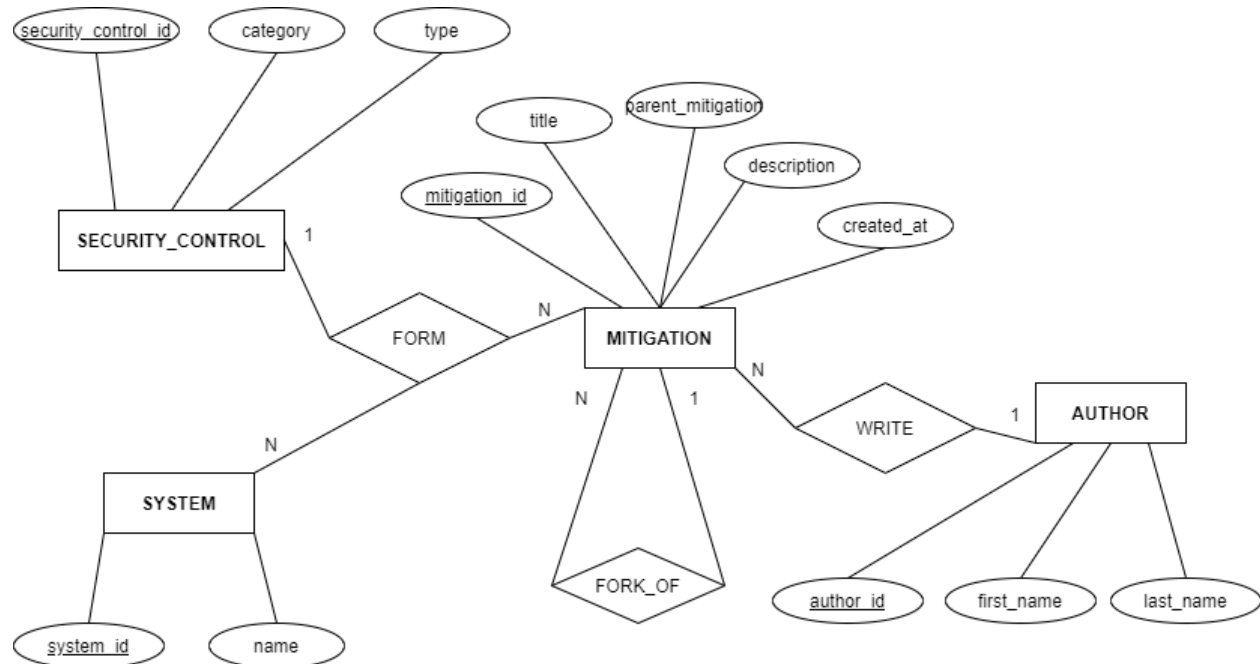


Sprint 1 Documentation


Our ER diagram for our Mitigation repository database:



David and Michael came up with the diagram by breaking down everything into its atomic parts. We concluded that a mitigation has one security control entity. The attributes for the security control entity are category and type. Our current understanding is that each mitigation can be comprised of a system entity with a name attribute for either the software or application system. These two entities are in a ternary relationship with the mitigation entity. The mitigation entity has four attributes: title, parent mitigation, description, and created_at, so many mitigations can have many systems, but one set of security controls. The second connection is as self join where many mitigation's are a fork of one mitigation. The third connection is where many mitigation's have one author entity it can write to. Each author has first name and last name attributes.

Web Interface Documentation

Index Page

Mitigation Repository 

Find a Mitigation

Select Category

Select Type

Search Mitigation

Create new Mitigation

Select Category

Select Type

Enter Mitigation

We put this index page together in reference to the first mock-up that we came up with in Sprint 0. In order to create this page, we implemented html, css, and javascript to create 4 separate drop down menus in which the user can select which category as well as which type they would like to search for or create.

When a user wants to find a mitigation, they select the type and the category that they want, and then type in the exact name of the mitigation they wish to find. Then, when they click enter on their keyboard they will be taken to a Search Results page.

When a user wishes to Create a new mitigation, they select the type and the category that they want to create a new mitigation for, and then they press a button titled “Create Mitigation” That will take them to a new page. This button is currently not complete, and does not take users to a page just yet.

We wanted to make this page as user friendly as possible, making sure everything is clearly labeled so the users know exactly where to put their information depending on whether they are Finding a mitigation or creating a new one.

Search Results Page

Mitigation Repository

Search Results

Search Mitigation

Select Type

Select Category

Mitigation Match 1 Title

A short description of the mitigation

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium,

Category Name

Type Name

Mitigation Match 2 Title

A short description of the mitigation

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium,

Category Name

Type Name

Mitigation Match 3 Title

A short description of the mitigation

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium,

Category Name

Type Name

C:/Users/Kristen/Documents/GitHub/MitigationsRepository/searchprototype.htm

Mitigation Repository

Search Results

Search Mitigation

Select Type

Select Category

Mitigation Match 1 Title

A short description of the mitigation

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam

Category Name

Type Name

Mitigation Match 2 Title

A short description of the mitigation

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam

Category Name

Type Name

Mitigation Match 3 Title

A short description of the mitigation

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam

Category Name

Type Name

Mitigation Match 4 Title

A short description of the mitigation

Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam

Category Name

Type Name

file:///C:/Users/Kristen/Documents/GitHub/MitigationsRepository/test.htm

Mitigation Match 1 Title

[A short description of the mitigation](#)

[Sed ut perspiciatis unde omnis iste natus error sit voluptatem accusantium doloremque laudantium, totam rem aperiam, eaque ipsa quae ab illo inventore veritatis et quasi architecto beatae vitae dicta sunt explicabo. Nemo enim ipsam voluptatem quia voluptas sit aspernatur aut odit aut fugit, sed quia consequuntur magni dolores eos qui ratione voluptatem sequi nesciunt. Neque porro quisquam est, qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit, sed quia non numquam eius modi tempora incidunt ut labore et dolore magnam aliquam quaerat voluptatem. Ut enim ad minima veniam, quis nostrum exercitationem ullam corporis suscipit laboriosam, nisi ut aliquid ex ea commodi consequatur? Quis autem vel eum lure reprehenderit qui in ea voluptate velit esse quam nihil molestiae consequatur, vel illum qui dolorem eum fugiat quo voluptas nulla pariatur?](#)

Category Name

Type Name

After the user presses the enter key on their keyboard upon Finding a new mitigation on the index page, they will be taken to the Search Results page. There, they will be able to search through existing mitigations similar to the one that they wish to search for, where they can find more information about what they are looking for. The user will be presented with multiple matches, and if they want to sort through the matches they can type exactly what they are looking for in the search bar. When developing, we made it so when the user types in the bar, the results will update according to what they type. For example, if they type “Match 2”, anything with “Match 2” in its title will show up in the results. This makes it so the users can easily find what they are looking for without having to search through all of the results. The search results are also not case sensitive, so if the user types “match 2” then it will show the same results as if they

typed "Match 2". We did this for the ease of the user in mind, so they find exactly what they are looking for and not given any incorrect information.