

# MASS GENERAL BRIGHAM

## APPLICATION

### User Manual

**Team (C)rimson Cerberus**

**CS3733-D25: Software Engineer**

**Professor Wilson Wong**

**Team Coach: Kai Davidson**

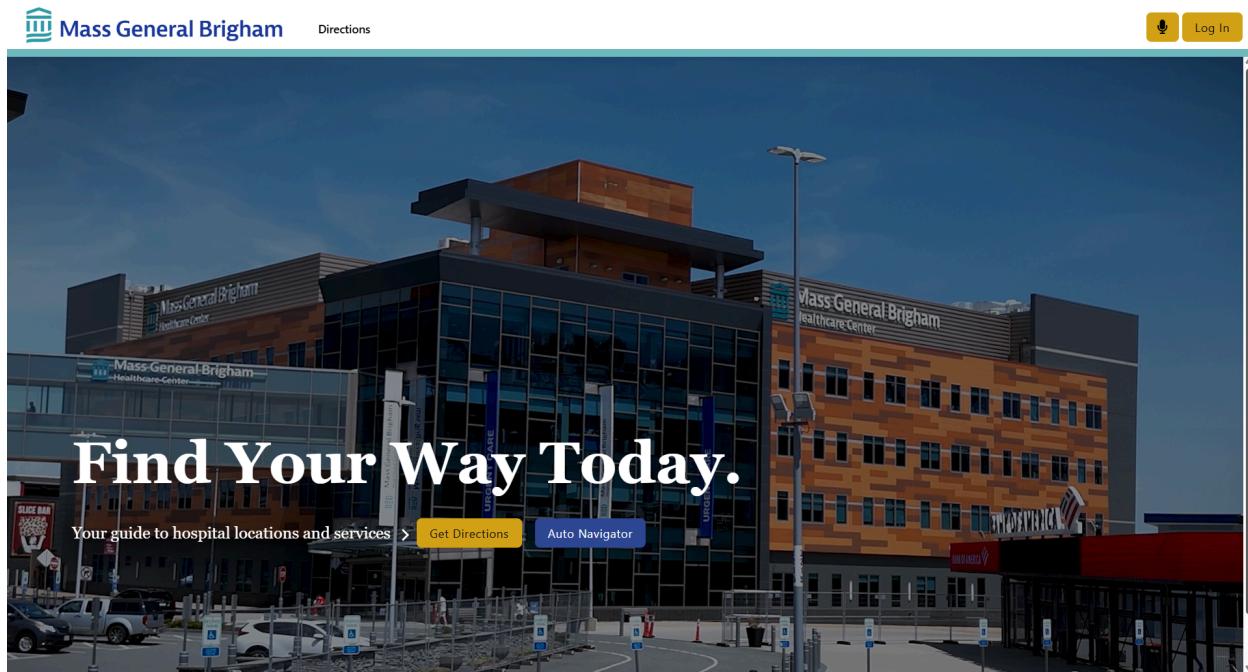
**GitHub Link:** <https://github.com/cs3733-d25/team-c>

Name	Position	GitHub
<b>Minh Ha</b>	Lead Software Engineer	minh-hahaha
<b>Andrew Melton</b>	Co-Lead Software Engineer	4ndrew13
<b>Pakorn Liengsawangwong</b>	Co-Lead Software Engineer	pako490
<b>Krish Patel</b>	Assistant Lead Software Engineer/Scrum Master	krishpate1
<b>Jake Lariviere</b>	Assistant Lead Software Engineer	jlariv11
<b>Max Jeronimo</b>	Backend Engineer/Databases	max-jeronimo
<b>Jack Morris</b>	Backend Engineer/Databases	JackMorris1234
<b>Vinam Nguyen</b>	Algorithms/Project Manager	vinamnguyen
<b>Yael Whitson</b>	Frontend Engineer/Documentation Analyst	whywhitson
<b>Haotian Liu</b>	Frontend Engineer/Product Owner	seanliu7081

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# Home Page

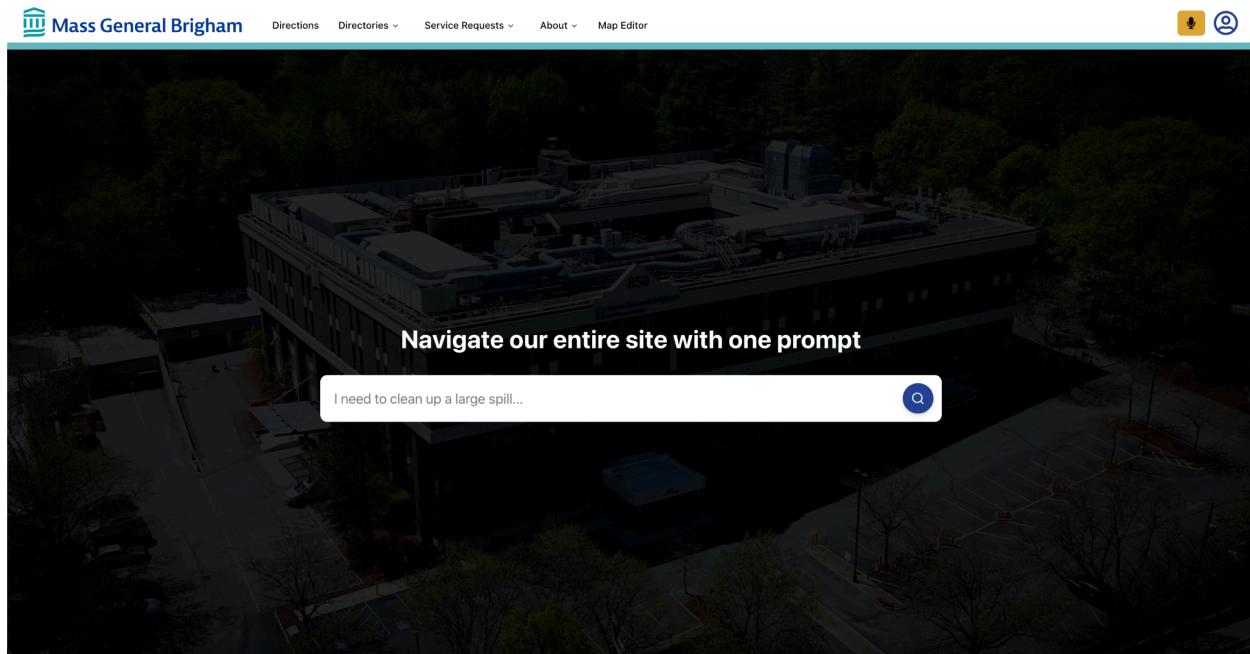


Upon first opening the application, you will be directed to this page, the Home Page. Here, you can see the logo bar at the top, which allows you to navigate the application. For a normal user, you can only access the Home Page by pressing the MGB logo, directions, automated voice search by pressing the microphone button, and login. You can also get directions from the “Get Directions” button, or automatically navigate the entire site with one prompt using the “Auto Navigator” button.

## Get Directions Button

The Get Directions Button will take you to the [Directions page](#)

## Auto Navigator Button



The Auto Navigator button will allow you to navigate our site by typing. For example, typing in “I need to clean a large spill” will take you to the Sanitation Request form if you are an admin/staff user. You can also type “I need directions to Chestnut Hill,” and the directions page for Chestnut Hill will be displayed.

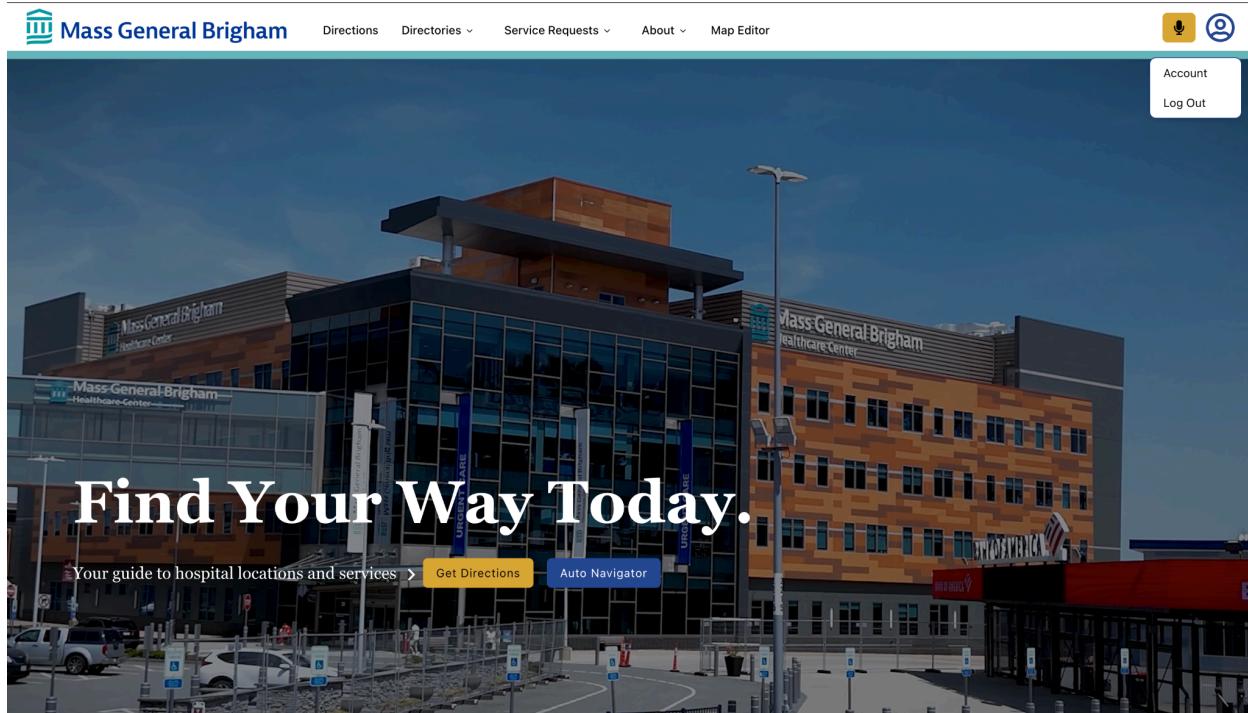
## Log In

To log in to the application, click the yellow login button in the navigation menu at the top of the page. You will be brought to the secure login page shown below:

A screenshot of a secure login page. At the top center is the Mass General Brigham logo. Below it, the word "Welcome" is centered. A message reads "Log in to dev-27lt56f8mqgdmfdr to continue to MGBTTeamC.". There are two input fields: one for "Email address\*" containing "softengD25X@gmail.com" and another for "Password\*" containing a series of dots. Below these fields is a "Forgot password?" link. A large blue "Continue" button is centered below the password field. At the bottom left, it says "Don't have an account? [Sign up](#)". In the center, it says "OR". At the bottom, there are two social login buttons: "Continue with Google" featuring the Google logo, and "Continue with Facebook" featuring the Facebook logo.

From here, you can enter a registered email and password or continue with Google/Facebook to log in to the application. If you do not already have an existing account, you can click the blue ‘Sign up’ link and create a new account with an email and password. If you have an account but have forgotten your password, you can click the blue ‘Forgot password?’ link, and you will be able to send yourself an email to reset your password.

## Log Out



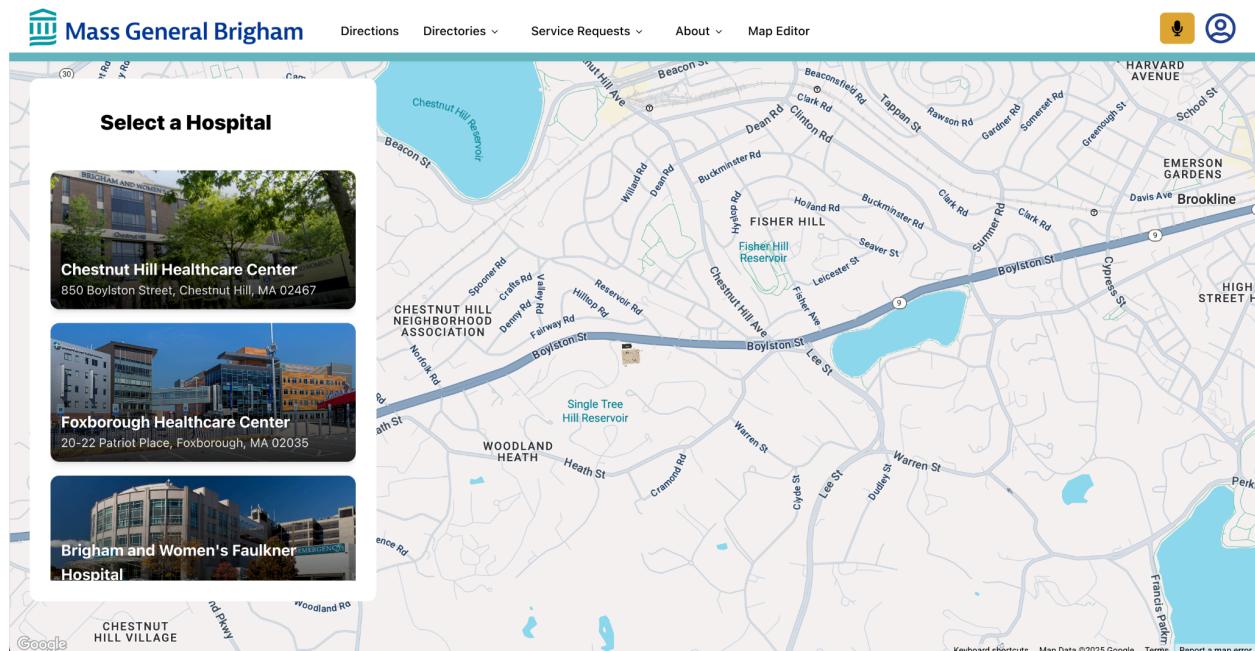
To log out of your account, find the user icon in the navigation menu at the top of the page. Click on this icon and a drop-down menu will appear. Click the ‘Log out’ button inside the dropdown. Your account will be logged out and you will be redirected to the home page.

# Directions

When you get to the direction page, you will be prompted with a sidebar to navigate this page and a map on the right side. Here, you can use Google Maps to find directions to the hospital and also pathfinding to different departments, receptions, and check-in desks at MGB Chestnut Hill, Foxborough, Faulkner, and the Main Campus Hospital.

## Google Map Directions

*Select a Hospital*



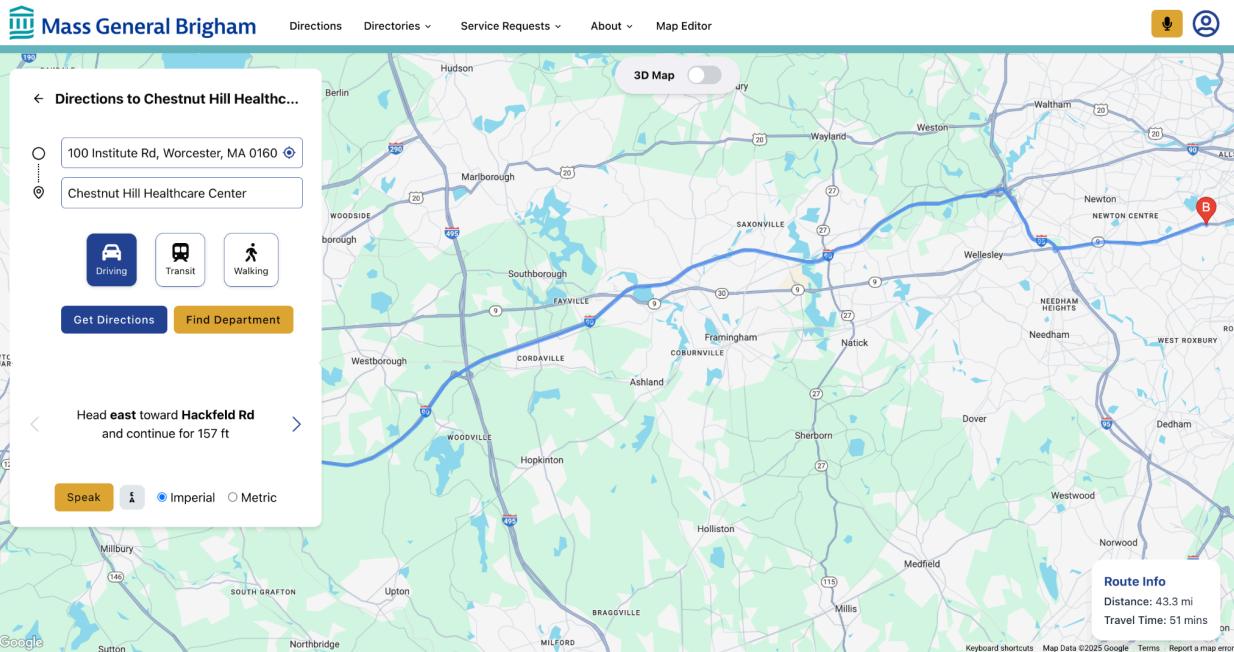
## Hospital Information

The screenshot shows a map interface for Mass General Brigham. On the left, there is a sidebar with a card for "Chestnut Hill Healthcare Center". The card includes a thumbnail image of the building, a description ("Very Cool Chestnut Hill Hospital"), address ("850 Boylston Street, Chestnut Hill, MA 02467"), phone number ("(800) 294-9999"), and operating hours ("Mon-Fri: 8:00 AM - 5:30 PM"). Below the card is a "Get Directions" button. To the right of the sidebar is a detailed 3D floor plan of the hospital complex, showing various buildings labeled 130 - MULTI-SPECIALTY CLINIC, 100 - LABORATORY, and 102 - RADIOLOGY MR/CT SCAN. Three parking lots are marked: LOT A, LOT B, and LOT C. The bottom of the screen features a Google search bar and standard map navigation links.

When you click on the hospital card on the sidebar (ex. Chestnut Hill Healthcare Center), you will be zoomed in to a closer view of the hospital location. The sidebar will display information about the hospital such as a description, location, phone number, and hours. Clicking on *Get Directions* will now take you to find directions to the location you chose.

## Directions to the Hospital

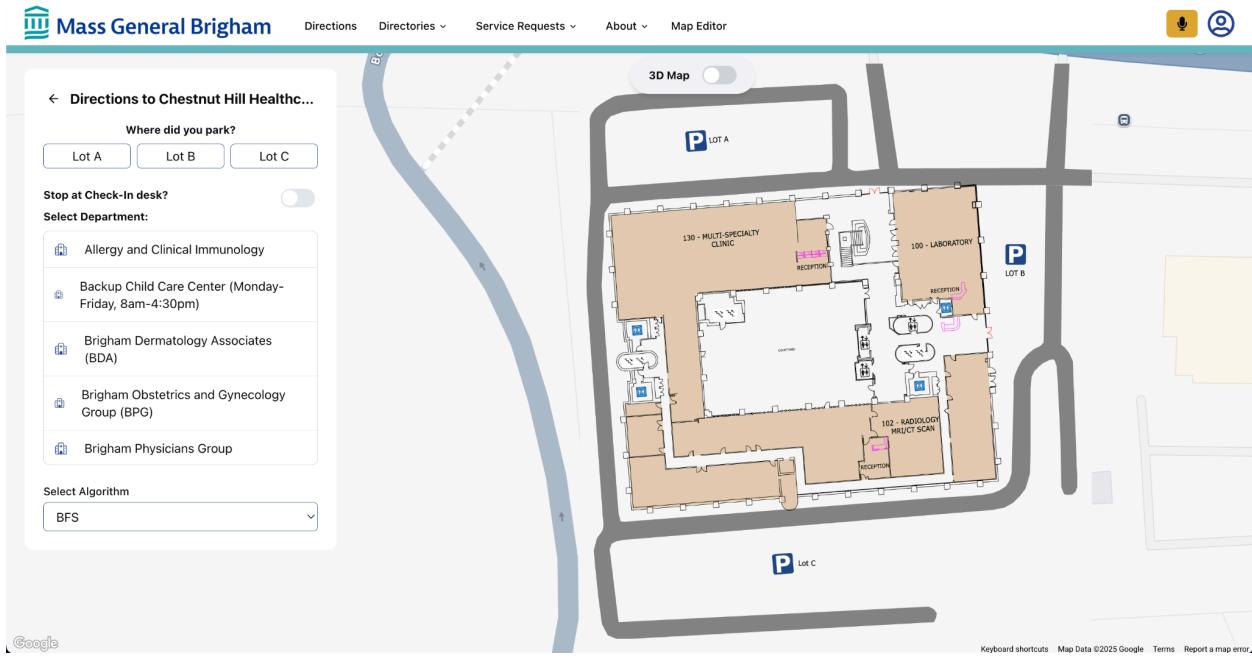
The screenshot shows the same map interface as the previous one, but the sidebar has been updated to show directions to "Chestnut Hill Healthcare Center". It lists two options: "100 Institute Rd, Worcester, MA 0160" and "Chestnut Hill Healthcare Center". Below these are three transport mode icons: Driving, Transit, and Walking. At the bottom of the sidebar are "Get Directions" and "Find Department" buttons. The main map area remains the same, showing the hospital complex and surrounding parking lots.



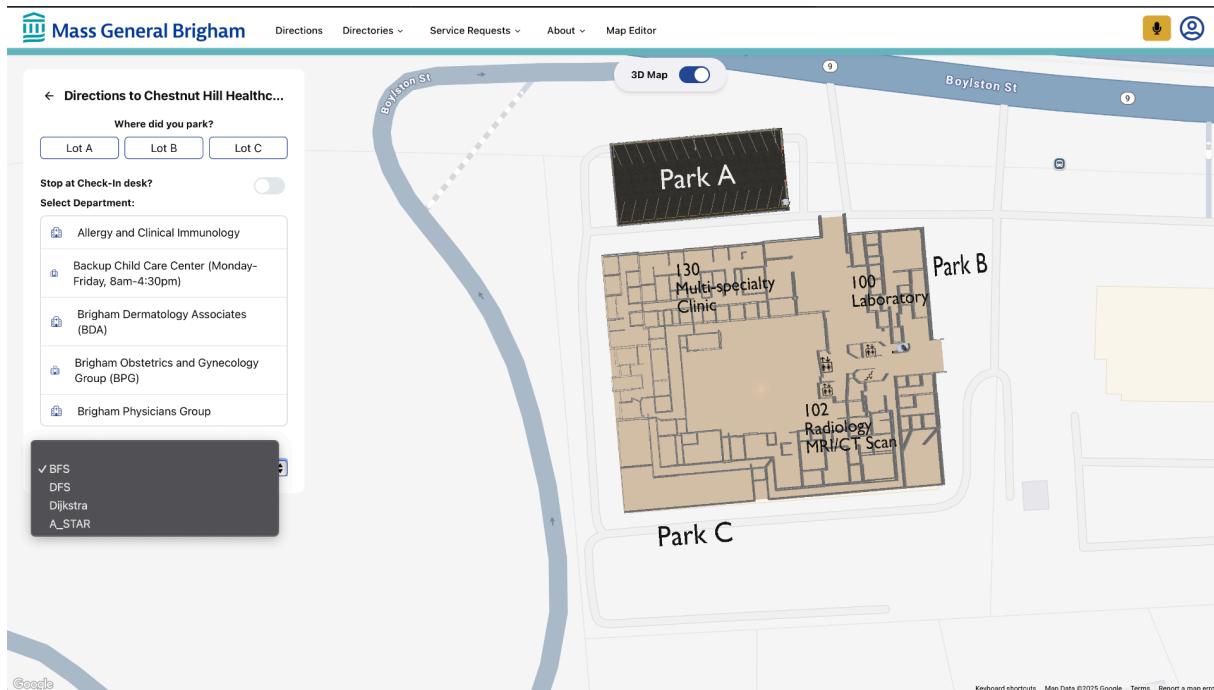
On this step, you can input a start address or press the icon on the right side of the search bar to use your current location. Upon selecting your start address, you can select your mode of transportation, and finally, click the get directions button. The get directions button will do three things: zoom out of the hospital to show your complete path from start destination to hospital, show the text directions, and the Route Info box to appear in the bottom right of the screen.

The new text direction box allows you to see all directions to the hospital in text form, using the arrows on either side to move from individual directions forward and back. The speak button will speak the currently selected direction, and the two metric selectors will allow you to switch between imperial and metric units. An icon describing the action in the text box accompanies the speak button to the right. The Route Info box displays information about your chosen route: the distance in miles or kilometers, and the travel time. To choose a new mode of transportation after having previously selected another, you must select the desired mode and once again click the get directions button.

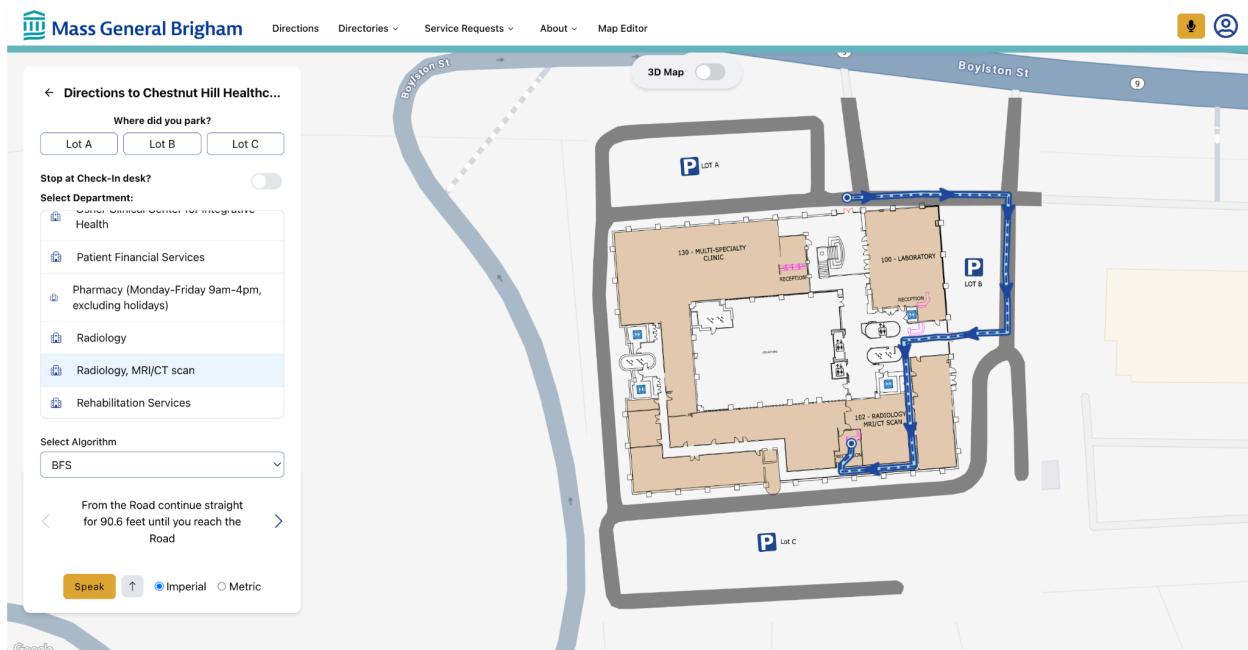
# Internal Pathfinding Department



On this step of the directions page, you will see the above screen. The only difference between admin and non-admin accounts is that the “Selected Algorithm” section will not be present on non-admin accounts. The “Where did you park?” selector is optional, as it is defaulted to the main road when not selected. The purpose of this page is to allow a user visual, textual, and auditory directions to their chosen department destination. You can select a department, and in response, a path is generated in all three forms across the map, and a newly appeared text/speak section appears below the sidebar.

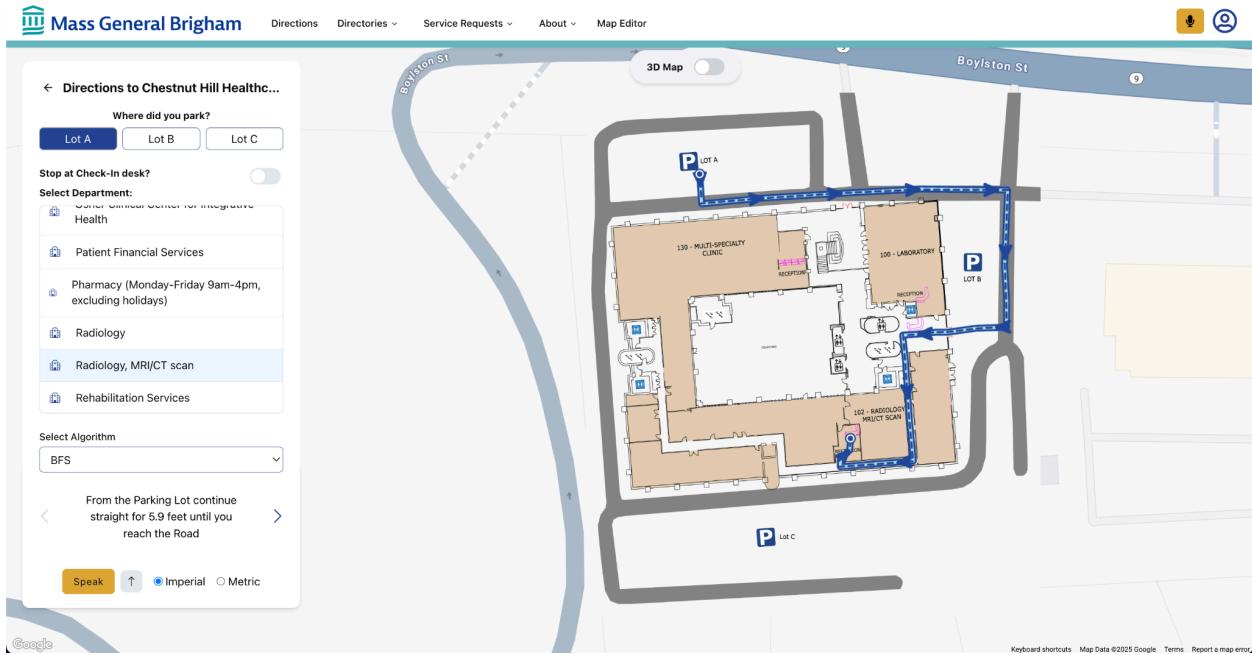


When an admin clicks on the BFS dropdown, a list of available algorithms appears: BFS, DFS, Dijkstra, and A\_STAR. Each algorithm follows a different pathfinding method. Once an admin selects one, it becomes the default algorithm for all users.

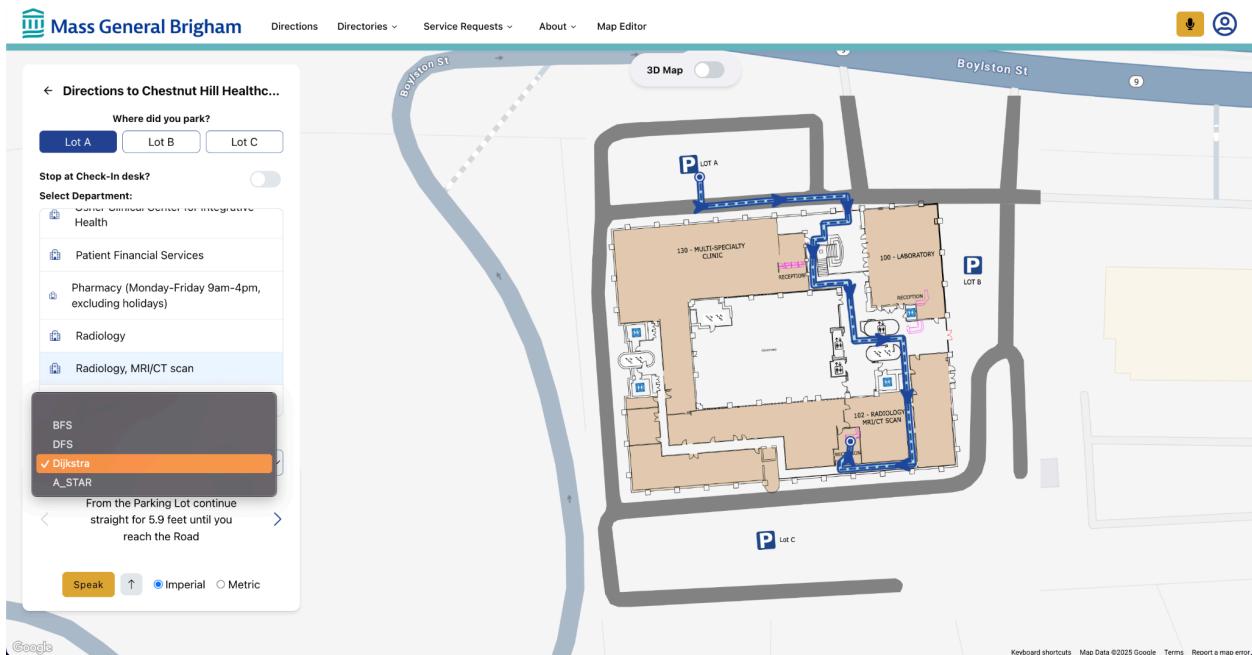


The speak, metric selection, and directional icons work identically to the Directions to Hospital Section. The Speak button will voice the currently selected text direction in the box above it, with the icon describing the action to its right. The metric selector will allow a switch between

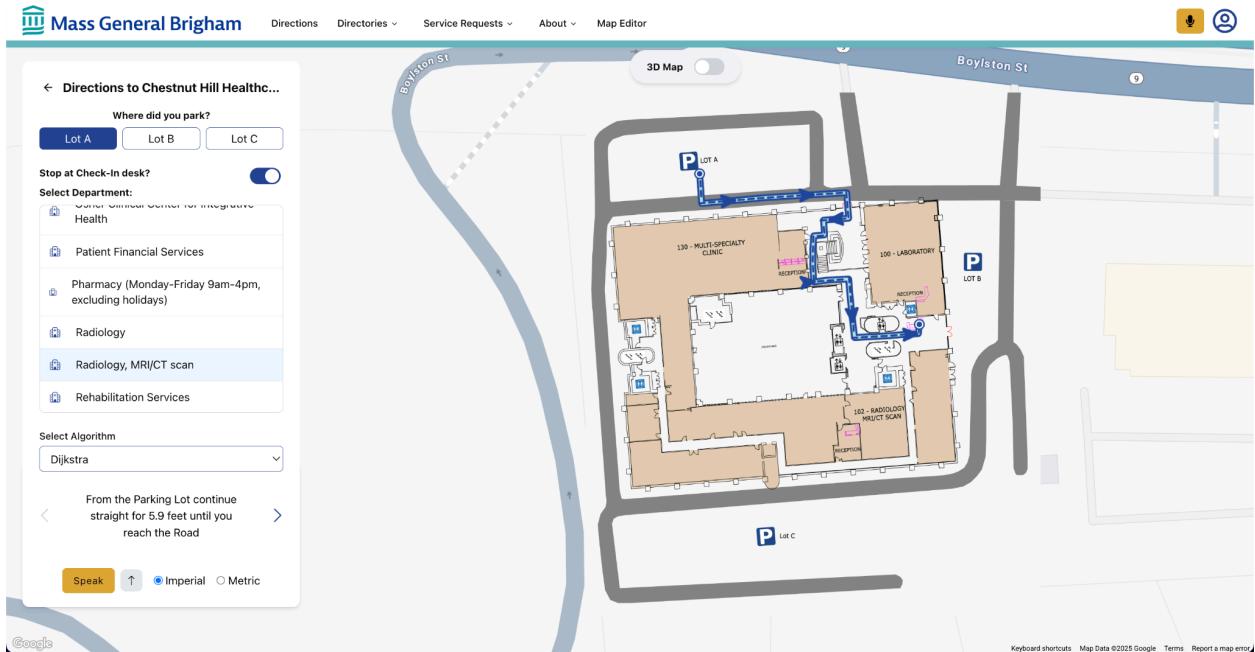
metric and imperial units. The visual path shows a path created from the selected algorithm in the case of an admin account, and is defaulted to BFS in a standard account.



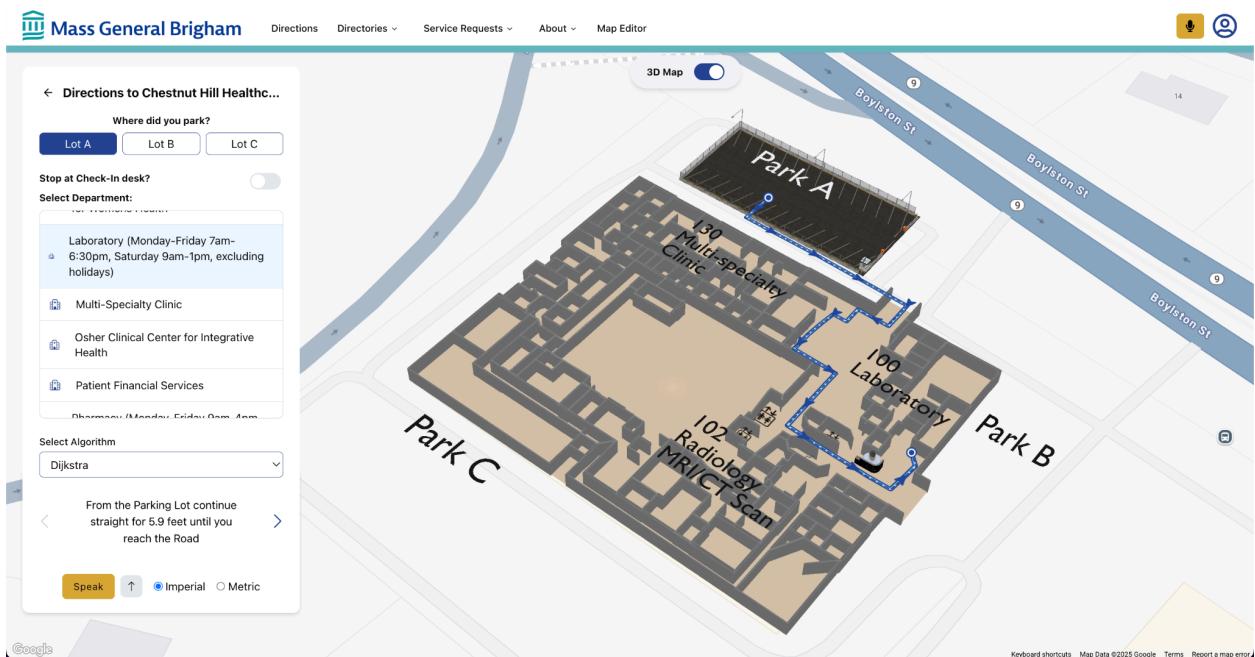
Selecting the parking lot as above will change the start of the pathfinding and directions to a specific parking lot.



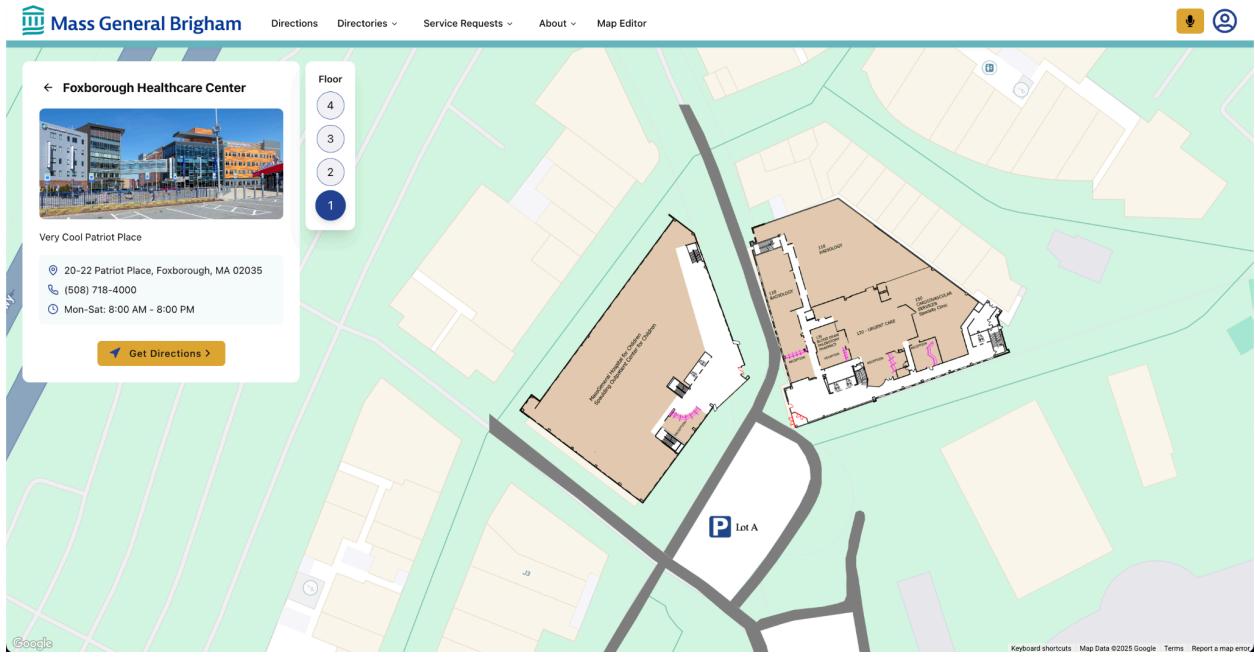
Changes to the algorithm selector have the potential to provide a more direct pathing, as shown above.



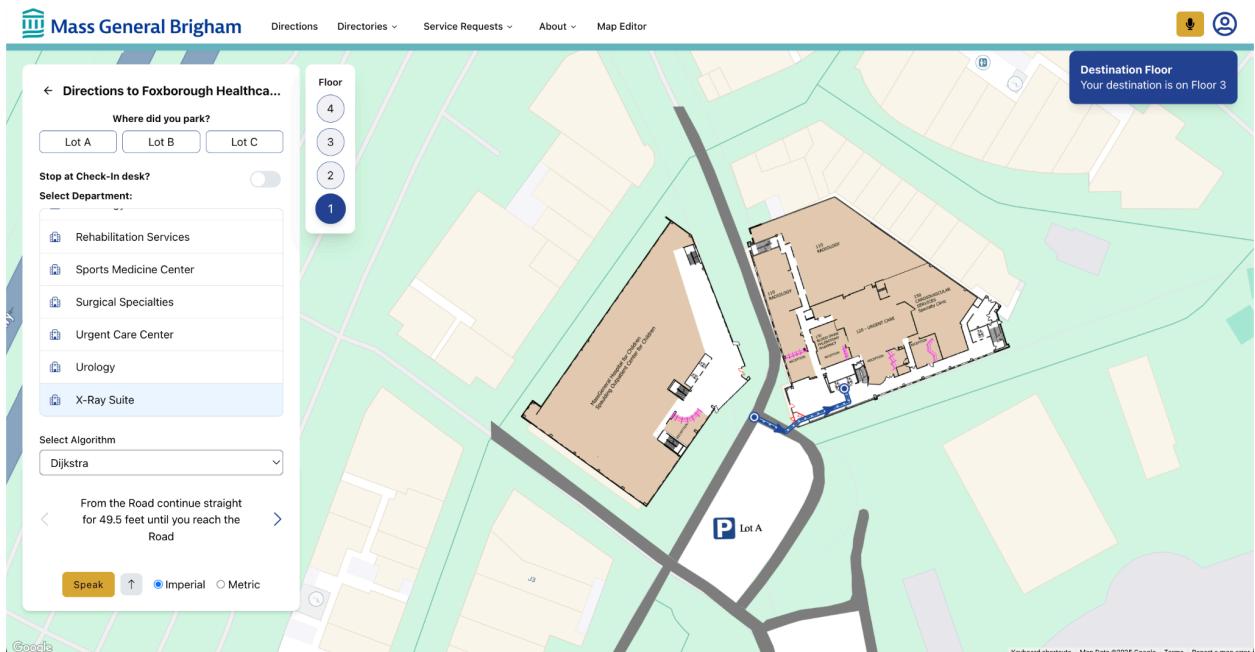
The “Stop at Check-In desk” selector causes the plotted course to alter to the check in desk. Unselecting this option returns your route to the selected department.



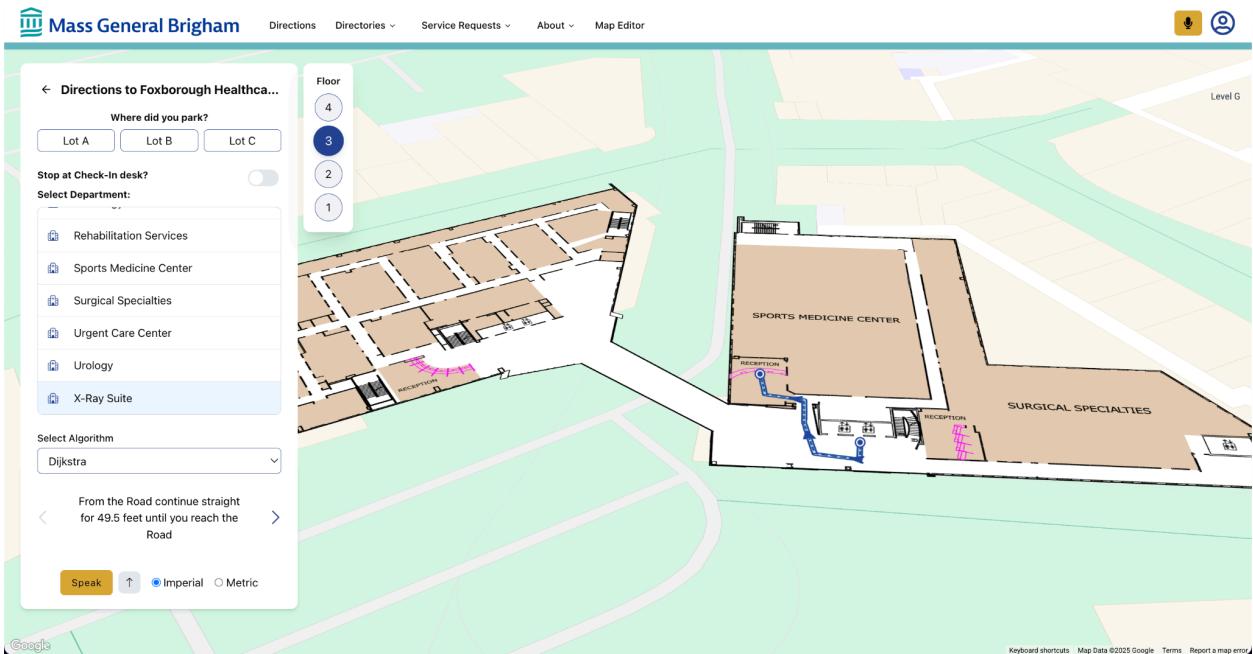
The “3D Map” selector at the top middle of the map allows a user to see a 3D and maneuverable representation of the hospital floor. Unselect the option to return to the previous visual format.



When a hospital with multiple floors is selected in the previous steps, a floor selector sidebar is created. This allows you to select which floor of the hospital is displayed on screen.



When a route is charted through the selection of a department that requires movement to another floor, a box in the top right will appear showing the destination floor.



When you select that floor, in this case, 3, the rest of the plotted path is displayed. The text, speech, and icon directions provide instructions to use either stairs or elevators, depending on the path.

# Map Editor

## Add/Remove Nodes

Select a Hospital

- Chestnut Hill Healthcare Center
- Foxborough Health Care Center
- Brigham and Women's Faulkner Hospital
- Brigham and Women's Main Hospital

Boylston St

P LOT A

P LOT B

P LOT C

Spine Center

Lown Group

Longwood Orthopedic Associates

Edit Nodes and Edges

Create Edges

Save Nodes and Edges

Import Export Nodes and Edges

Help

Node Data

Node ID: 4  
X: 42.32588113243238  
Y: -71.14948031841513  
Floor:  
Building ID: 1

Select Node Type

Hallway

Node Name

Node

Room Number

Delete Node

Set Departments

Select a Department

Edit Nodes and Edges

Create Edges

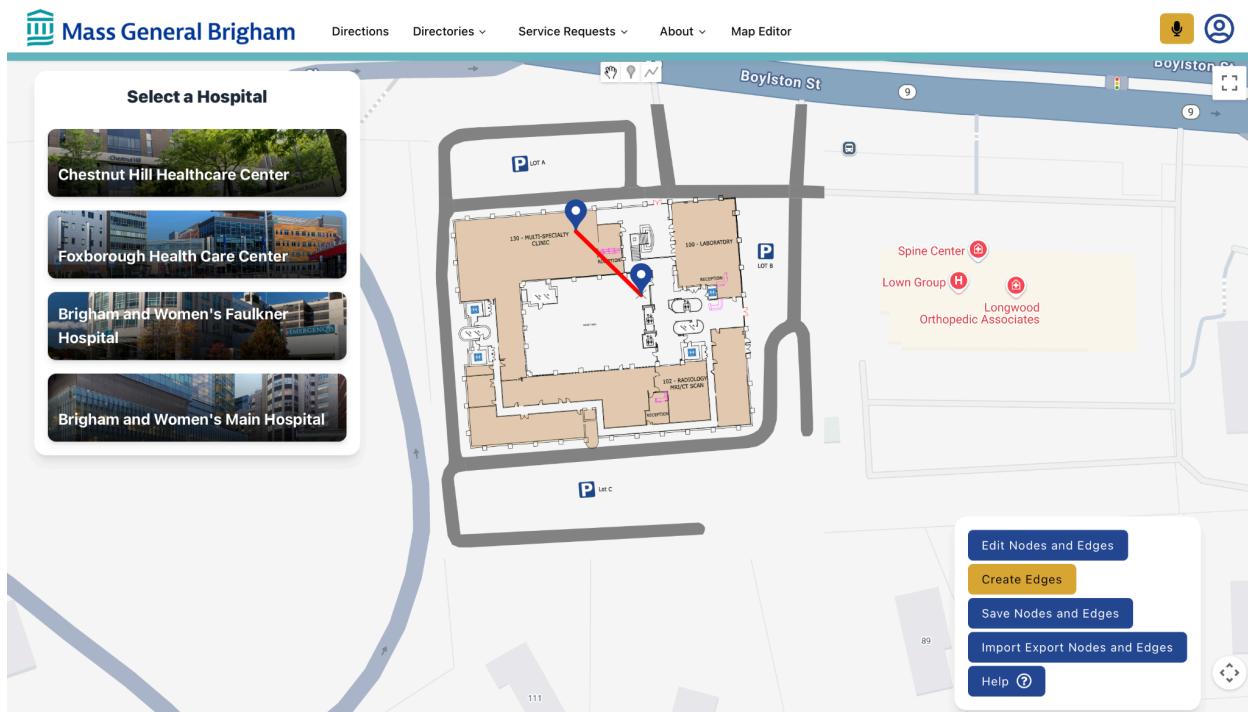
Save Nodes and Edges

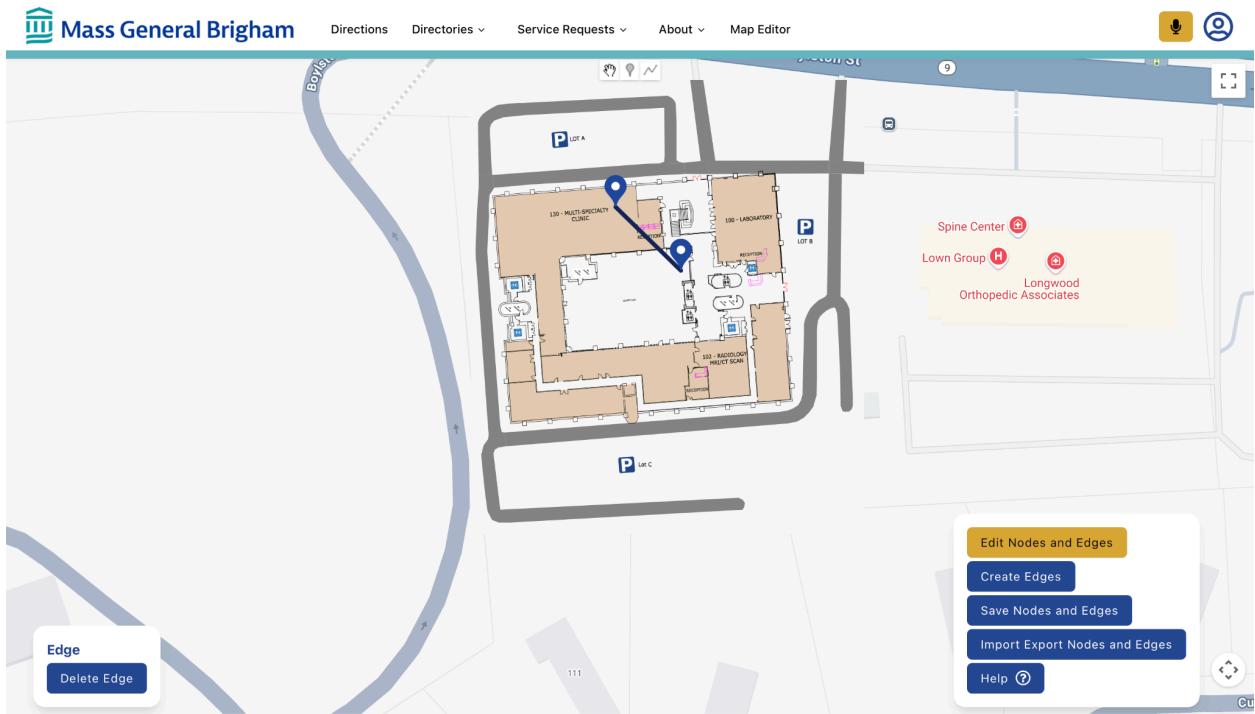
Import Export Nodes and Edges

Help

To add nodes to the map, click the Marker button (top-middle center) and then click anywhere on the map. If you want to add multiple nodes, select the Line button (top-middle right) and click to start a line—each additional click adds a new node. To finish, click again on the last point you placed; edges will be created automatically between the nodes. To remove a node, make sure you're in Edit Nodes and Edges Mode with the Hand tool selected (top-middle left), then select the node and click Delete Node in the Node Data menu. This will also remove any connected edges.

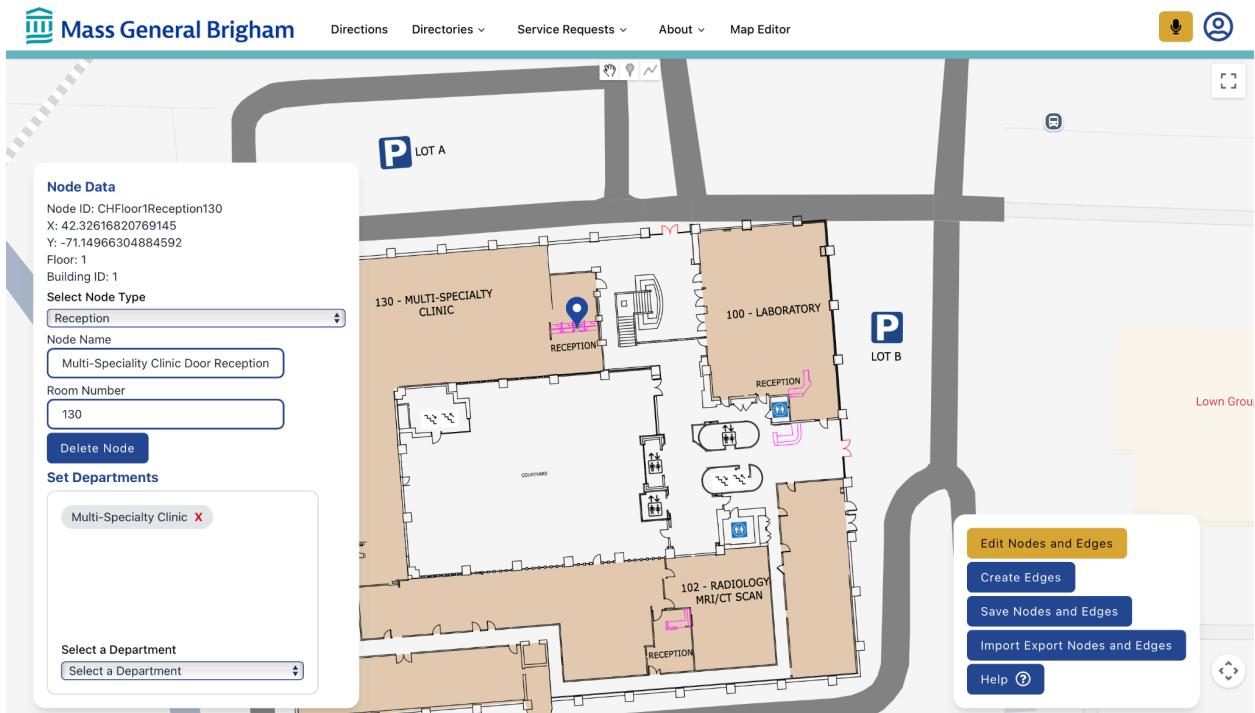
## Add/Remove Edges





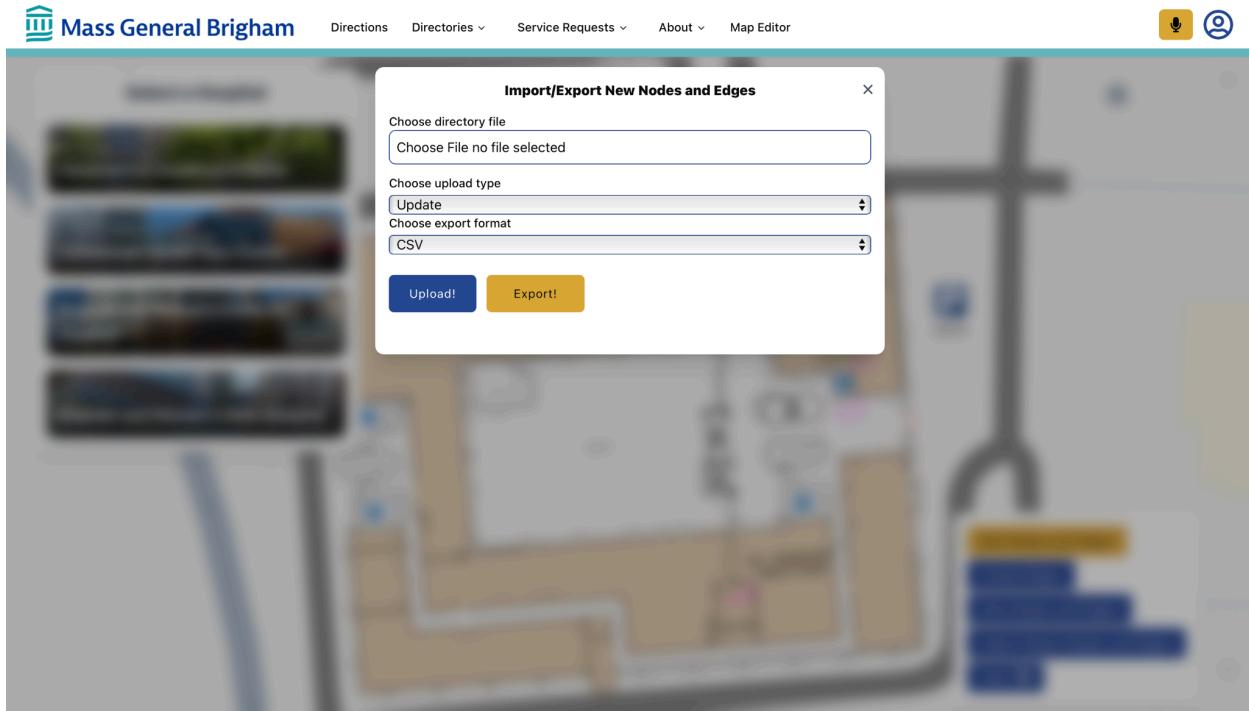
Edges can be added to a map by going into Add Edges mode and clicking two nodes, making sure the Hand (top-middle left) is selected to create an edge between them. To remove an edge, in Edit Nodes and Edges Mode, select an edge and it will be highlighted blue, then click the Delete Edge button in the bottom left of the screen.

## Edit Node Properties



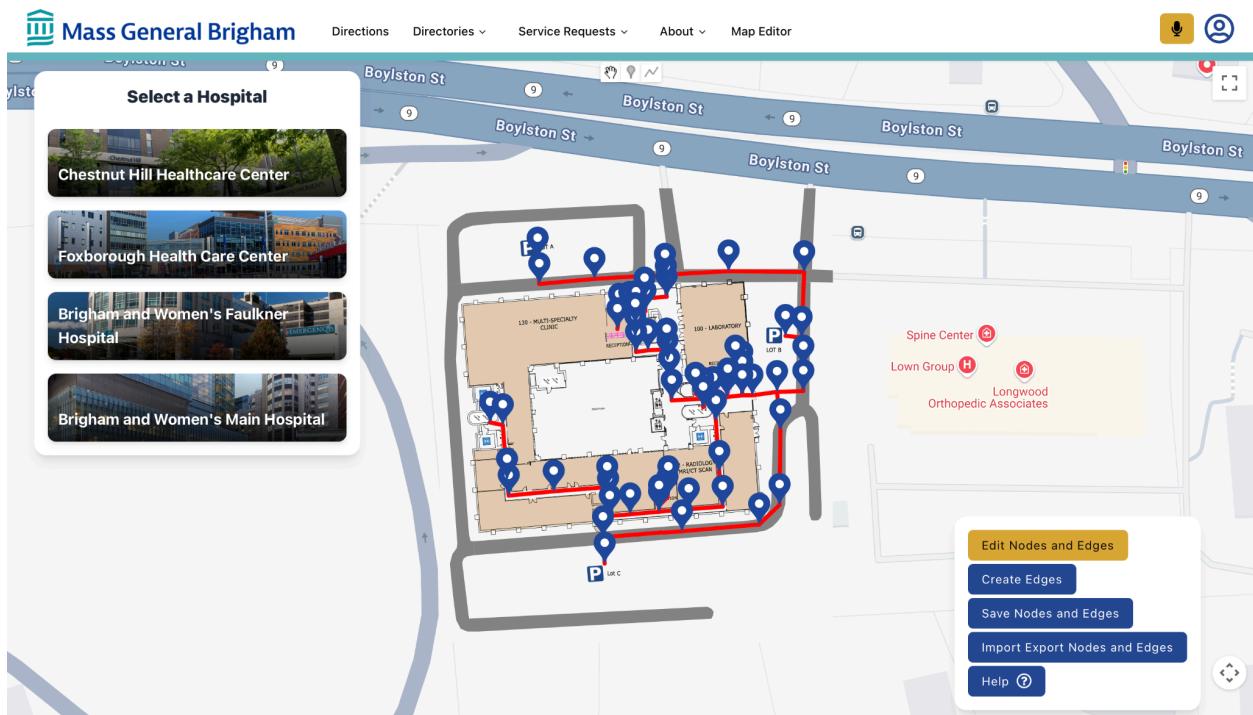
When in Edit Nodes and Edges Mode, and the Hand (top-middle left) is selected, click on a node, and the Node Data will appear. The node type, name, and room number can be changed. Additionally, you can select departments to be added to the node, which will be reflected in the directions navigation. Changes will not be saved until the Save Nodes and Edges button is pressed.

## Import/Export Nodes and Edges



Clicking on the Import Export Nodes and Edges button will make this pop-up appear. Click inside the choose file box to upload either a CSV or JSON file. Next, select an upload type, either Update or Overwrite. Update will change the values of any existing nodes and insert any new nodes. **Overwrite will erase all previous node and edge data** and replace it with what is in the file. **When uploading a CSV, you must upload the nodes CSV first, then the edges CSV.** To Export existing data to either CSV or JSON, select the export format from the dropdown and press Export. JSON data will be one file including both nodes and edges, while CSV data will be one zip file with two CSV files, one with node data and another with edge data.

## Save



Once completing your changes, click the Save Nodes and Edges button and it will save all the node and edge data to the database. **When modifying a hospital map with multiple floors, make sure you save nodes and edges before changing floors, if not your changes will be lost.**

# Directories

Department Name	Department Services	Building	Floor	Phone Number
Ambulatory Radiology (X-ray & CT scan)	N/A	Main Hospital	2	N/A
Bornstein Amphitheater	N/A	Main Hospital	2	N/A
Boston Children's Hospital, Bridge to	N/A	Main Hospital	2	N/A
Breast Imaging, Lee Bell Center	N/A	Main Hospital	2	N/A
Brigham Circle Medical Associates (BCMA)	N/A	Main Hospital	2	N/A
Brigham Medical Specialties / Schuster Transplant	N/A	Main Hospital	2	N/A
Cafeteria	N/A	Main Hospital	2	N/A
Carrie Hall Conference Room	N/A	Main Hospital	2	N/A
Center for Weight Management & Metabolic Surgery	N/A	Main Hospital	2	N/A
Chest Diseases, Center for	N/A	Main Hospital	2	N/A
Comprehensive Breast Health Center	N/A	Main Hospital	2	N/A
Dental Group / Oral Medicine	N/A	Main Hospital	2	N/A
Ear, Nose and Throat (ENT)	N/A	Main Hospital	2	N/A
Echocardiography Lab (ECHO)	N/A	Main Hospital	2	N/A
Electrophysiology	N/A	Main Hospital	2	N/A
Endocrine - Diabetes	N/A	Main Hospital	2	N/A

This page serves as the directory management interface for Mass General Brigham. It enables users to view, filter, and manage departmental information across different hospital locations. The page is structured with filter options on the left, a dynamic table of department listings in the center, and building-specific tabs to refine which data is displayed. This setup supports efficient navigation and maintenance of directory data.

# Filters

The screenshot shows the Mass General Brigham directory interface with a focus on the 'Filters' section. On the left, there's a sidebar with 'Filters' and 'Import New Directory' sections. The 'Filters' section contains four input fields: 'Dept Name' (with 'Care' typed), 'Services' (with 'Filter services'), 'Floor' (with 'Filter floor'), and 'Phone' (with 'Filter phone'). Below these is a 'Clear Filters' button. The 'Import New Directory' section has fields for choosing a file, upload type ('Update'), export format ('CSV'), and two action buttons: 'Upload!' and 'Export!'. At the top right, there are navigation links: Directions, Directories, Service Requests, About, Map Editor, and user icons for microphone and profile. A main search area features a row of buttons for 'All', 'Chestnut Hill', '20 Patriot Place', '22 Patriot Place', 'Faulkner', and 'Main Campus'. Below this is a table listing department details.

Department Name	Department Services	Building	Floor	Phone Number
Jen Center for Primary Care	N/A	Main Hospital	2	N/A
Primary Care Physicians		Faulkner Hospital	1	
Primary Care Physicians		Faulkner Hospital	1	
Psychiatric Inpatient Care		Faulkner Hospital	1	
Backup Child Care Center (Monday-Friday, 8am-4:30pm)	Backup childcare for employees	Chestnut Hill	1	617-732-9543
Primary Care	Primary Care	22 Patriot Place	4	(508) 718-4050
Urgent Care Center	Urgent Care	20 Patriot Place	1	508-718-4400

The filters section allows users to narrow down visible directory entries by entering search terms for department name, services, floor, or phone number. Each filter field supports keyword-based matching and updates the table results in real-time as the user types, making it a live filtering experience. The "Clear Filters" button resets all filters to their default state, enabling users to quickly return to the full dataset.

## Tables

The screenshot shows a web-based directory system for Mass General Brigham. At the top, there's a navigation bar with links for Directions, Directories, Service Requests, About, and Map Editor, along with a microphone icon and a user profile icon.

**Filters:** On the left, there are four filter sections: Dept Name (with a 'Filter department name' input), Services (with a 'Filter services' input), Floor (with a 'Filter floor' input), and Phone (with a 'Filter phone' input). Below these is a 'Clear Filters' button.

**Import New Directory:** This section includes fields for 'Choose directory file' (with a 'Choose File No file chosen' placeholder), 'Choose upload type' (with a dropdown set to 'Update'), 'Choose export format' (with a dropdown set to 'CSV'), and two buttons: 'Upload!' (blue) and 'Export!' (yellow).

**Building Tabs:** A row of buttons at the top right allows filtering by building: All, Chestnut Hill, 20 Patriot Place, 22 Patriot Place (which is highlighted in blue), Faulkner, and Main Campus.

**Table of Departments:** The main content area displays a table with columns: Department Name, Department Services, Building, Floor, and Phone Number. The table lists several departments with their respective details. For example, 'Multi Specialty Clinic' offers Allergy, Cardiac Arrhythmia, Dermatology, Endocrinology, Gastroenterology, Kidney (Renal), Medicine, Neurology, Neurosurgery, Ophthalmology, Optometry, Pulmonology, Rheumatology, Vein Care Services, and Women's Health.

Department Name	Department Services	Building	Floor	Phone Number
Blood Draw / Phlebotomy	Blood Draw / Phlebotomy	22 Patriot Place	4	N/A
Community Room	Community Room	22 Patriot Place	4	N/A
Mass General Hospital for Children	Mass General Hospital for Children	22 Patriot Place	1	888-644-3248
Multi Specialty Clinic	Allergy, Cardiac Arrhythmia, Dermatology, Endocrinology, Gastroenterology, Kidney (Renal), Medicine, Neurology, Neurosurgery, Ophthalmology, Optometry, Pulmonology, Rheumatology, Vein Care Services, Women's Health	22 Patriot Place	3	1-866-378-9164
Patient Financial Services	Patient Financial Services	22 Patriot Place	3	N/A
Primary Care	Primary Care	22 Patriot Place	4	(508) 718-4050
Spaulding Outpatient Center for Children	Spaulding Outpatient Center for Children	22 Patriot Place	1	(857) 307-3202

**Help:** A 'Help' button with a question mark icon is located in the bottom right corner of the main content area.

The table displays a list of departments with key details: department name, services offered, building location, floor number, and phone number. Each row corresponds to one department, and the table updates automatically based on applied filters or selected building tabs. The top row of building-specific buttons (e.g., Chestnut Hill, Faulkner) enables quick geographic filtering of department data.

## Import/Export Directories

The import new directory section allows users to upload a new directory file in CSV format, but it is only visible to users with admin privileges. Admins can choose whether to update the existing data or completely replace it, effectively modifying or overwriting the current database for the directories. After upload, the new data is immediately reflected in the main table. This section also provides the ability to export the current list of directories into a CSV or JSON file, selected by the “Choose export format” dropdown, making it easy to back up or share the directory contents.

# Service Requests

The screenshot shows the 'Service Requests' page. At the top, there's a navigation bar with links for 'Directions', 'Directories', 'Service Requests', 'About', and 'Map Editor'. On the right side of the header are icons for a microphone and user profile.

**Create New Request:** A sidebar on the left contains a 'New Request +' button and five expandable categories: Transportation +, Translation +, Sanitation +, Medical Device +, and Maintenance +.

**Filters:** Another sidebar on the left lists filter options: Employee Name (with a 'Filter employee name' input), Department (with a 'Filter department' input), Status (with a 'Filter status' input), Priority (with a 'Filter priority' input), and Request Date (with a date range input from 'mm/dd/yyyy, --:--' to 'mm/dd/yyyy, --:--'). Below these are 'Clear Filters' and 'Request Breakdown' buttons.

**Request Categories:** Above the main table, there are six buttons: All (highlighted in teal), Transport, Translation, Sanitation, Medical Device, and Maintenance.

**Table:** The main content area is a table showing service requests. The columns are: Request ID, Employee Name, Department, Status, Priority, Request Date, Request Time, and Service Type. The data is as follows:

Request ID	Employee Name	Department	Status	Priority	Request Date	Request Time	Service Type
1	Unassigned	Cardiology	Pending	High	2025-05-06	22:22	Maintenance Request
2	Unassigned	Headache	In Progress	Medium	2025-05-06	22:22	Sanitation
3	Unassigned	Oncology	Completed	Low	2025-05-06	22:22	Translation
4	Adminh Ha	N/A	Pending	High	2025-05-06	22:22	Patient Transportation
5	Test A Person	Sports Medicine Center	Pending	Medium	2025-05-06	22:22	Medical Device
6	Test B Person	Center for Pain Medicine	In Progress	Low	2025-05-06	22:22	Maintenance Request
7	Unassigned	Radiology, MRI/CT scan	Completed	High	2025-05-06	22:22	Sanitation

This page serves as a centralized interface for managing and monitoring hospital service requests at Mass General Brigham. Its core purpose is to streamline hospital operations by offering staff and administrators a clear, organized view of all active and completed service tasks across departments. From patient transport and sanitation to maintenance and translation requests, the page allows users to track, filter, and analyze real-time data on hospital needs. The interface is structured to support both individual task management and high-level oversight. On the left, users can narrow down the request list using detailed filters such as employee name, department, status, priority, and request date, while the main table dynamically displays matching entries. A form system simplifies the creation and updating of requests, ensuring data consistency across the platform. In addition, the Request Breakdown feature visualizes patterns in request distribution, helping hospital administrators make data-driven decisions. Altogether, this page functions as both a task manager and a decision-support tool, enhancing operational efficiency, accountability, and communication across the hospital network.

# Filters

The screenshot shows a web-based application for managing service requests. At the top, there is a navigation bar with links for 'Directions', 'Directories', 'Service Requests', 'About', and 'Map Editor'. To the right of the navigation are icons for a microphone and a user profile.

On the left side, there is a sidebar titled 'Filters' containing several input fields:

- 'Employee Name' with a placeholder 'Unass'.
- 'Department' with a placeholder 'Filter department'.
- 'Status' with a placeholder 'Filter status'.
- 'Priority' with a placeholder 'Filter priority'.
- 'Request Date' with a placeholder 'mm/dd/yyyy, --:-- --' and a calendar icon.

Below these fields are two buttons: 'Clear Filters' and 'Request Breakdown'.

At the top center, there is a horizontal navigation bar with tabs: 'All', 'Transport', 'Translation', 'Sanitation', 'Medical Device', and 'Maintenance'. The 'All' tab is currently selected.

On the right side, there is a table displaying service requests:

Request ID	Employee Name	Department	Status	Priority	Request Date	Request Time	Service Type
1	Unassigned	Cardiology	Pending	High	2025-05-06	22:22	Maintenance Request
2	Unassigned	Headache	In Progress	Medium	2025-05-06	22:22	Sanitation
3	Unassigned	Oncology	Completed	Low	2025-05-06	22:22	Translation
7	Unassigned	Radiology, MRI/CT scan	Completed	High	2025-05-06	22:22	Sanitation

The Filters section provides dynamic, real-time control over which service requests are displayed in the table. It uses live filtering, meaning that as users type into input fields or select from dropdowns (for employee name, department, status, priority, and request date), the list of visible requests updates immediately without needing a manual search button. This allows for faster navigation and more responsive data exploration. To improve usability, a Clear Filters button is included at the bottom of the panel, which instantly resets all filters and restores the full list of requests. This setup enables users to seamlessly explore the dataset, isolate specific requests, and quickly reset the view for a broader operational perspective.

## Tables

The screenshot shows a web-based service request management system. At the top, there is a navigation bar with links for 'Directions', 'Directories', 'Service Requests', 'About', and 'Map Editor'. To the right of the navigation are icons for a microphone and user profile.

On the left side, there is a sidebar titled 'Create New Request' with a button for 'New Sanitation Request+'. Below this, there is a section titled 'Filters' containing several input fields:

- Priority: 'Filter priority'
- Status: 'Filter status'
- Sanitation Type: 'Filter sanitation type'
- Hazard: 'Filter hazard'
- Complete By: A date input field with placeholder 'mm/dd/yyyy, --:-- --' and a clear icon.

At the bottom of the sidebar is a 'Clear Filters' button.

The main content area features a table with the following columns: Priority, Status, Sanitation Type, Hazard Level, and Complete By Date. The table has two rows of data:

Priority	Status	Sanitation Type	Hazard Level	Complete By Date
Medium	In Progress	Chemical Spill Cleanup	Moderate	2025-02-15
High	Completed	Biohazard Cleanup	High	2025-01-28

At the top of the main content area, there is a row of tabs: All, Transport, Translation, Sanitation (which is highlighted in teal), Medical Device, and Maintenance.

The Tables section displays all service requests in a structured, scrollable format that updates dynamically based on the user's selected filters or active tab. Each row in the table presents detailed information relevant to the currently selected service type. A row of tabs at the top allows users to quickly sort requests by type, such as Transport, Sanitation, Translation, and others, making it easy to isolate and focus on specific categories. For users with administrative privileges, the table also enables editing functionality, allowing them to click on a request and update its details through the form interface. This feature helps authorized staff manage workflows efficiently and keep data up to date, all within a single, cohesive page.

## Forms

The image displays two screenshots of a mobile application interface, specifically focusing on the 'Patient Transport Request' form.

**Top Screenshot:** This shows the initial state of the form. It includes fields for Employee (Unassigned), Patient ID (0), Type (Select Transport Type), Priority (Select Priority), Pickup (Select Pickup Location), Destination (Select Destination Location), and Transport Date (mm/dd/yyyy, --:-- --). There is also an 'Additional Comments' text area at the bottom.

**Bottom Screenshot:** This shows the form after some data has been entered. The 'Type' field now contains 'Select Transport Type'. The 'Priority' field contains 'Select Priority'. The 'Destination' field contains 'Select Destination Location'. The 'Transport Date' field contains 'mm/dd/yyyy, --:-- --'. The 'Additional Comments' text area contains 'Notes for transportation'. At the bottom of the form, there are two buttons: a blue 'Submit Request' button and a yellow 'Clear Form' button.

The Forms section is used to create and edit service requests, and it adapts dynamically based on the selected service type. Each type of service request—such as Transport, Sanitation, Translation, and others—has its own unique form with fields tailored to the information required.

for that specific request. This ensures that all relevant data is captured accurately while keeping the form layout streamlined and intuitive. Each form includes a submit button to send the request to the database and a clear form button that resets all fields to their default values, allowing users to start over easily if needed. For users with administrative permissions, these forms also serve as an editing interface, enabling updates to existing requests directly from the table. This design supports both request creation and administrative task management within a single, consistent workflow.

## Request Breakdown



The Request Breakdown feature is designed to display service request data as meaningful visual insights. By clicking the corresponding button, users are presented with pie charts, bar graphs, or other data visualizations that summarize the distribution of requests across categories such as service type, priority level, or status. These visual summaries offer a high-level view of operational trends and potential bottlenecks, supporting more effective resource planning and decision-making. Clear color coding and consistent chart legends help ensure that the breakdowns are intuitive and easy to understand, even for users without a technical background.

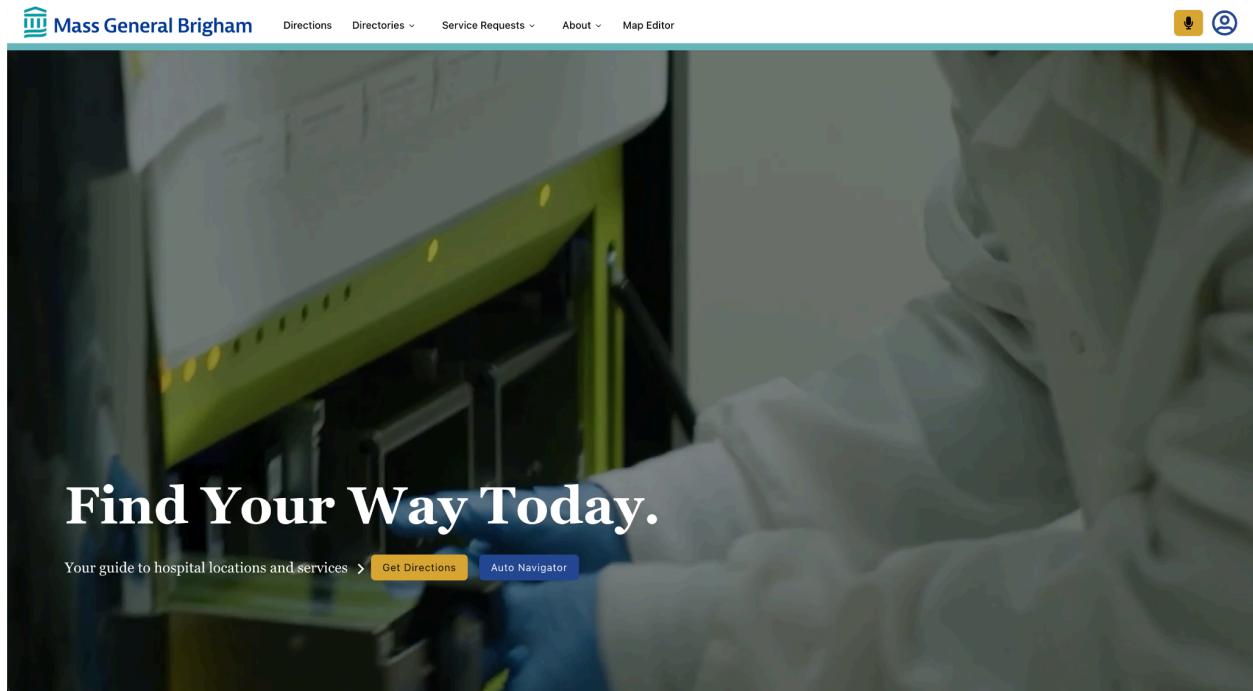
# Credits

The screenshot displays two versions of a 'Credits Page' from the 'Mass General Brigham' website. The top version lists six technologies: PostgreSQL (Relational Database Management System, v14.17), Express.js (Web Application Web Framework, v5.1.0), React (JavaScript Library, v19.1.0), Node.js (Open Source Runtime Environment, v22.14.0), Shadcn (UI Component Library, v14.17), and Tailwind (CSS Framework, v4.1.3). The bottom version lists six technologies: Jetbrains Webstorm (IDE for our Application, v2024.3.5), Adobe Illustrator (Vector Graphics Editor, v29.5), React Google Maps (React Integration, v1.5.2), Google Text-to-Speech (Text-to-Speech API, v6.0.1), Blender (Blender, v4.4), Three.js (ThreeJS, v0.176.0), Auth0 (Authentication Service, v2.1.1), and groq (AI ASIC, groq).

Technology	Description	Version
PostgreSQL	Relational Database Management System	v14.17
Express.js	Web Application Web Framework	v5.1.0
React	JavaScript Library	v19.1.0
Node.js	Open Source Runtime Environment	v22.14.0
Shadcn	UI Component Library	v14.17
Tailwind	CSS Framework	v4.1.3
Jetbrains Webstorm	IDE for our Application	v2024.3.5
Adobe Illustrator	Vector Graphics Editor	v29.5
React Google Maps	React Integration	v1.5.2
Google Text-to-Speech	Text-to-Speech API	v6.0.1
Blender	Blender	v4.4
Three.js	ThreeJS	v0.176.0
Auth0	Authentication Service	v2.1.1
groq	AI ASIC	groq

This Credits Page highlights the core technologies and tools used in the project, showing each software's name, purpose, and version. Clicking on any icon redirects users to the official page of that technology for more information.

# Speech Button



The speech button is available on each page (shown in the top-right corner). The purpose of the speech button is to provide users with a different and additional way to interact with the application. Once a user presses the speech button, permission to use the microphone is prompted. Upon allowing microphone usage, the user can navigate the web application however they would like. The speech button allows full site navigation, including filtered directories, Directions, service request forms, and even the team about us page. The speech button can also be used as an accessibility service feature.

# Account

The screenshot shows the 'Account' page for a user named Adminh Ha (Employee ID: 1). On the left, there's a profile card with a placeholder 'SO' profile picture, the name 'Adminh Ha', and the employee ID. Below this are sections for 'Position' (WebAdmin), 'Department' (Allergy and Clinical Immunology), 'Email' (softengd25x@gmail.com), and 'Employee Since' (2025-05-06). To the right, there are three donut charts under 'Request Breakdown': 'Status' (dark blue), 'Priority' (medium blue), and 'Service Type' (light blue, showing 1 entry for Patient Transportation). At the bottom, a table titled 'Assigned Requests' lists one item: Request ID 4, Department N/A, Status Pending, Priority High, Request Date 2025-05-06, Request Time 22:38, and Service Type Patient Transportation.

When you arrive at the account page by clicking the user icon on the top-right and selecting “Account”, it displays the account details of the person logged into the application, the service requests that are assigned to the person signed in, and graphs that display the service requests sorted by category.

## View Employee Information

The employee logged into the application can see their account details. The top of the card displays the profile picture set in Auth0, the employee’s first and last name, and their employee ID. At the bottom of the card displays the employee’s position, department, email, and the date they became an employee.

## View Service Request Graphs (Status, Priority, Type)

Graphs displayed on the right sort the service requests assigned to the user currently logged into the application. The service requests are sorted in these graphs by status, priority, and service type.

## View Service Request Table

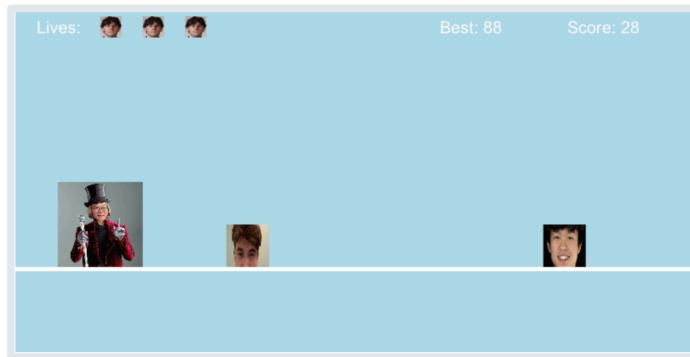
The service request table displays the assigned requests to the user currently logged into the application. Some of the fields displayed on the table include the department, status, priority, request date, and service type.

# 404



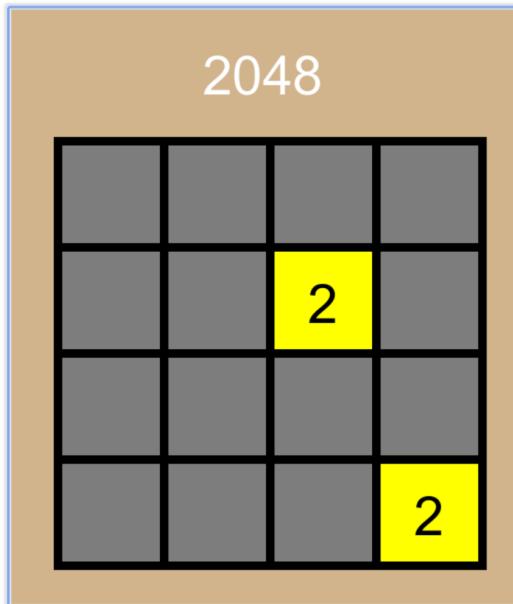
If a user attempts to reach a non-existent page, they will be directed to the 404 Page Not Found page, where they are given the option to play from a choice from two games.

## Dino Game



Help Professor Wong dodge the incoming Team C students. Press the up arrow to jump over the obstacles. You have three lives. Successfully jumping over a Team C member grants you 25 points, and every second survived grants 1 point. The longer you survive, the faster Team C will come after you.

# 2048



From the site's 404 page, you can access the 2048 game. Use the arrow keys to slide the tiles across the screen in the given direction. Merge tiles of the same value to get all the way up to the 2048 tile.

# About

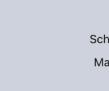
## Meet the Devs

 **Mass General Brigham** Directions Directories Service Requests About Map Editor  

### Meet the Developers of Team C

 <b>Minh Ha</b> Lead Software Engineer Github: <a href="#">@minh-bahaha</a>	 <b>Andrew Melton</b> Co-Lead Software Engineer Github: <a href="#">@Andrew13</a>
 <b>Pakorn Liengsawangwong</b> Co-Lead Software Engineer Github: <a href="#">@pako490</a>	 <b>Krish Patel</b> Assistant Lead Software Engineer Github: <a href="#">@krishpate1</a>
 <b>Jake Lariviere</b> Assistant Lead Software Engineer Github: <a href="#">@jlariv11</a>	 <b>Max Jeronimo</b> Backend / Databases Github: <a href="#">@max-jeronimo</a>

 **Mass General Brigham** Directions Directories Service Requests About Map Editor  

 <b>Vinam Nguyen</b> Algorithms / Project Manager Github: <a href="#">@vinamnguyen</a>	 <b>Jack Morris</b> School Year: Class of 2026 Major: Computer Science "Where is my ERD?"
 <b>Yael Whitson</b> Frontend / Documentation Analyst Github: <a href="#">@whywhitson</a>	 <b>Haotian(Sean) Liu</b> Frontend / Product Owner Github: <a href="#">@seanliu7081</a>
 <b>Kai Davidson</b> Team Coach	 <b>Wilson Wong</b> Professor

**Special Thanks to:**

 Brigham and Women's	 <b>Andrew Shinn</b> <small>Brigham and Women's</small>
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This page introduces the members of Team C at Mass General Brigham through a grid of interactive profile cards, each displaying a developer's name, role, and GitHub handle. The team includes lead and assistant software engineers, backend and frontend developers, a project manager, a documentation analyst, and support roles like a team coach and professor. At the

bottom, a “Special Thanks” section acknowledges key contributors and partner institutions. Clicking on any card flips it to reveal additional details about the developer, offering an engaging and informative way to learn more about the team.