
#ADEPT00201	1720	2847	1	BTM	DEPT	MS Waiting	MS Waiting
#ADEPT00301	986	2852	1	BTM	DEPT	CART Waiting	CART Waiting
#ASLEV00501	1534	2777	1	BTM	ELEV	Elevator S 01	Elevator S 1
#ASLEV00502	1532	2777	2	BTM	ELEV	Elevator S 02	Elevator S 2
#ASLEV00503	1539	2773	3	BTM	ELEV	Elevator S 03	Elevator S 3
#ASLEV00502	1630	2742	L2	BTM	ELEV	Elevator S L2	Elevator S L2

The page displays three tabs:

- Nodes, Edges, and Employees

 **Note:** The “Nodes” tab is selected by default.

The table of its corresponding tab displays the data that is in the database. Using the arrows **at the bottom of the screen** will allow you to see every entry in the database; using the dropdown labeled “Rows per page” will allow you to see more rows per page. This applies to all the other data types.

There are four buttons (from left to right) **towards the top of these pages** that you can select:

1. Choose file

Selecting this allows you to select a CSV file on your computer and upload into the database. Once a valid file is selected, the contained data will be previewed on a table above the database table, as seen below:

The screenshot shows a web-based application interface for managing data. At the top, there's a navigation bar with links like 'Navigation', 'Map Editor', 'Service Requests', 'CSV Table', 'Scheduling', 'Dashboard', and 'About Us'. On the right side of the header are search, help, and user authentication buttons ('Log Out'). Below the header, there are tabs for 'Nodes', 'Edges', and 'Employees'. A 'Choose File' button is used to select a CSV file named 'employees.csv'. On the right, there are buttons for 'Need Help?', 'Export CSV', and 'Upload'. The main content area has sections for 'Imported File:' and 'Employee Data:'. The 'Imported File:' section shows a single row of data: ID #1, First Name: Jane, Last Name: Doe, and Job Title: test. The 'Employee Data:' section displays a table with 10 rows of employee information. The columns are ID, First Name, Last Name, and Job Title. The data includes entries like Josephina Bington (Junior Executive), Lynett Woodrup (Health Coach), Abra Loughman (Physical Therapist), Hort Upp (Design Engineer), Claudio Holland (Quality Control), Katharina Lopez (Web Designer I), Oren Westell (Senior Sales Rep), Otha Bauld (Assistant Professor), Hervé Mc Meekin (Help Desk Operator), and Denia Syan (Safety Technician). At the bottom left, it says 'File imported successfully.' and at the bottom right, there are pagination controls for 'Rows per page' (set to 10) and 'Page 1 of 10'.

2. Need Help?

Selecting this will bring you to the “App Instructions” page

3. Export CSV

Selecting this will automatically download a CSV file onto your computer containing the data in the database, of the same type that is selected in the tabs.

4. Upload

Once you choose a CSV file, selecting the upload button will send this data into the database. The page will automatically refresh and be updated with the new data imported.

Related information

[Navigation \(on page 9\)](#)

[Map Editor \(on page 15\)](#)

Scheduling

To schedule an employee:

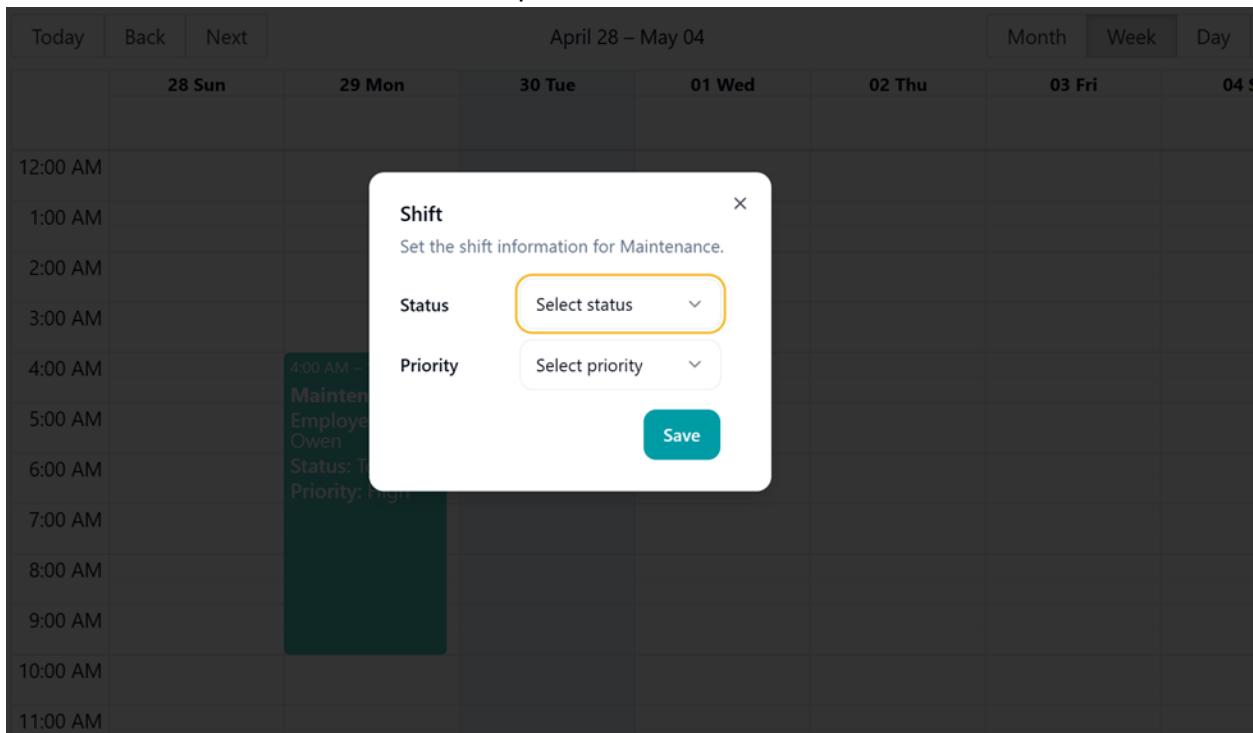
1. Click and drag on one of the service requests, and place them on the calendar where you want a six-hour shift.



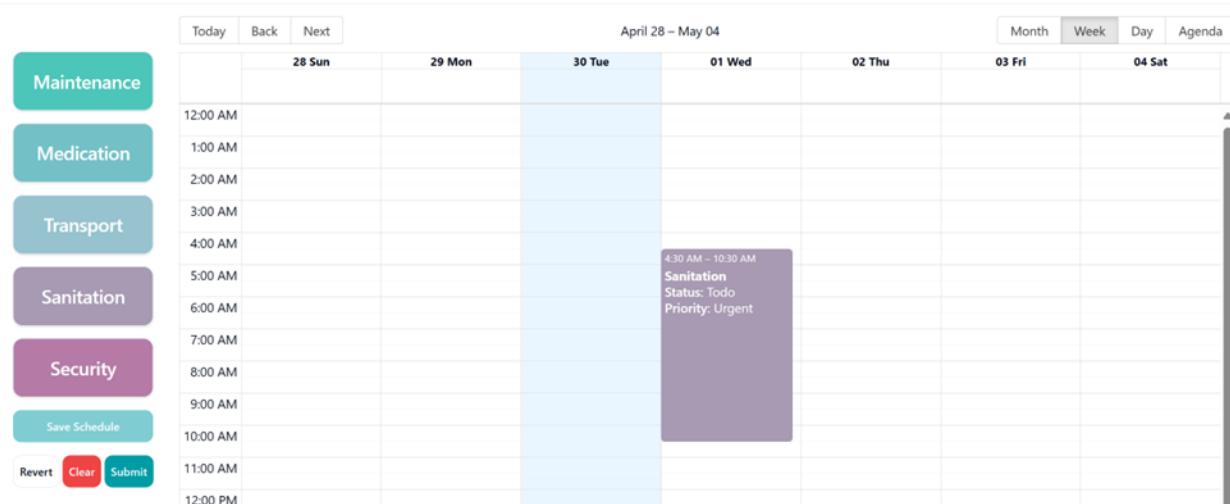
2. You may drag the event around the calendar to change the event's time and date.
3. You may stretch the event to make the shift longer.

Today	Back	Next	April 28 – May 04					Month	Week	Day	Agenda
			28 Sun	29 Mon	30 Tue	01 Wed	02 Thu	03 Fri	04 Sat		
12:00 AM											
1:00 AM											
2:00 AM											
3:00 AM											
4:00 AM											
5:00 AM											
6:00 AM											
7:00 AM											
8:00 AM											
9:00 AM											
10:00 AM											
11:00 AM											
12:00 PM											

4. Once an event has been initiated, click anywhere on the event to set the priority and status of the event. Be sure to press “Save” afterwards.



5. After all events on the calendar have been initialized with status and priority, the submit button will now be clickable. Clicking the button will automatically populate the employee that is the best fit for the job.



- After clicking the button, you will be notified with what the algorithm picked, and you will also now be able to save the schedule to the database. Saving the schedule will also notify you when you have successfully saved the schedule to the database.

The screenshot shows a weekly calendar interface. On the left, there's a sidebar with buttons for Maintenance, Medication, Transport, Sanitation, Security, Save Schedule, Revert, Clear, and Submit. The main area displays a grid where each row represents an hour from 12:00 AM to 2:00 PM, and each column represents a day from Sunday to Saturday. A specific slot on Tuesday morning is highlighted with a purple box, containing the following information:

4:30 AM – 10:30 AM
Sanitation
Employee: Lap
Status: Todo
Priority: Urgent

At the bottom right of the calendar, a message box states: "Algorithm picked the following employees: Sanitation from 04:30 AM to 10:30 AM: Lap".

- You will also be able to Clear the whole schedule, as well as reverting your changes to the last instance of the “Save Schedule” button press.
- You may also change the calendar view by pressing one of the buttons in the top-right corner of the calendar.
- You may also download the calendar that’s currently being viewed as a PDF by clicking the “Download” button.

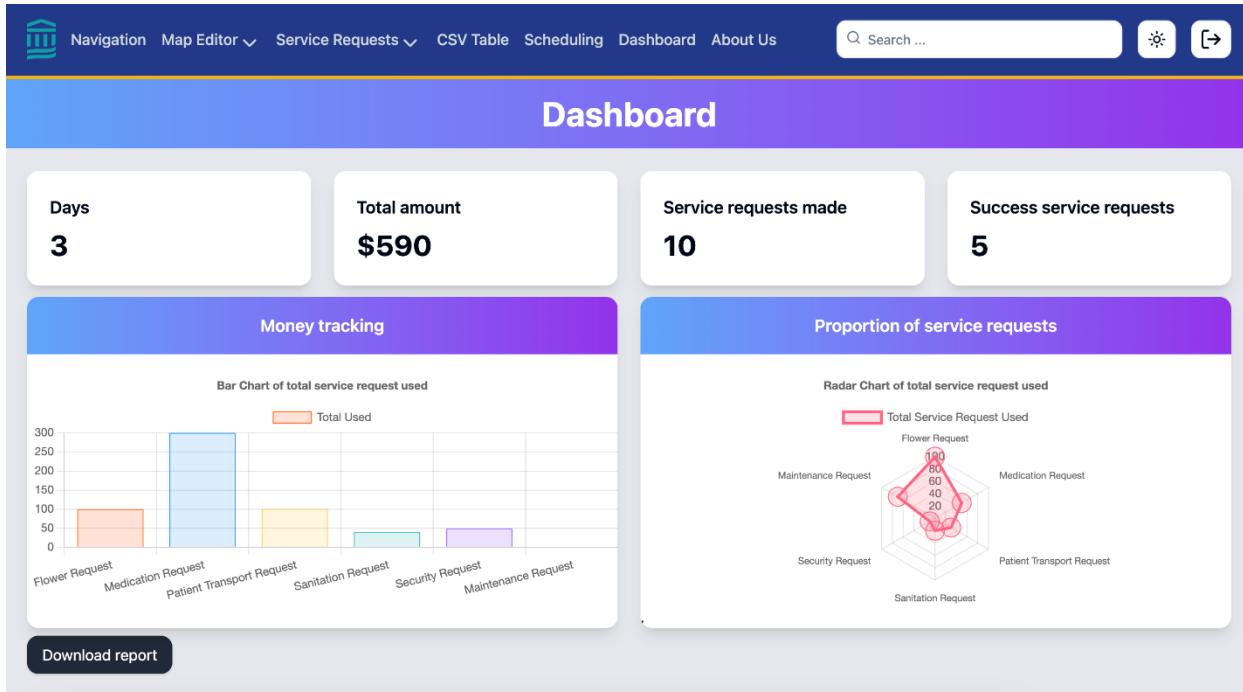
The screenshot shows the Brigham and Women's Hospital Employee Scheduling interface. At the top, there's a header with the hospital's name, a search bar, and some navigation icons. The main content is a calendar titled "Employee Scheduling" with a subtitle "By Mina Boktor & Phong Cao". The calendar shows a week from April 28 to May 4. Two specific tasks are highlighted with purple boxes:

- A task for "Security Employee: Sandi" from 4:30 AM to 10:30 AM on Tuesday.
- A task for "Security Employee: Owen" from 3:00 PM to 3:00 PM on Friday.

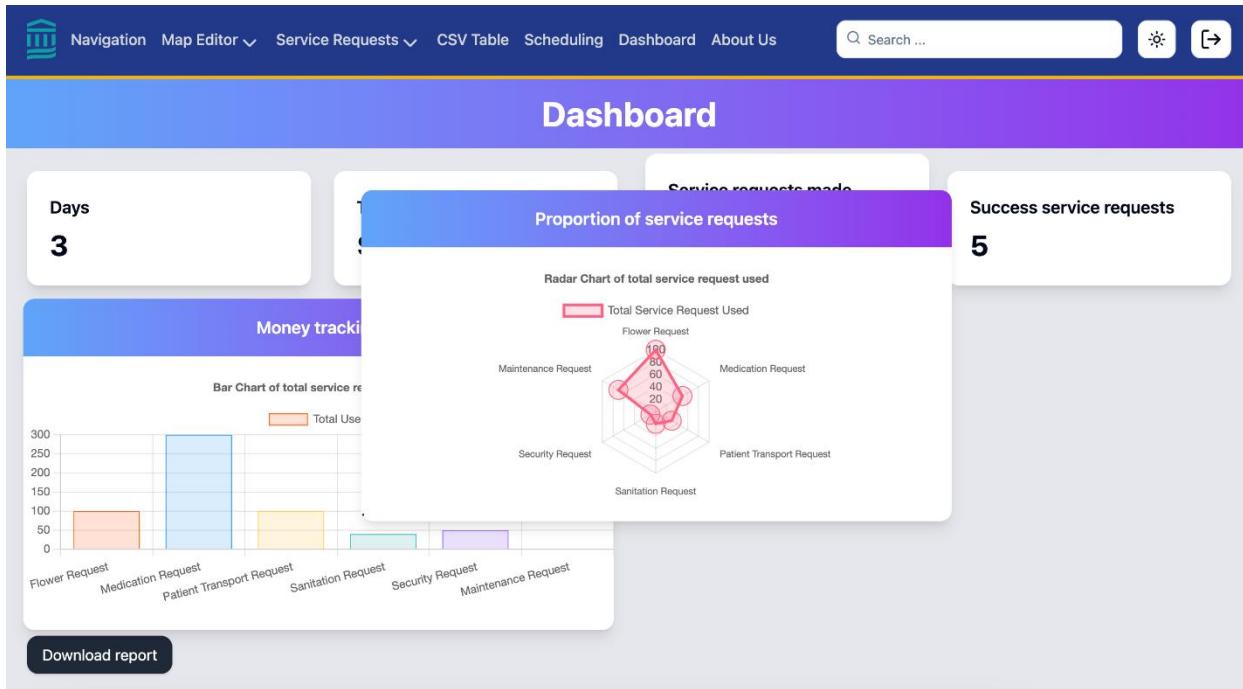
In the top right of the calendar area, there's a "Download" button with a downward arrow icon.

Dashboard

Upon clicking the “Dashboard” in the header you’ll be directed to the admin dashboard.



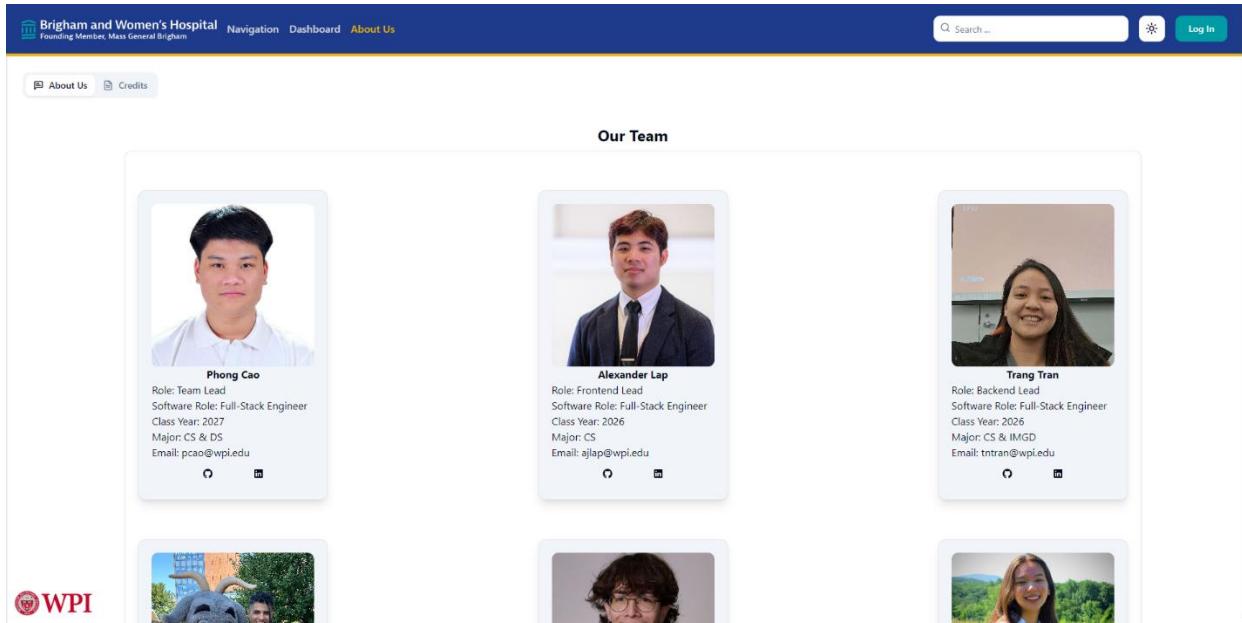
In the Dashboard you can drag the tiles to whichever position you want.



Once the tiles are in the position you would like, you can click the “Download report” button **at the bottom of the page** to automatically export the dashboard as a PDF file.

About Us

Upon clicking any of the names at the bottom of the hero page or clicking “About Us” on the website header, you will be taken to this page:

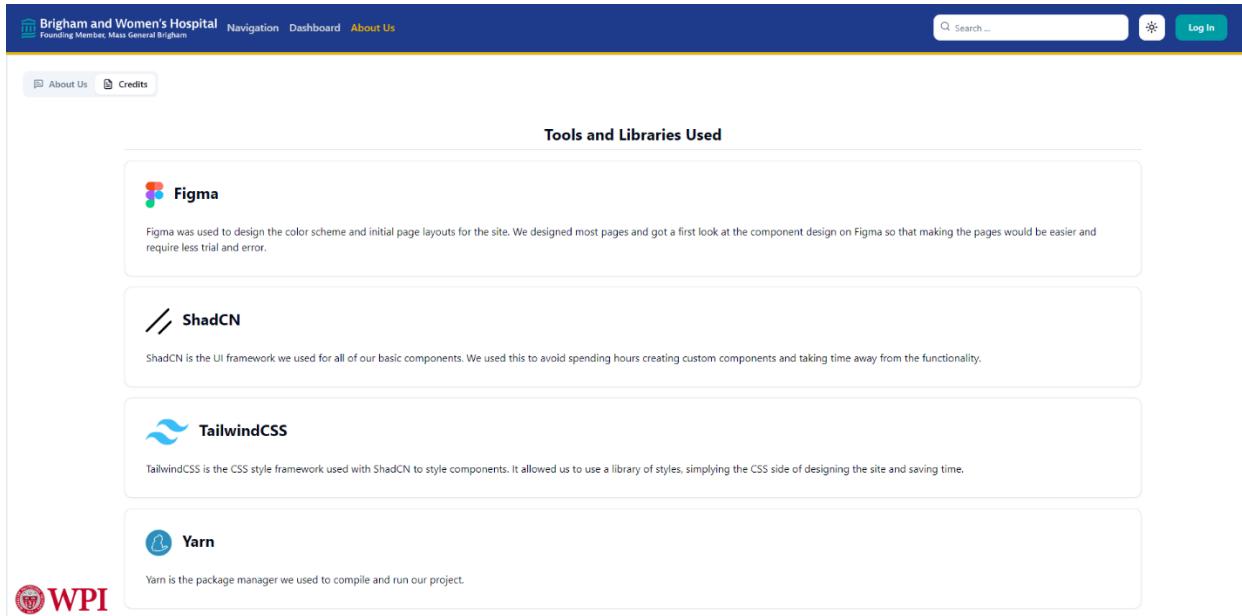


The screenshot displays the 'Our Team' section of the website. At the top, there's a navigation bar with links for Brigham and Women's Hospital, Navigation, Dashboard, and About Us. A search bar and a 'Log In' button are also present. The main content area is titled 'Our Team' and features three profile cards for team members:

- Phong Cao**
Role: Team Lead
Software Role: Full-Stack Engineer
Class Year: 2027
Major: CS & DS
Email: pcao@wpi.edu
- Alexander Lap**
Role: Frontend Lead
Software Role: Full-Stack Engineer
Class Year: 2026
Major: CS
Email: ajlap@wpi.edu
- Trang Tran**
Role: Backend Lead
Software Role: Full-Stack Engineer
Class Year: 2026
Major: CS & IMD
Email: ttran@wpi.edu

At the bottom left, there's a WPI logo.

Here, you can find information about the Team C developers, as well as the faculty that assisted in the development process. Clicking the “Credits” tab in the top left corner will take you to this page:



The screenshot displays the 'Tools and Libraries Used' section of the website. At the top, there's a navigation bar with links for Brigham and Women's Hospital, Navigation, Dashboard, and About Us. A search bar and a 'Log In' button are also present. The main content area is titled 'Tools and Libraries Used' and features four entries:

- Figma**
Figma was used to design the color scheme and initial page layouts for the site. We designed most pages and got a first look at the component design on Figma so that making the pages would be easier and require less trial and error.
- ShadCN**
ShadCN is the UI framework we used for all of our basic components. We used this to avoid spending hours creating custom components and taking time away from the functionality.
- TailwindCSS**
TailwindCSS is the CSS style framework used with ShadCN to style components. It allowed us to use a library of styles, simplifying the CSS side of designing the site and saving time.
- Yarn**
Yarn is the package manager we used to compile and run our project.

At the bottom left, there's a WPI logo.

Here you'll find all the tools and libraries that were used during the app's production. Clicking names/icons will take you to their respective websites.

Chapter 3. Troubleshooting

Throughout the application there is a question mark button that will direct you to application instructions.



App Instructions

- [Navigation Page](#)
- [Map Editor Page](#)
- [Service Requests Page](#)
- [CSV Table Page](#)
- [Search, styles, and Login](#)

The headings for “Navigation Page”, “Map Editor Page”, etc are clickable and will give you instructions on how to use that portion of the website.



App Instructions

- [Navigation Page](#)

The navigation page is located under the "Navigation" tab at the top of the screen, or by going home and clicking on the map.
Before attempting to find a path, ensure that you have a floor selected.
Click once on a node to set it as your start node, click on another node to set it as your end node. Click on "Find Path" to get directions.
- [Map Editor Page](#)
- [Service Requests Page](#)
- [CSV Table Page](#)
- [Search, styles, and Login](#)