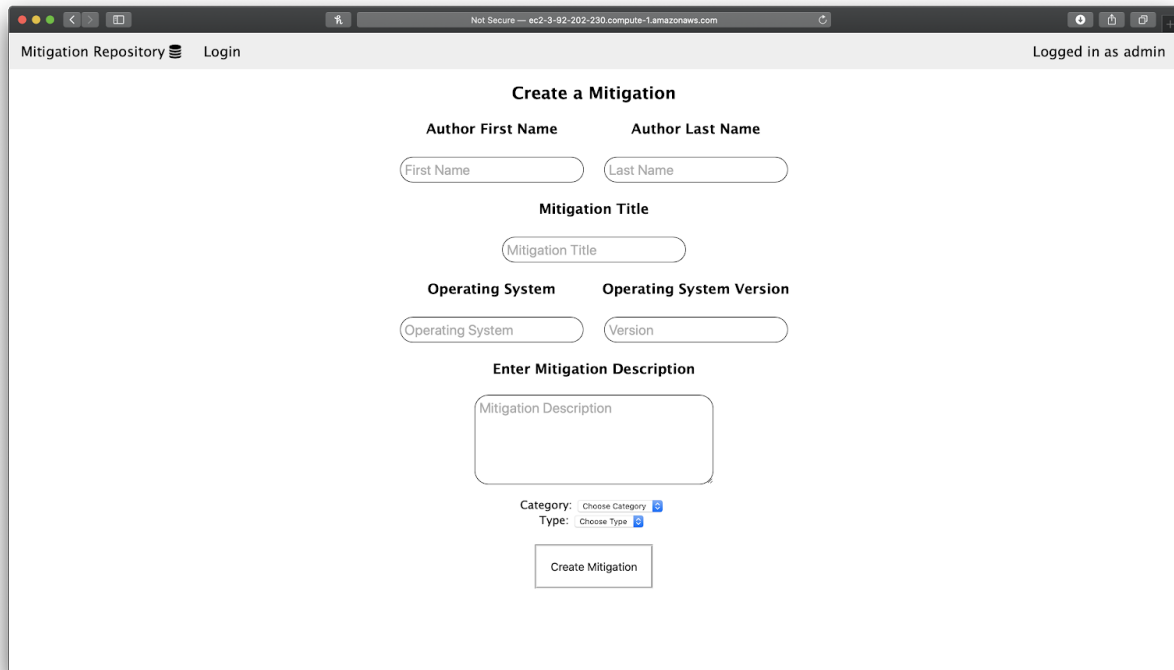


# Sprint 5 Documentation

## Front End Documentation:

### New Create/Fork/Edit Page:

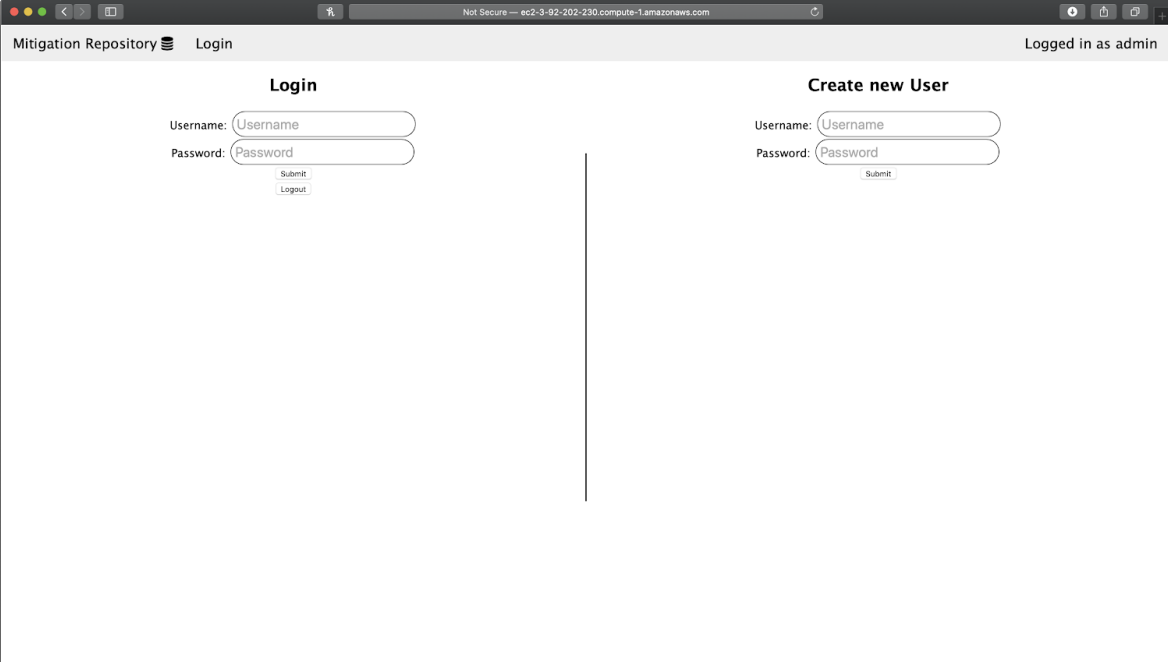


The screenshot shows a web browser window with the address bar displaying "Not Secure - ec2-3-92-202-230.compute-1.amazonaws.com". The page title is "Mitigation Repository" and the user is logged in as "admin". The main heading is "Create a Mitigation". The form contains the following fields and controls:

- Author First Name**: Input field with placeholder "First Name".
- Author Last Name**: Input field with placeholder "Last Name".
- Mitigation Title**: Input field with placeholder "Mitigation Title".
- Operating System**: Input field with placeholder "Operating System".
- Operating System Version**: Input field with placeholder "Version".
- Enter Mitigation Description**: Text area with placeholder "Mitigation Description".
- Category**: Dropdown menu with "Choose Category" and a blue arrow icon.
- Type**: Dropdown menu with "Choose Type" and a blue arrow icon.
- Create Mitigation**: Submit button.

During this sprint, we felt as though styling the create, forking, and editing pages would be extremely beneficial for the user experience. Previously, the pages were designed in a way where the users were required to scroll the page in order to see all of the information that they needed to fill out. We felt as though this could be fixed, so we designed the web pages in a way where corresponding information, such as first name and last name and the operating system information, were next to each other as opposed to stacked. This compresses the web page down to make it look more organized and eliminates the need for users to scroll when creating, forking, or editing.

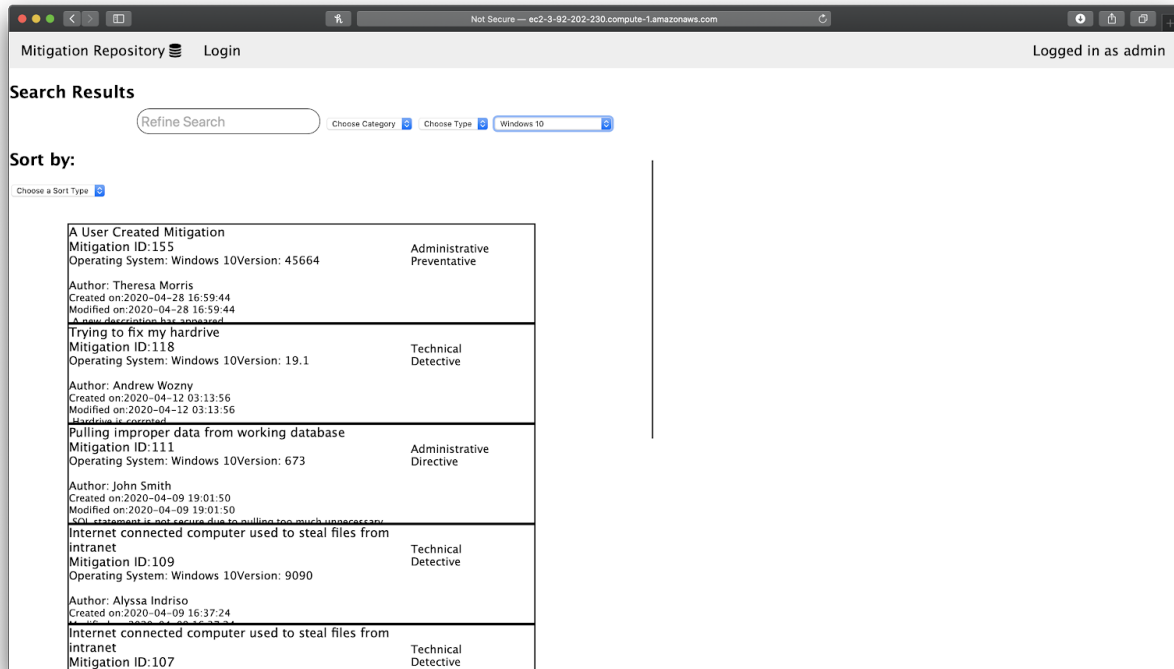
## User Creation:



The screenshot shows a web browser window with the address bar displaying "Not Secure - ec2-3-92-202-230.compute-1.amazonaws.com". The page title is "Mitigation Repository" and the current view is "Login". In the top right corner, it says "Logged in as admin". The page is divided into two main sections by a vertical line. The left section is titled "Login" and contains two input fields: "Username:" with a placeholder "Username" and "Password:" with a placeholder "Password". Below these fields are two buttons: "Submit" and "Logout". The right section is titled "Create new User" and also contains two input fields: "Username:" with a placeholder "Username" and "Password:" with a placeholder "Password". Below these fields is a single "Submit" button.

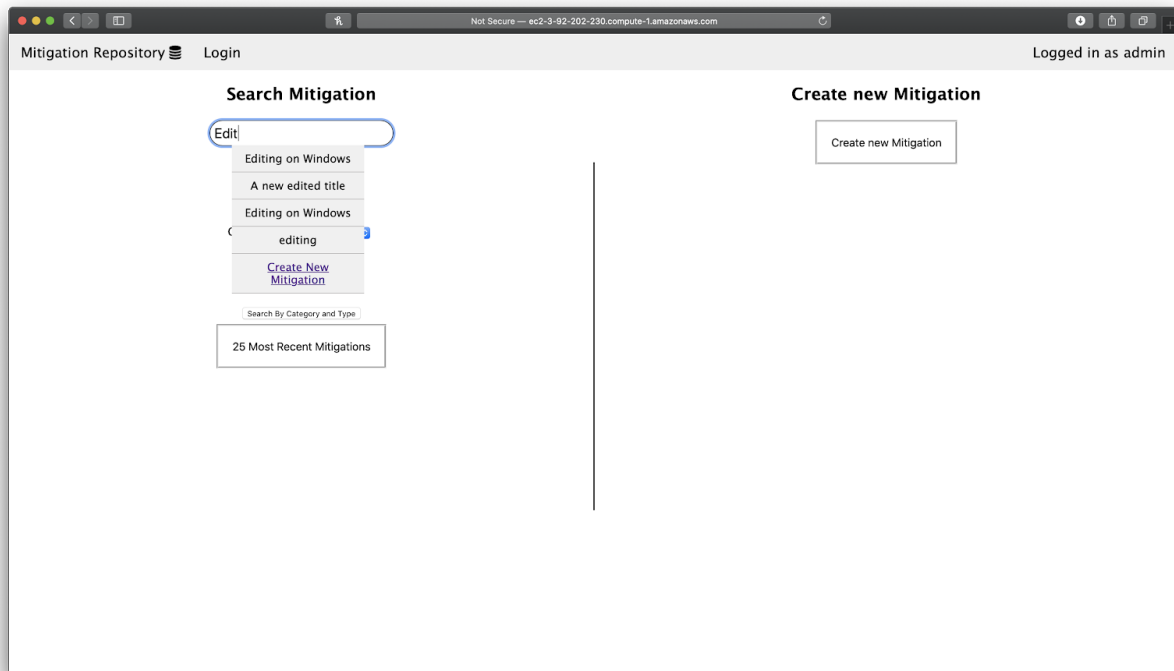
Before creating or forking a mitigation, the users must first log into their Mitigation Repository account. However, if they do not have an account they can easily create one. On the right hand side of the login page, there is an option for users to create an account. In the corresponding text boxes they can enter the username and password that they wish to store as their information. Those same credentials can be used when the user would like to login to their account, allowing them to create or fork a mitigation.

## Filter By System



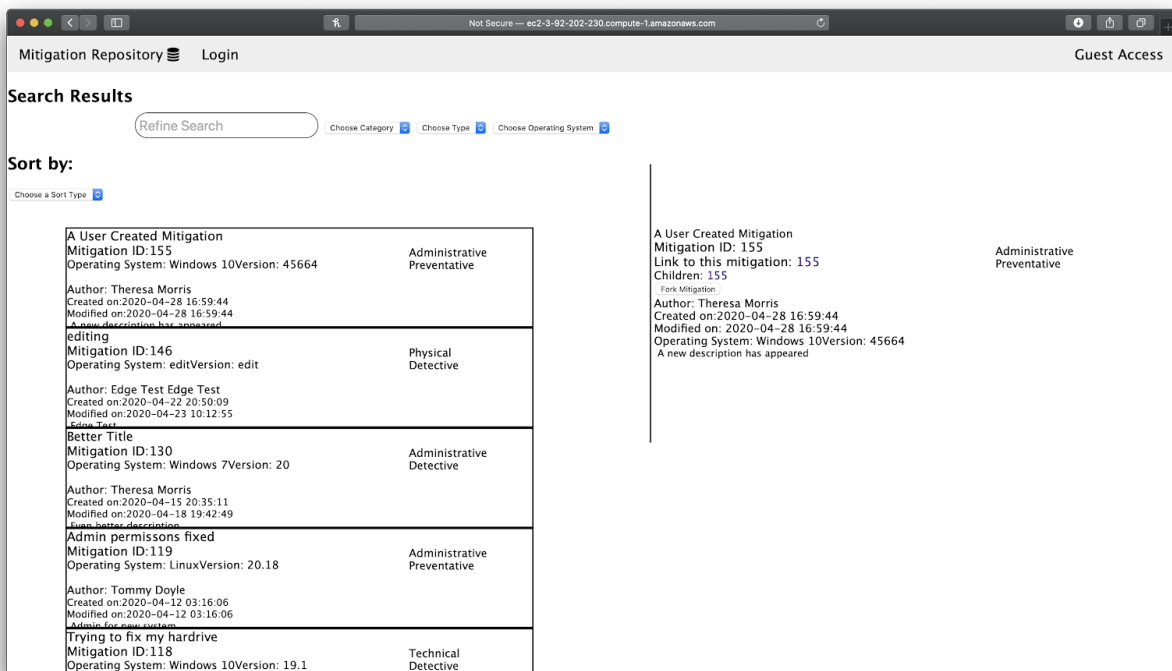
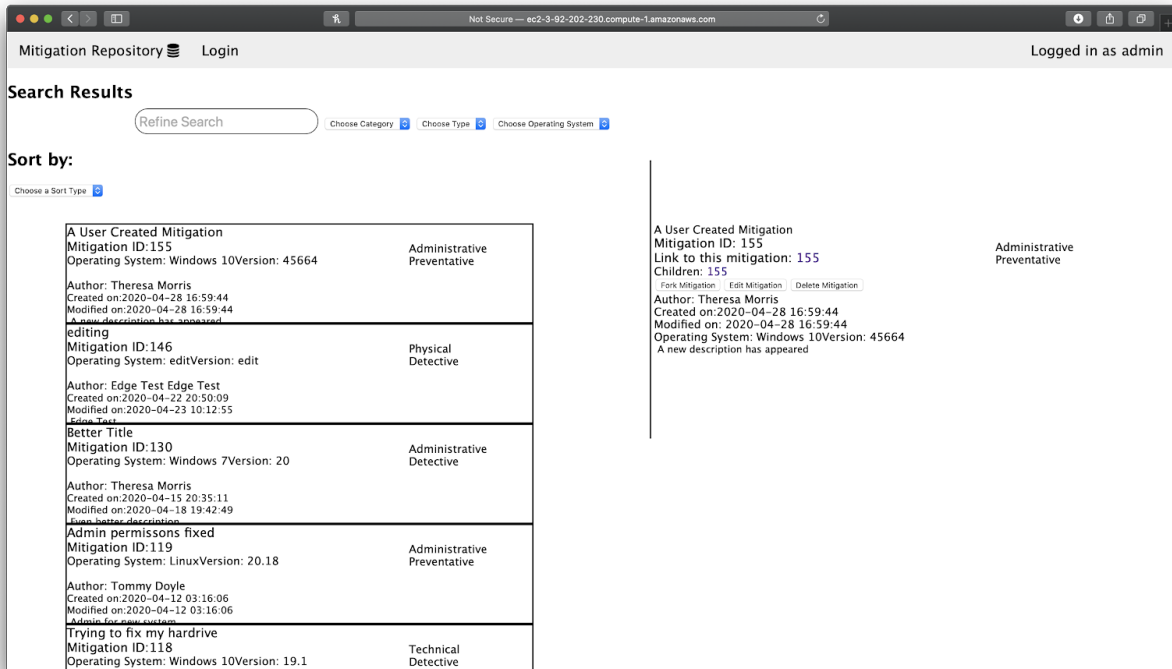
Similar to being able to filter the search results page by the category and type of the mitigation, we believed that giving the users the option to search by the system was also an important feature in this project. This was implemented so users could easily find their desired mitigation that is also relevant to the operating system that they are using. For example, if a user is using Windows 10 and would like to find a way to mitigate a problem on their operating system, then they can simply choose Windows 10 in the dropdown menu and all of the pre-existing mitigations created with Windows 10 will display. The Operating Systems in the dropdown menu are pre-populated with information that has been created in the Mitigation Repository Database.

## Dropdown with Database Matches Upon Typing



On the Index page, the users have the option to search for a mitigation by the title. When the user starts to type, a drop down appears underneath the search bar that updates title information from the Database based on what they are typing. For example, if a user begins to type in the word internet, all matching titles that have “In”, “Int” “Inter”, etc. appear in the dropdown box as the user types in the characters so they can quickly find what they are looking for. This feature makes searching for a title very convenient for the user, as they will know exactly what is already in the system before even going to the search results page. If there are no matching titles, then at the bottom of the dropdown there is a link with the option to create a new mitigation with the title that the user was thinking of.

## Hide Buttons from Certain Roles

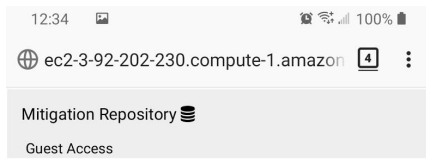


Previously, anybody on the search results page regardless of how they are logged in could see the options next to each mitigation to fork, edit, and delete it. However, we felt as though general users and guests should not be able to see the options to edit and delete a mitigation,

because they do not have permissions to do those tasks. Therefore, we implemented the ability to hide those buttons for those logged into their general user accounts or logged in as a guest. Those users can only see the button to fork a mitigation. However, if an admin is logged in to the search results page, they can see all three of the buttons. This eliminates the confusion of a general user thinking that they have the ability to edit or delete a mitigation, as they do not have the proper permissions to do that.

## Responsive Layout:

Due to the fact that it cannot be known what type of display a user will be utilizing to access the mitigation database, the layout has been altered to properly respond to the size of the screen.



## Login

Username:

Password:

## Create new User

Username:

Password:

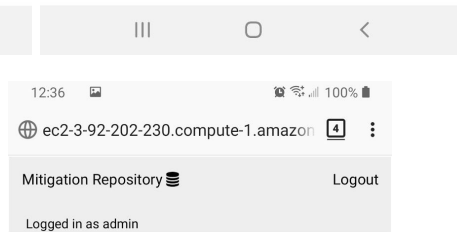
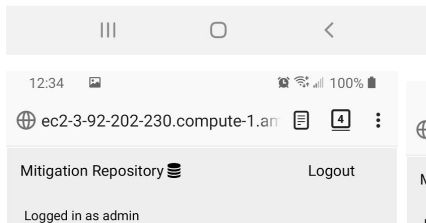
## Search Mitigation

Category:

Type:

25 Most Recent Mitigations

## Create new Mitigation



## Search Results

### Sort Order:

editing	
Mitigation ID:146	Physical
Operating System: editVersion: edit	Detective
Author: Edge Test Edge Test	
Created on:2020-04-22 20:50:09	
Modified on:2020-04-23 10:12:55	
Testing Mitigation 1	
Mitigation ID:115	Technical
Operating System: Windows 3.1Version: Corrective	

## Create a Mitigation

### Author First Name

### Author Last Name

### Mitigation Title

### Operating System

### Operating System Version



## Back End Documentation:

Procedure to search for 'like' titles, a like title is a title that starts with the same value as the user inputted value and can be followed by any amount of characters. This procedure is used for autocomplete and is called each time a user inputs a character. The procedure could be modified to allow the procedure to return titles with a different starting values, this would allow for any value of characters before and after the user inputted value.