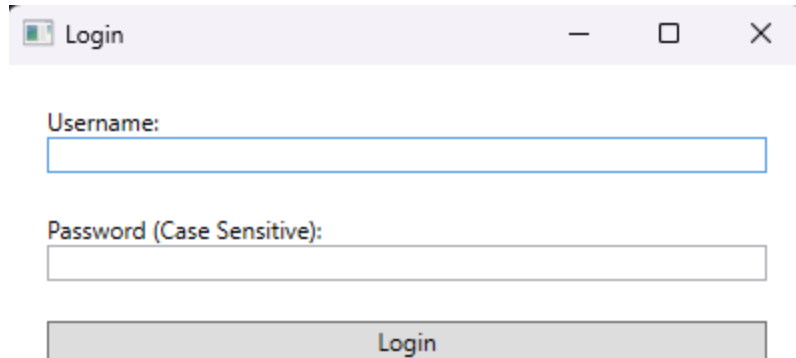


User Interface Specification

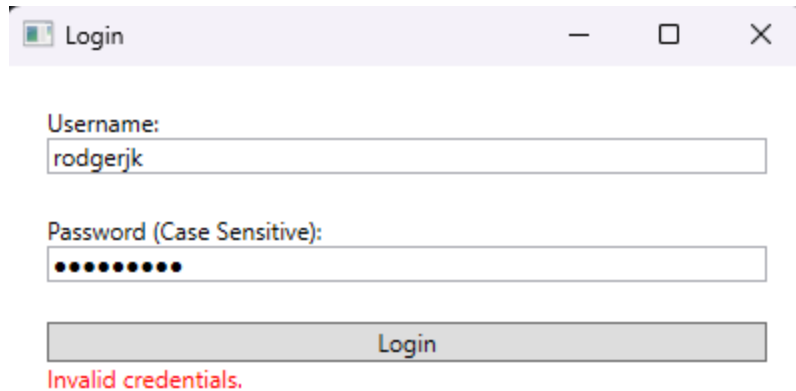
Login Window

Below is the login window that opens when you launch the application.



A screenshot of a login window titled "Login". It features two input fields: "Username:" and "Password (Case Sensitive):". Below the password field is a "Login" button.

If the user enters incorrect login information, it looks like the following:



A screenshot of the login window showing incorrect login information. The "Username:" field contains "rodgerjk" and the "Password (Case Sensitive):" field contains masked characters (dots). Below the password field is a "Login" button. Below the button, the text "Invalid credentials." is displayed in red.

Main Window

The main window is broken into four main tabs: Patients, Inventory, Suppliers, and Order Tickets. I will go over each one.

Patients

As shown below, the Patients tab includes a listbox on the left containing the names of every patient in "Last name, First name" format. Selecting one will have that patient's information appear on the right. There are also three buttons, "Add New Patient", "Edit Patient Information", and "Create Work Order". The buttons all do what is named, but further details will be provided

later.

The screenshot shows the MediStore Manager application with the 'Patients' tab selected. On the left, a listbox contains a search bar and a list of patient names. 'Martinez, Daniel' is selected. On the right, the 'Info' tab is active, displaying patient details:

First Name:	Daniel	Middle Name:	B
Last Name:	Martinez	ID:	8
Street Address:	905 Laurel Ln	Home Phone #:	5195200261
City:	Washington	Cell Phone #:	8856925274
State:	DC	Zip Code:	20017
Insurance:	Aetna		

At the bottom, there are three buttons: 'Add New Patient', 'Edit Patient Information', and 'Create Work Order'.

There is a search bar for the listbox on the left, and it is located above the listbox. Typing in this search bar will filter the listbox to only display patients whose display name has a substring matching what has been typed.

The screenshot shows the MediStore Manager application with the 'Patients' tab selected. The search bar in the listbox on the left contains the text 'smith'. The listbox is filtered to show only patients with 'smith' in their name. 'Smith, Kenneth' is selected. On the right, the 'Info' tab is active, displaying patient details:

First Name:	Kenneth	Middle Name:	A
Last Name:	Smith	ID:	68
Street Address:	914 Spruce Ct	Home Phone #:	7360898551
City:	Jacksonville	Cell Phone #:	3040228796
State:	FL	Zip Code:	32104
Insurance:	BlueShield		

At the bottom, there are three buttons: 'Add New Patient', 'Edit Patient Information', and 'Create Work Order'.

As you can see, above the box on the right there are two more tabs, "History" and "Additional". The History tab includes summarized information on all work orders the selected patient has had. As more work orders get added, this becomes scrollable so there is no limit to amount of

work orders displayed.

Info

History

Additional

Work Orders:

ID:

7

Type:

Pickup

Date:

1/15/2025

Notes:

Note 621

The additional tab displays the information for the patient's emergency contacts. Each one will have their own entry displayed, with no limit and the window being scrollable.

Info

History

Additional

Emergency Contacts:

First Name:

Donna

Middle Name:

E

Last Name:

Ramirez

ID:

338

Street Address:

901 Ridge Ln

Home Phone #:

471847616

City:

Raleigh

Cell Phone #:

4759044241

State:

NC

Zip Code:

27604

Insurance:

Aetna

Relationship:

Sister

First Name:

Sarah

Middle Name:

Last Name:

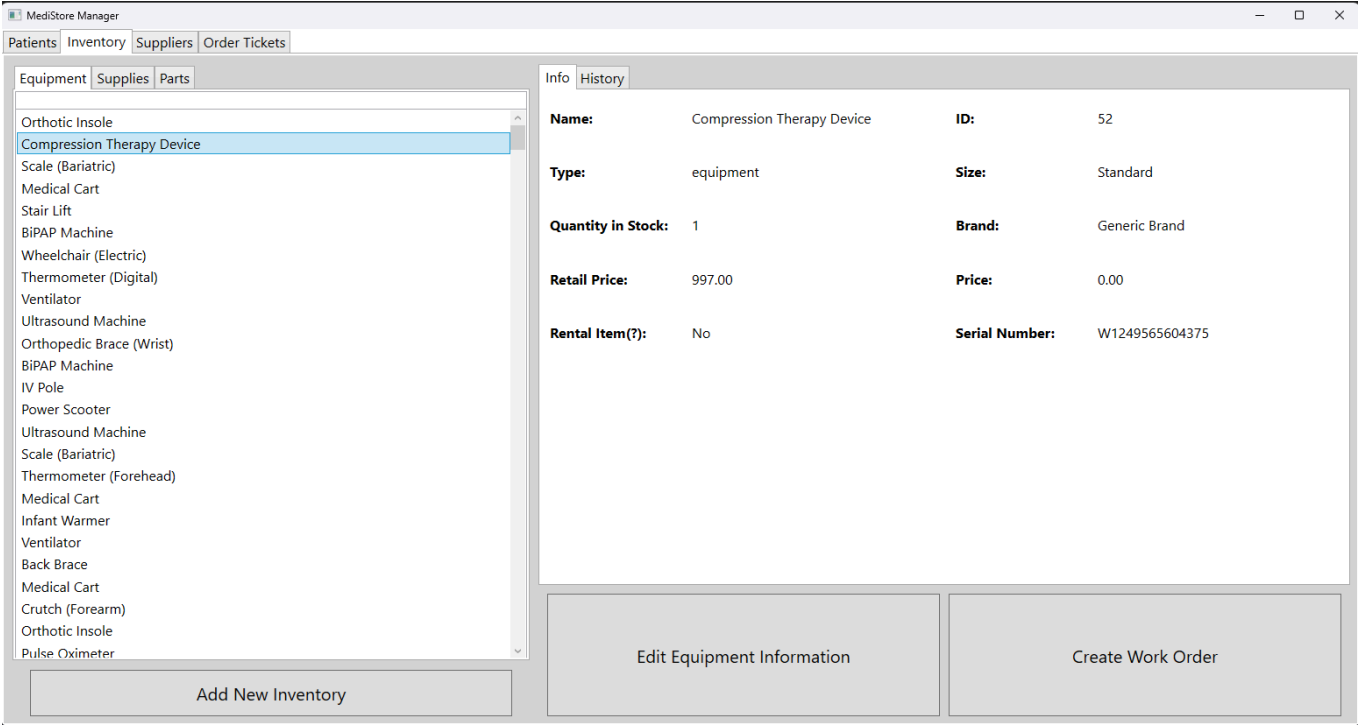
Gonzalez

ID:

538

Inventory

As shown below, the Inventory tab includes a listbox on the left containing the names of every equipment item, supply item, or part, depending on which tab is selected. Those tabs are seen above the listbox and they help with viewing inventory, as each inventory item falls into one of those three categories. There are also three buttons, "Add New Inventory", "Edit Equipment/Supply Item/Part Information" depending on which tab is selected, and "Create Work Order". The buttons all do what is named, but further details will be provided later.



There is also a search box in the listbox on the left. This works exactly the same as the search box for patients, so I will not discuss it further here.

Each inventory item also has a history tab for the box on the right. Selecting it will display summarized information for all work orders and all supply orders that have included this inventory item. Both sections are scrollable, with Work Orders being large enough to display

two entries, and Supply Orders being large enough to display one entry.

Info

History

Work Orders:

ID:

36

Type:

Delivery

Date:

10/31/2024

Notes:

Note 302

ID:

130

Type:

Pickup

Date:

6/22/2024

Notes:

Note 713

Supply Orders:

ID:

9

Date:

8/18/2024

Supplier:

Becton Dickinson

Quantity Ordered:

48

Suppliers

As shown below, the Suppliers tab includes a listbox on the left containing the names of every supplier. Selecting one will have that supplier's information appear on the right. There are also three buttons, "Add New Supplier", "Edit Supplier Information", and "Create Supply Order". The

buttons all do what is named, but further details will be provided later.

MediStore Manager

Patients | Inventory | **Suppliers** | Order Tickets

Baxter International
Becton Dickinson
Cardinal Health
Fresenius Medical Care
GE Healthcare
Golden Technologies
Invacare
Johnson & Johnson
Medline
Medtronic
Philips Healthcare
Pride
Siemens Healthineers
Stryker Corporation

Info | History

Name: GE Healthcare **Business Phone #:** 8901234567

Street Address: 789 Locust Dr **City:** Milwaukee

State: WI **Zip Code:** 53213

Partner ID: 1008

Add New Supplier

Edit Supplier Information

Create Supply Order

There is also a search box in the listbox on the left. This works exactly the same as the search box for patients, so I will not discuss it further here.

Each supplier has a history tab that displays summarized information for every supply order from that supplier. The window is scrollable so there is no limit to the amount of supply orders

that can be displayed here.

Info History			
Orders:			
ID:	16	Date:	5/18/2024
ID:	31	Date:	9/21/2024
ID:	42	Date:	12/8/2024
ID:	48	Date:	5/21/2024
ID:	75	Date:	9/30/2024
ID:	99	Date:	7/5/2024

Order Tickets

As shown below, the Order Tickets tab includes a listbox on the left containing the display names for every work or supply order, depending on which tab is selected. Those tabs are located above the listbox and allow the user to switch between viewing supply orders or work orders. The display name format for work orders, as they all are for a patient, is "Patient First name Last name - Order date". The display name format for supply orders, as they are all from a supplier, is "Supplier name - Order date". Selecting one will have that order's information appear on the right, with all relevant inventory items being scrollable as there can be any number of inventory items for an order. There are also three buttons, "Update Selected Work/Supply Order" depending on which tab is selected, "Create Work Order", and "Create

Supply Order". The buttons all do what is named, but further details will be provided later.

The screenshot shows the MediStore Manager application with the 'Order Tickets' tab selected. The interface is divided into several sections:

- Top Navigation:** Patients, Inventory, Suppliers, Order Tickets.
- Left Panel:** A list of patients with their names and dates. The first patient, Brian Nelson - 2/14/2025, is selected.
- Right Panel:** Order details for the selected patient.
 - Order ID:** 4
 - Order Type:** Delivery
 - Patient ID:** 4
 - Date:** 9/23/2024
 - Notes:** Note 42
 - Date of Payment:**
- Inventory Items:** A list of items with their inventory IDs and quantities.
 - Alcohol Wipes:** Inventory ID: 4, Quantity: 9
 - Scale (Digital):** Inventory ID: 402, Quantity: 1
 - Blood Pressure Monitor:** Inventory ID: 437
- Buttons:** 'Update Selected Work Order' (bottom left), 'Create Work Order' (bottom right), and 'Create Supply Order' (bottom right).

There is also a search box in the listbox on the left. This works exactly the same as the search box for patients, so I will not discuss it further here.

Add/Edit Patient Pop-up Window

Selecting "Add New Patient" will bring up this pop-up. The user will fill in all relevant information to save for the patient.

Add Patient

Patient Information

First Name:

Middle Name:

Last Name:

Home Phone #:

Cell Phone #:

Street Address:

City:

State:

Zip Code:

Insurance Provider:

Patient Contacts:

Selecting the "Add New Contact" button will pull up another pop-up window for the user to enter the contact information.

Add Contact

Enter Contact Information

First Name:

Middle Name:

Last Name:

Home Phone #:

Cell Phone #:

Street Address:

City:

State:

Zip Code:

Insurance Provider:

Relationship to Patient:

When a contact is added, it will appear beneath the button in "Last name, First name" format with an X next to it in case the user would like to remove it. Any number of contacts can be added and if there are enough the window will become scrollable to support the added length.

This screenshot shows a window for managing patient contacts. At the top, there is a text input field labeled "Insurance Provider:". Below it is a button labeled "Add New Contact". Under the button, the text "Rodgers, Jackson" is displayed next to a small square button with an "X" icon, indicating a removable contact. At the bottom of the window are two buttons: "OK" and "Cancel".

Now, when the user selects "Edit Patient Information" it will pull up the same window with some minor differences. This window will be pre-filled with all existing information for the selected patient, and there will also be a delete button at the top to give the option to fully delete the patient. The delete button will be grayed out if the user does not have admin level privileges.

This screenshot shows the "Add Patient" window, which is pre-filled with patient information. The window title is "Add Patient". Inside, there is a section titled "Patient Information" with a "Delete Patient" button. Below this, various fields are pre-filled: "First Name" (Kenneth), "Middle Name" (empty), "Last Name" (Lewis), "Home Phone #" (3068234914), "Cell Phone #" (3368012759), "Street Address" (237 Cypress Pl), "City" (Indianapolis), "State" (IN), "Zip Code" (46215), and "Insurance Provider" (Aetna). At the bottom, there is a "Patient Contacts" section with an "Add New Contact" button, followed by the text "Martin, Andrew" and a small square button with an "X" icon. At the very bottom are "OK" and "Cancel" buttons.

Add/Edit Inventory Pop-up Window

Selecting "Add New Inventory" will open this pop-up window. The user will enter all relevant information to save for the inventory item. The dropdown contains three values: "equipment", "supply", and "part". These are used to break down the inventory items into three separate

types.

Add Inventory

Enter Inventory Information

Name:

Type:

Serial Number:

Size:

Brand:

Quantity:

Price:

Retail Price:

Rental Item(?): ☐ Yes ☐ No ☐ Not Applicable

Rental Price:

When the user selects "Edit Equipment/Part/Supply Item Information" button, it will open up this same window, though it will be pre-filled with the existing values for the selected item. The functionality of the delete button is the same as for patients.

Add Inventory

Enter Inventory Information

Name:

Type:

Serial Number:

Size:

Brand:

Quantity:

Price:

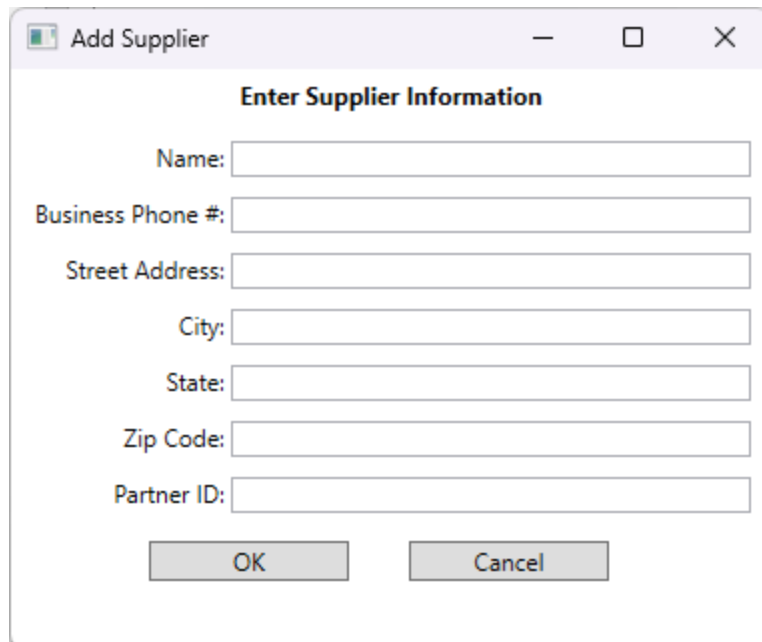
Retail Price:

Rental Item(?): ☐ Yes ☒ No ☐ Not Applicable

Rental Price:

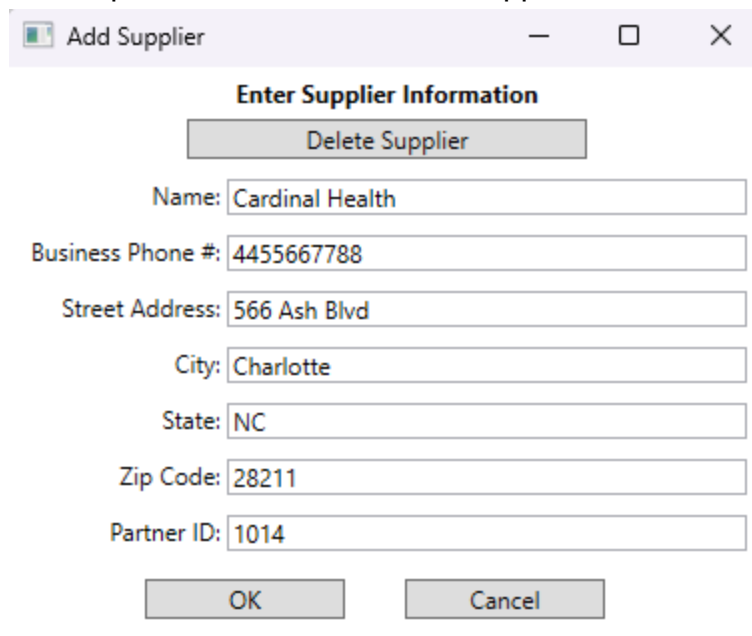
Add/Edit Supplier Pop-up Window

Selecting "Add New Supplier" will open this pop-up window. The user will enter all relevant information to save for the new supplier.



The screenshot shows a standard Windows-style pop-up window titled "Add Supplier". It features a title bar with a green icon, a minus sign, a maximize button, and a close button. The main content area is titled "Enter Supplier Information" in bold. Below the title, there are seven text input fields, each preceded by a label: "Name:", "Business Phone #:", "Street Address:", "City:", "State:", "Zip Code:", and "Partner ID:". At the bottom of the window, there are two buttons: "OK" and "Cancel".

Selecting "Edit Supplier Information" button will open this same window, but with the existing values pre-filled for the selected supplier. The delete button works the same as for patient.



This screenshot shows the same "Add Supplier" window, but with pre-filled data and an additional button. The title bar remains the same. Below the "Enter Supplier Information" title, a "Delete Supplier" button is positioned above the first input field. The input fields now contain the following text: "Name: Cardinal Health", "Business Phone #: 4455667788", "Street Address: 566 Ash Blvd", "City: Charlotte", "State: NC", "Zip Code: 28211", and "Partner ID: 1014". The "OK" and "Cancel" buttons are still at the bottom.

Create/Update Work Order Pop-up Window

Selecting "Create Work Order" will open this pop-up window. The first field has three possible options for Order Type: Delivery, Repair, and Pickup. The second field contains a list of all existing patients and the user can either scroll through and select the patient for whom this work order is for, or start typing in the search box and select the patient from the filtered list. This

allows the user to also search for a patient by ID number.

Work Order

Order Type:

Patient: Anderson, Jessica [4]
Williams, Michelle [1]
Nelson, Brian [2]
Lewis, Kenneth [3]
Anderson, Jessica [4]
Allen, Melissa [5]
Garcia, Charles [6]
Martinez, Daniel [8]

Inventory Items:

Order Date: 15

Date of Payment: 15

Notes:

Selecting "Add New Inventory Item" in this window will open up a pop-up window containing a listbox, with a search bar, of all inventory items that are in stock and a quantity box. As work orders take from existing quantity, next to the quantity box shows the total number in stock and the user is not allowed to enter a higher value.

Inventory Selection

Wheelchair (Electric)
Compression Therapy Device [equipment]
Power Scooter [equipment]
Ultrasound Machine [equipment]
Orthopedic Brace (Ankle) [equipment]
Wheelchair (Electric) [equipment]
Portable Oxygen Tank [equipment]
Portable Oxygen Tank [equipment]
Fetal Doppler [equipment]
Exam Table [equipment]
Fetal Doppler [equipment]

Quantity: /1

Adding an inventory item will add it to the main pop-up window, where there will be an X button to delete it. The "Add New Inventory Item" will still appear as the user can select any number of inventory items. There will also be a button "Add Related Inventory" for each inventory item added. This is optional and will only be used for repairs. On a repair, the user would select the part being used for repair, and then the related inventory item will be the equipment that is being repaired.

Inventory Items:

Add New Inventory Item

Wheelchair (Electric)

Qty: 1

X

Related Inventory:

Add Related Inventory

Selecting "Updated Selected Work Order" will open this pop-up window with all values pre-filled from the selected order. The Delete button works the same as for patients.

Work Order

Delete Work Order

Order Type:

Pickup

Patient:

Garcia, Karen [11]

Williams, Michelle [1]

Nelson, Brian [2]

Lewis, Kenneth [3]

Anderson, Jessica [4]

Allen, Melissa [5]

Garcia, Charles [6]

Martinez, Daniel [8]

Inventory Items:

Add New Inventory Item

Portable Oxygen Tank

Qty: 1

X

Related Inventory:

Add Related Inventory

Suction Machine

Qty: 1

X

OK

Cancel

Suction Machine

Qty: 1

X

Related Inventory:

Add Related Inventory

Order Date:

9/4/2024

15

Date of Payment:

9/8/2024

15

Notes:

Note 726

OK

Cancel

Create/Update Supply Order Pop-up Window

Selecting "Create Supply Order" will open this pop-up window. The first field has a button to "Add New Inventory Item". This works very similar to the same button in work orders, though it will have all inventory items, rather than just ones in stock, and there is no limit to the number entered, as it is adding to stock rather than taking from it. There is also no option to add a related inventory item. The second field is selecting the supplier, and this works pretty much exactly the same as selecting a patient in the work order window.

Supply Order

Inventory Items:

Supplier Name:

Shipping Method:

Order Date: 15

Received Date: 15

Selecting "Update Selected Supply Order" will open this same window, except with all values pre-filled based on selected order's information. The delete button works the same as for patients.

Supply Order

Delete Supply Order

Inventory Items: Add New Inventory Item

Isopropyl Alcohol	Qty: 39	X
Hand Sanitizer	Qty: 33	X
Wound Cleansers	Qty: 92	X
Adhesive Bandages (Assor	Qty: 48	X
Elastic Bandages (Ace Wra	Qty: 4	X
Compression Stockings	Qty: 11	X

Supplier Name: Johnson & Johnson

Baxter International
Becton Dickinson
Cardinal Health
Fresenius Medical Care
GE Healthcare
Golden Technologies
Inviscare

OK

Cancel

Invoice

Shipping Method: Overnight

Order Date: 7/12/2024

15

Received Date: 4/15/2024

15

OK

Cancel