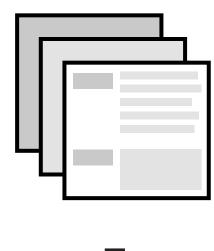
# NAADSM

**Spread Model Application** 

Design Brief

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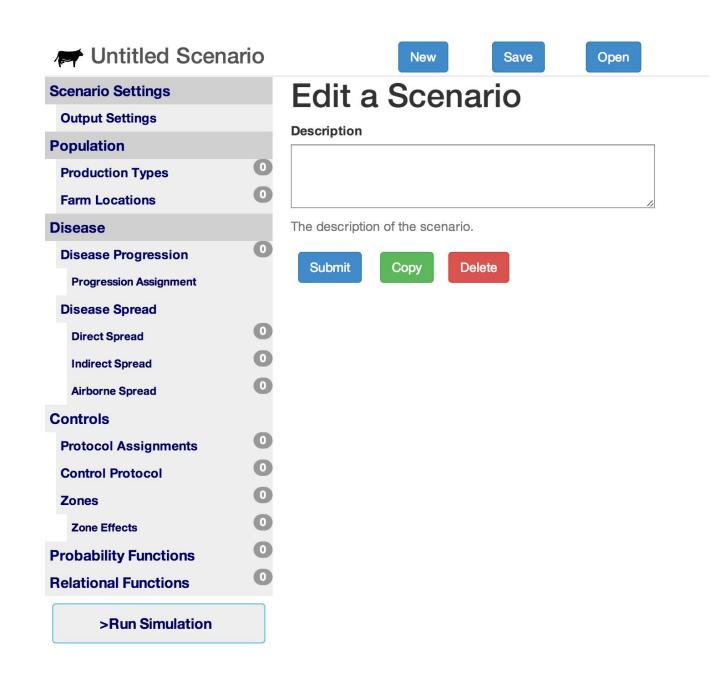


Minimize the amount of states a user has to navigate through for each section. (minimal pop-ups, etc)

Establish a basic user interface consistent with modern application and website navigation themes.

Structure visual elements for intuitive use among new, existing, and out of country users.

Target Audience: Veterinarians and Epidemiologists. (Educated in this field)



Cleaning up the user interface will allow for quick, intuitive navigation throughout the program. Goals would include the following:

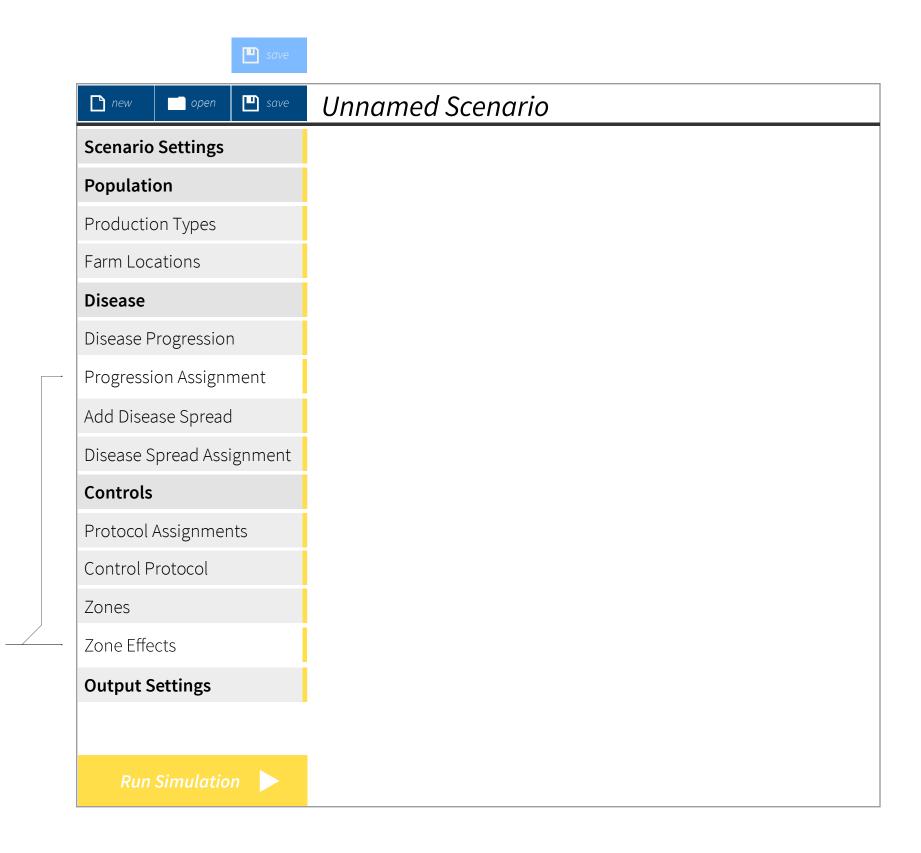
- Adding a visual system for progress tracking
- Arranging elements within the application for unobtrusive, yet intuitive placement.
- Introducing simple icons where needed to introduce a familiar visual for new, foreign, and existing users.

### User Interface // Elements and Icons

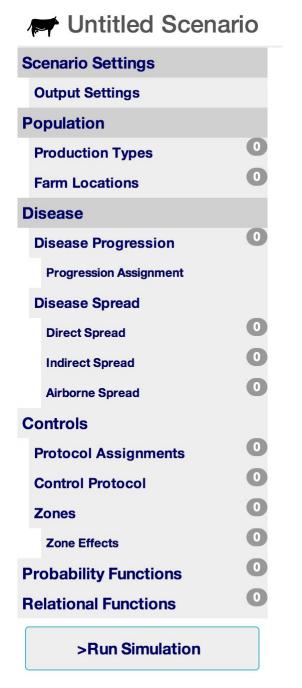
Save button would appear with lighter background, indicating unsaved changes to the scenario

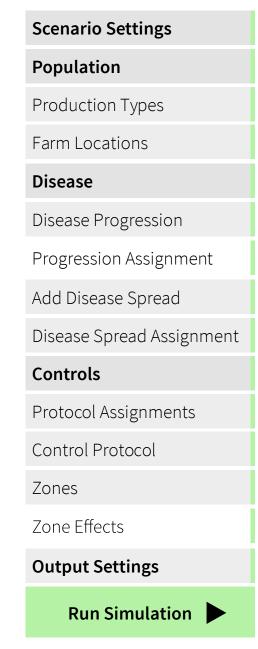
Rearrangement of header elements allows for tabbed browsing in the future, in addition to visually organizing the space.

White elements on the left navigation bar would normally be accordioned in, showing when the user clicks the button above it. (ie, Disease Progression and Zones)

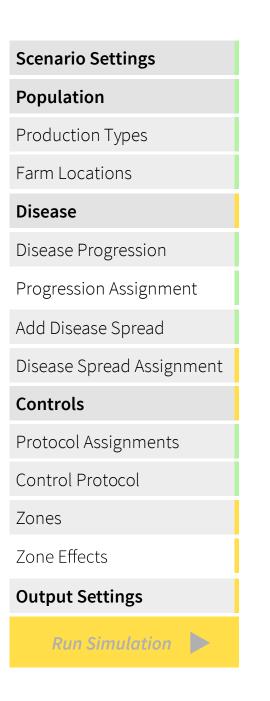


## Experience Design // Progress Tracking

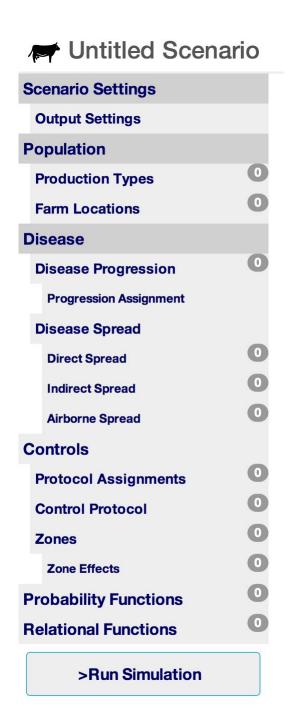


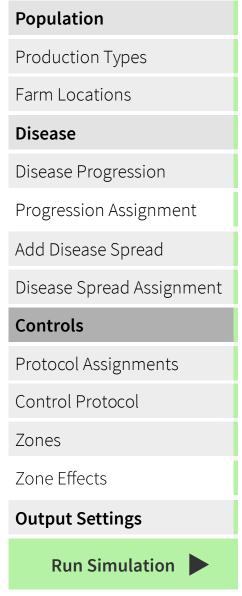


Scenario Settings
Population
Production Types
Farm Locations
Disease
Disease Progression
Progression Assignment
Add Disease Spread
Disease Spread Assignment
Controls
Protocol Assignments
Control Protocol
Zones
Zone Effects
Output Settings
Run Simulation

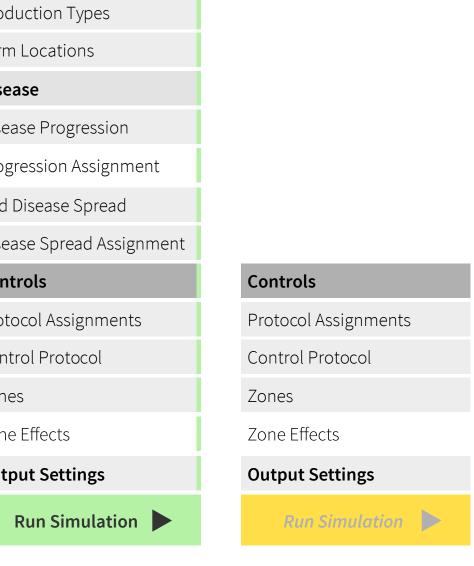


#### Experience Design // Progress Tracking





**Scenario Settings** 



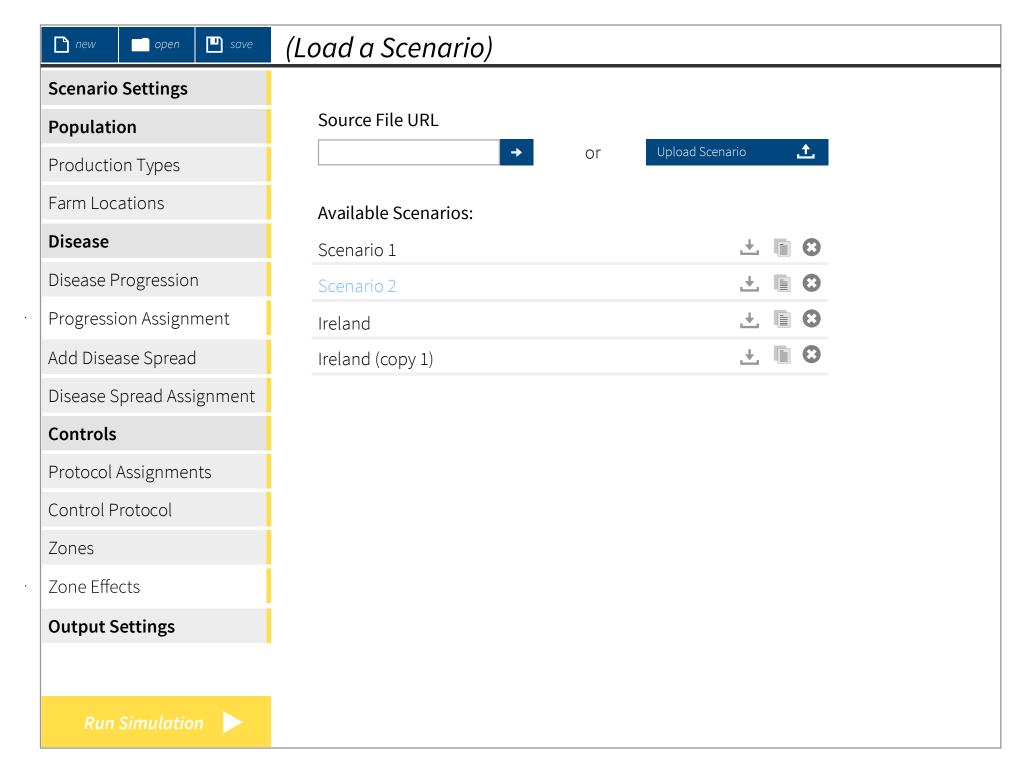
#### "all green" lets the user Run Simulation

Having a visual representaiton for accomplishment adds another layer of reason for the task at hand. Simply put "I must make all the task bars green" eases the user into the many steps she will need to take to actually get a simulation running.

Conversely, it must be easy for the user to validate exceptions to avoid frustrations. (Ex: Disable all controls, which should mark the "Controls" section as green.)

User selection is indicated by a darker button color

Output Settings is now the last thing users will interact with before reaching the "all green" status.



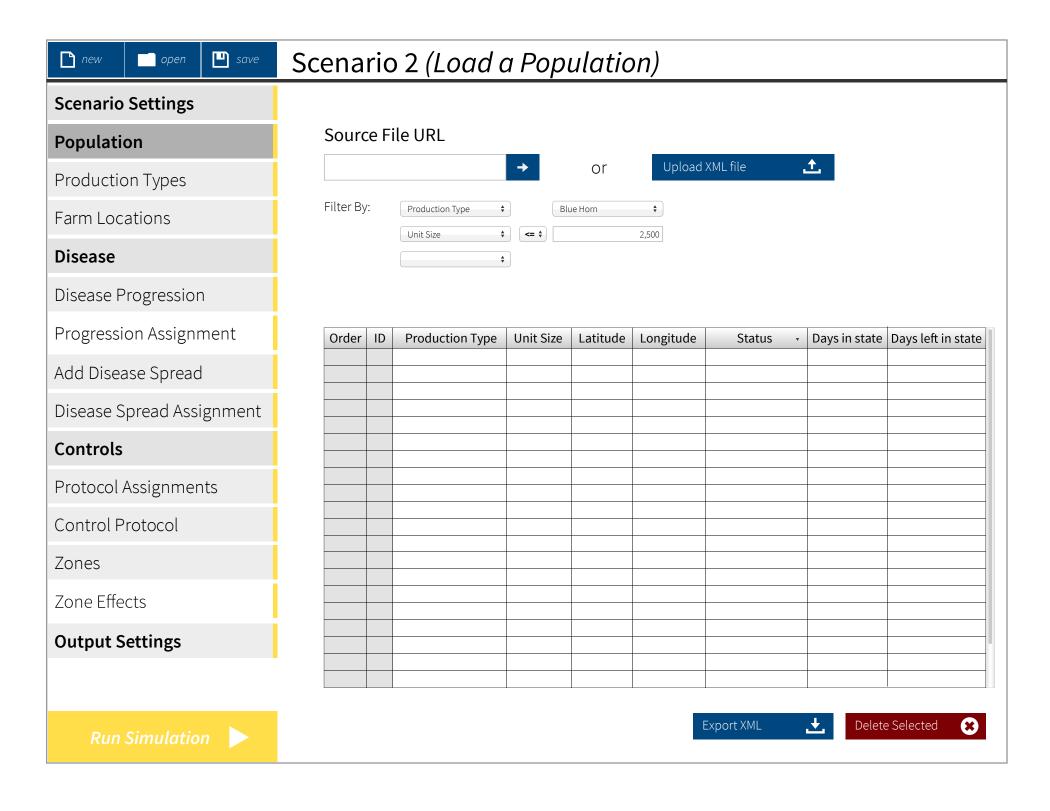
User has selected "open" at top left.

Confirming a source file URL or uploading ascenario file will place the hyperlink in the "Available Scenarios" table.

Hyperlink will appear in light blue whenhovered over. Following that, the user has access to three options:

- download file (.csv format, etc)
- duplicate file (adding # after name)
- delete file, prompting a confirm

### Experience Design // Load a Population



Filters start out blank, providing appropriate dropdown menus for each filter type.

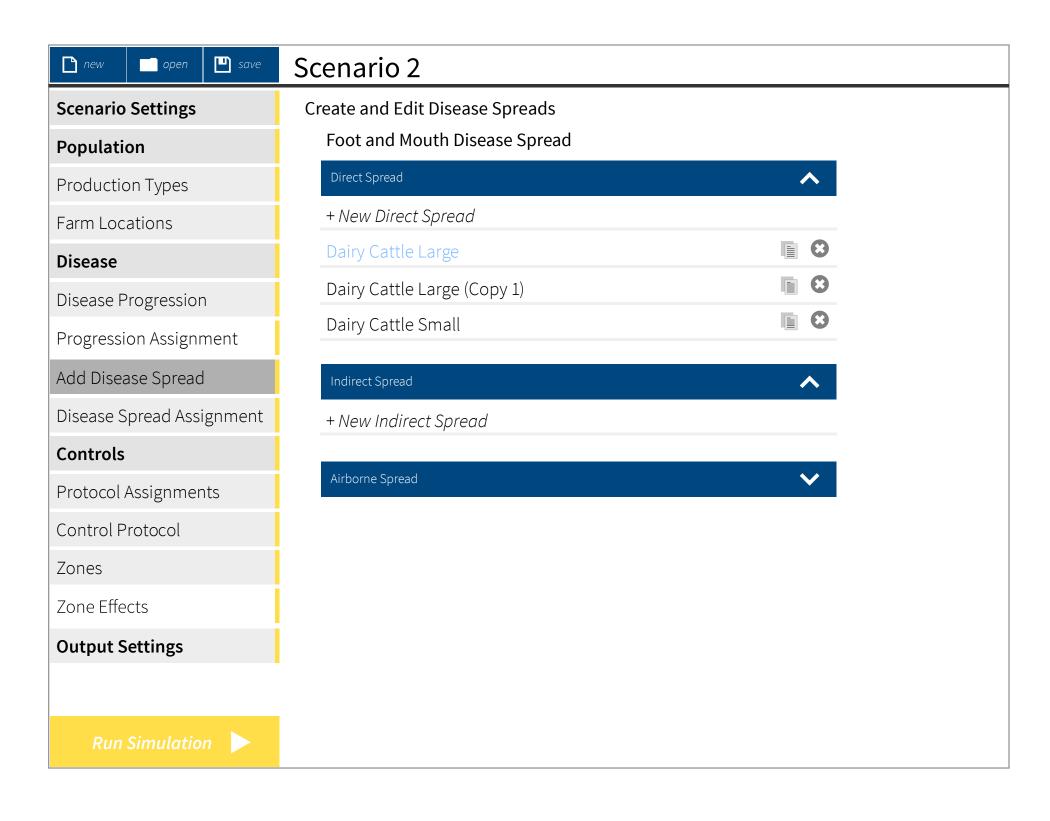
Each time a filter is selected, a new blank filter dropdown populates below, allowing the user as many filter options as they want.

Arrows only appear when the top item is clicked to toggle between ascending and descending sort.

Export XML if users want to save their modified file, prompting a pop-up naming and destination dialogue.

Delete Selected allows the user to delete multiple lines via shift+click functionality.

### Experience Design // Disease Spread

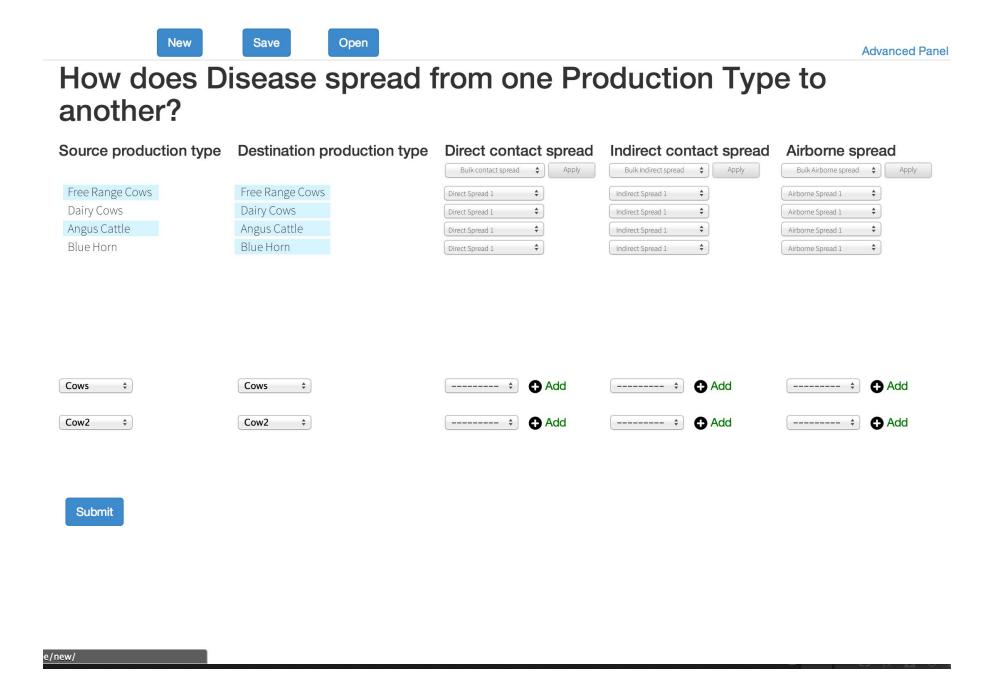


Hyperlink will appear in light blue when hovered over. Following that, the user has access to two options:

- duplicate the file for small changes, (adding # after name)
- delete spread, prompting a confirm

Clicking on "+ New Direct Spread" or any hyperlinked text in the dropdown bars will open the Spread Creator window that currently exists

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Shift + Click Source Production type to select/deselect types

Click Destination Production type to toggle selection of multiple types

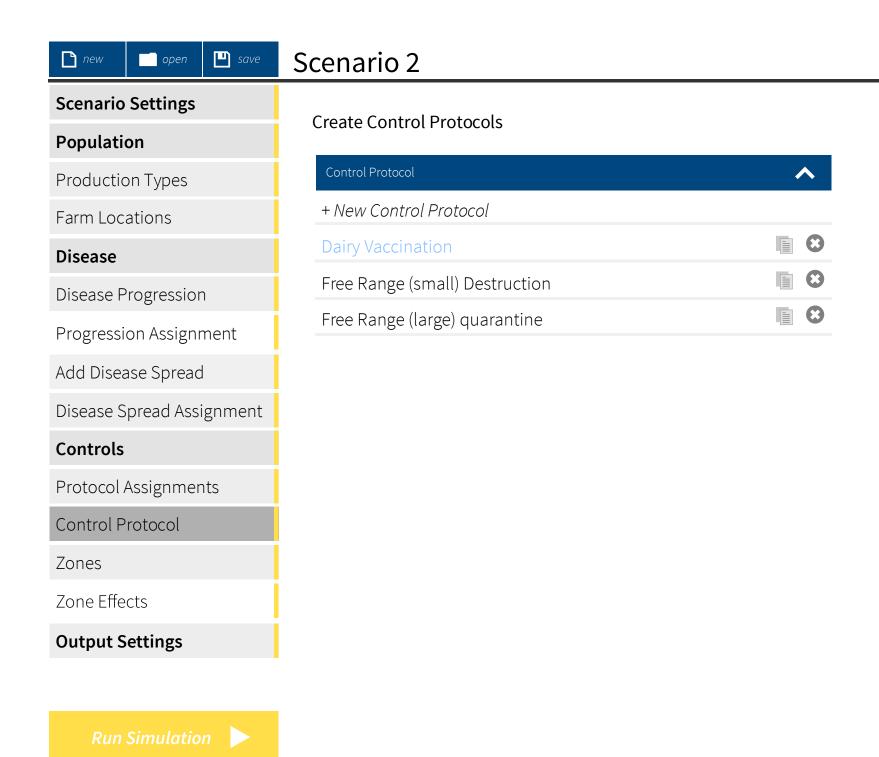
This method controls the amount of information shown, serving as a filter and a transaction point.

Bulk apply will have a dropdown for a new contact rate, but will otherwise assign the contact rate to the selected production types.

Highlighted "spread" should be changed to "rate"

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## Experience Design // Add Control Protocols



Hyperlink will appear in light blue when hovered over. Following that, the user has access to two options:

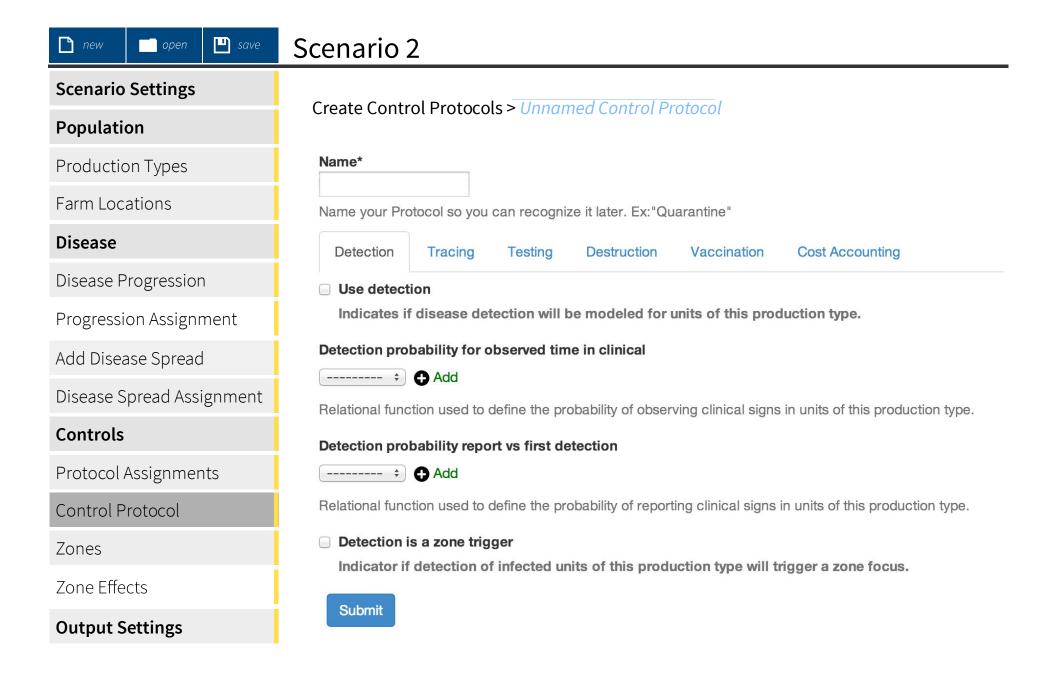
- duplicate the file for small changes, (adding # after name)
- delete control, prompting a confirm

Clicking on "+ New Control Protocol" or any hyperlinked text in the dropdown bars will open the Spread Creator window that currently exists.

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See pg. 12 for an alternative method.

## Experience Design // Add Control Protocols



With this method, hyperlinks are nested withinthe main screen. Clicking on "new" or existing control protocols will slide or fade out the list screen and the user will be able to edit or create the protocol without encountering a pop-up.

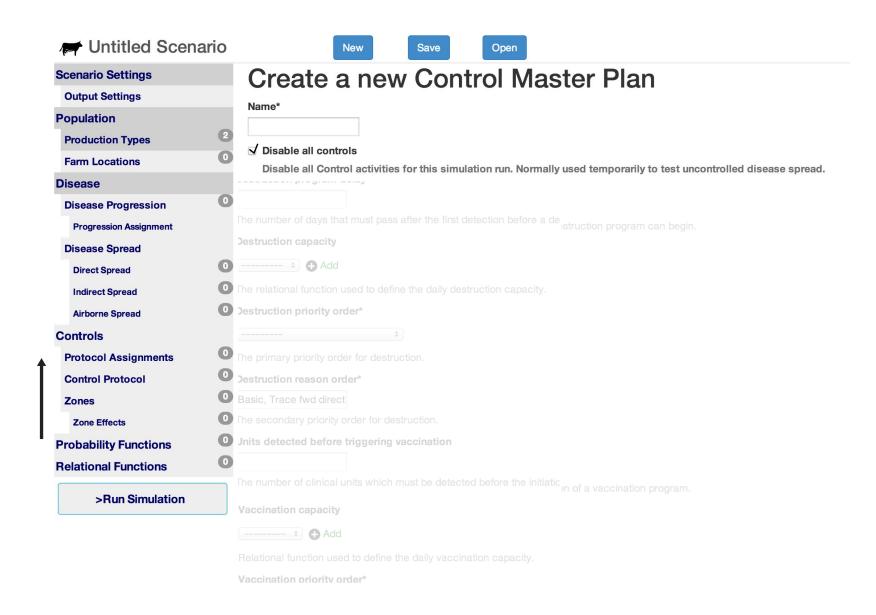
Hyperlinks can still navigate the user back to the original screen, prompting a warning if the user has unsaved changes.

Clicking on "+ New Control Spread" or any hyperlinked text in the dropdown bars will open the Spread Creator window that currently exists.

Run Simulation

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### Experience Design // Quality of Life Improvements



#### Collapse controls when disabled above

#### Disabling all controls should inhibit the user

Grey out everything underneath and prevent interaction with any elements below.

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