

mguchiQ

Website Tutorial

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Overview

This document describes how to interact with mguchiQ via the mguchiQ **Web Interface**.

All user input to mguchiQ (**Models** and **Runs**) is done via Excel spreadsheets which are uploaded to mguchiQ for processing.

Home Page

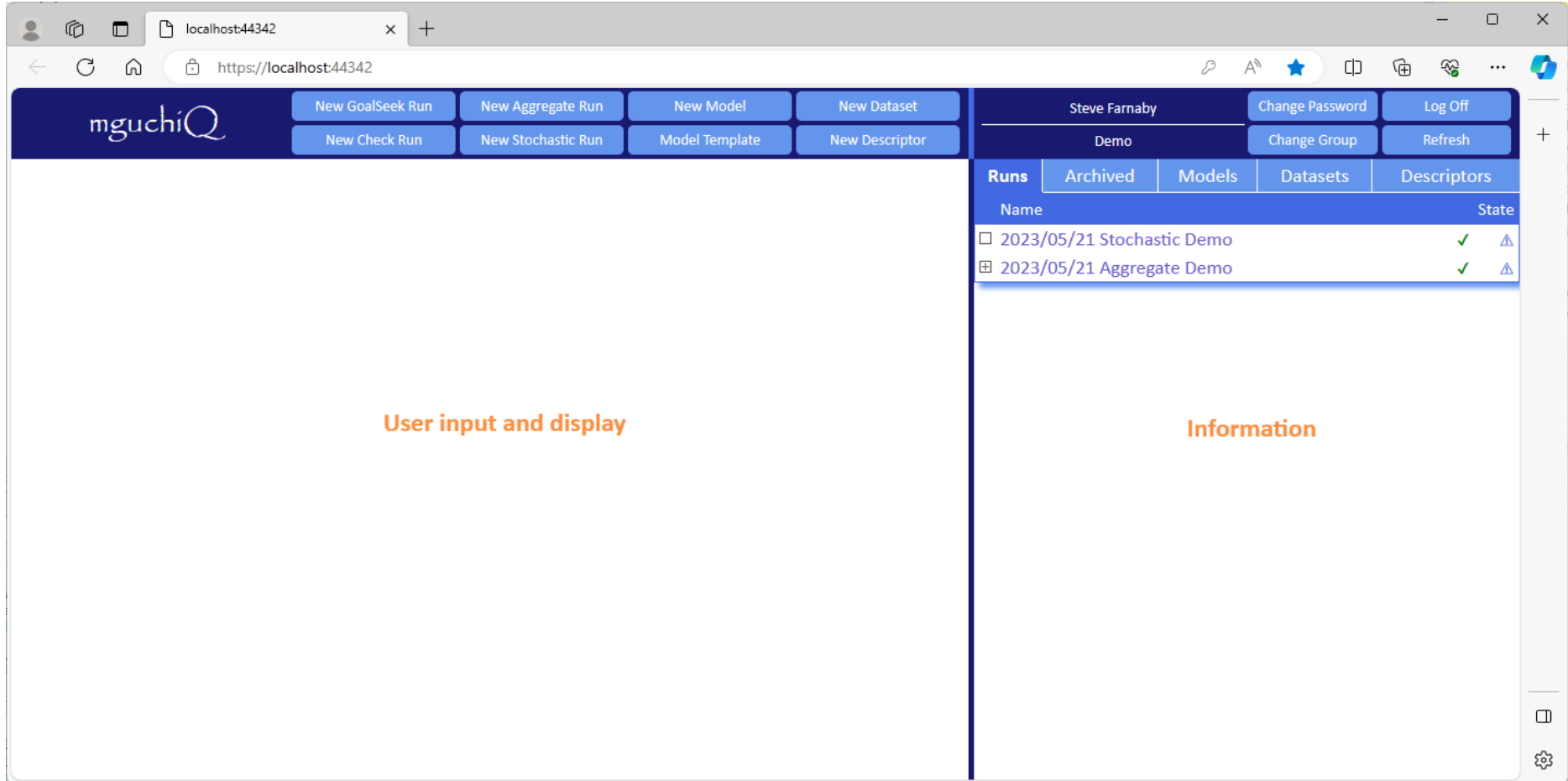
The **Home** page of [mguchiQ](#) allows a **User** to log on to the [mguchiQ](#). A **User Id** and **Password** is required to gain access to [mguchiQ](#).

Once a **User Id** and **Password** have been entered, click on the **[Log On]** button.



Personal Page

Once logged on to [mguchiQ](#) a page with your particular information will be displayed. The different areas of the page are as described below.



The screenshot shows a web browser window displaying the mguchiQ Personal Page. The browser's address bar shows the URL `https://localhost:44342`. The page has a dark blue header with the mguchiQ logo and several navigation buttons: "New GoalSeek Run", "New Aggregate Run", "New Model", "New Dataset", "New Check Run", "New Stochastic Run", "Model Template", and "New Descriptor".

On the right side of the header, there is a user profile section for "Steve Farnaby" with buttons for "Change Password", "Log Off", "Change Group", and "Refresh". Below this, there are tabs for "Runs", "Archived", "Models", "Datasets", and "Descriptors". The "Runs" tab is currently selected.

The "Runs" tab displays a table with the following data:

Name	State
<input type="checkbox"/> 2023/05/21 Stochastic Demo	✓ ⚠
<input checked="" type="checkbox"/> 2023/05/21 Aggregate Demo	✓ ⚠

The left section of the page is labeled "User input and display" in orange text. The right section is labeled "Information" in orange text.

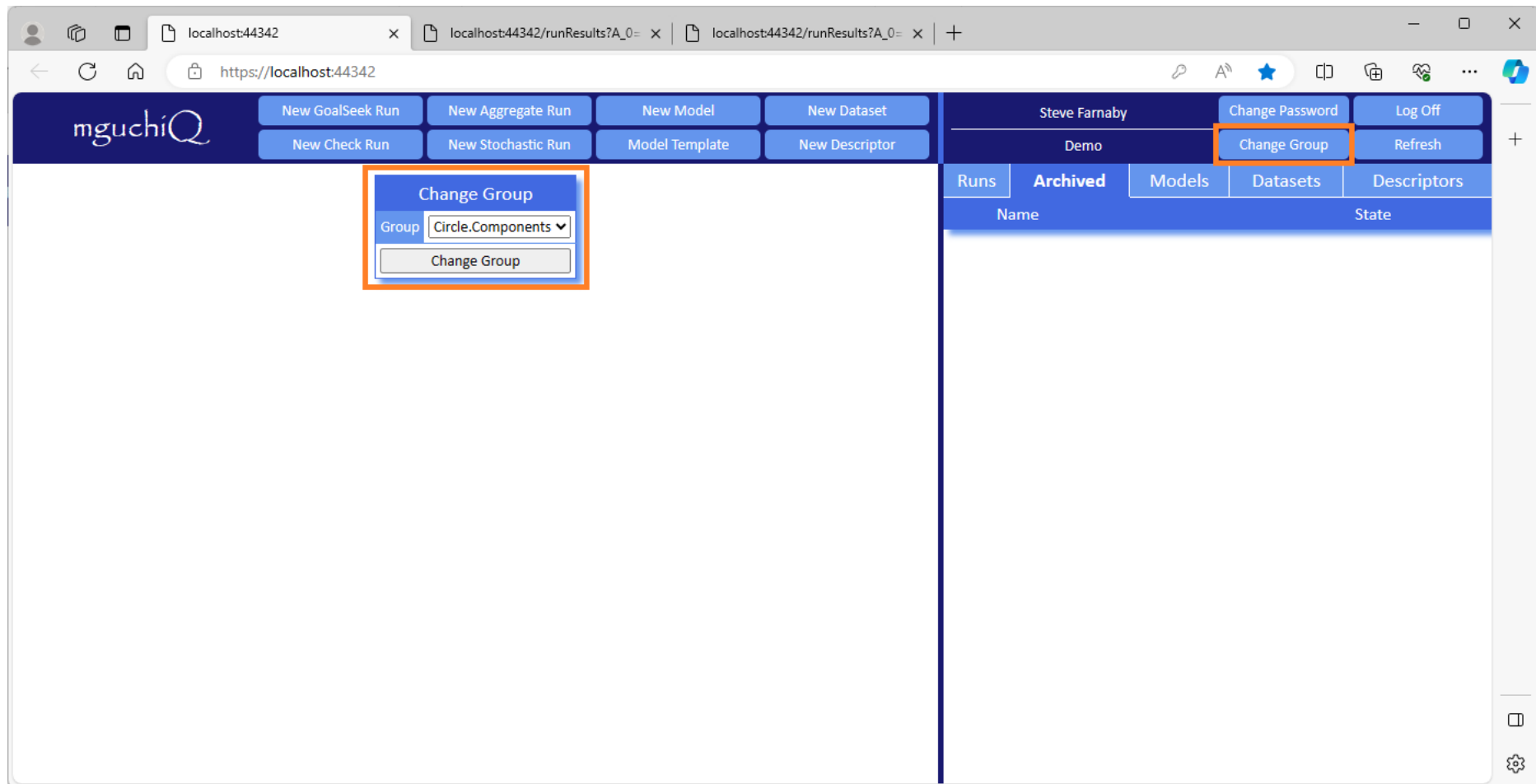
Change your Password

You can change your password by clicking the **[Change Password]** button.

The screenshot shows a web browser window with the URL `https://localhost:44342`. The application interface has a dark blue header with the **mguchiQ** logo on the left. A row of buttons includes **New GoalSeek Run**, **New Aggregate Run**, **New Model**, **New Dataset**, **New Check Run**, **New Stochastic Run**, **Model Template**, and **New Descriptor**. On the right side of the header, the user **Steve Farnaby** is logged in, with a **Change Password** button highlighted by an orange box. Other buttons in this area include **Log Off**, **Demo**, **Change Group**, and **Refresh**. Below the header, a navigation bar contains tabs for **Runs**, **Archived** (selected), **Models**, **Datasets**, and **Descriptors**. A table with columns **Name** and **State** is visible below the tabs. In the center of the page, a **Change Password** dialog box is open, also outlined with an orange border. It contains three input fields: **Existing password**, **New password**, and **Confirm new password**, followed by a **Change Password** button.

Changing the Group you are working in

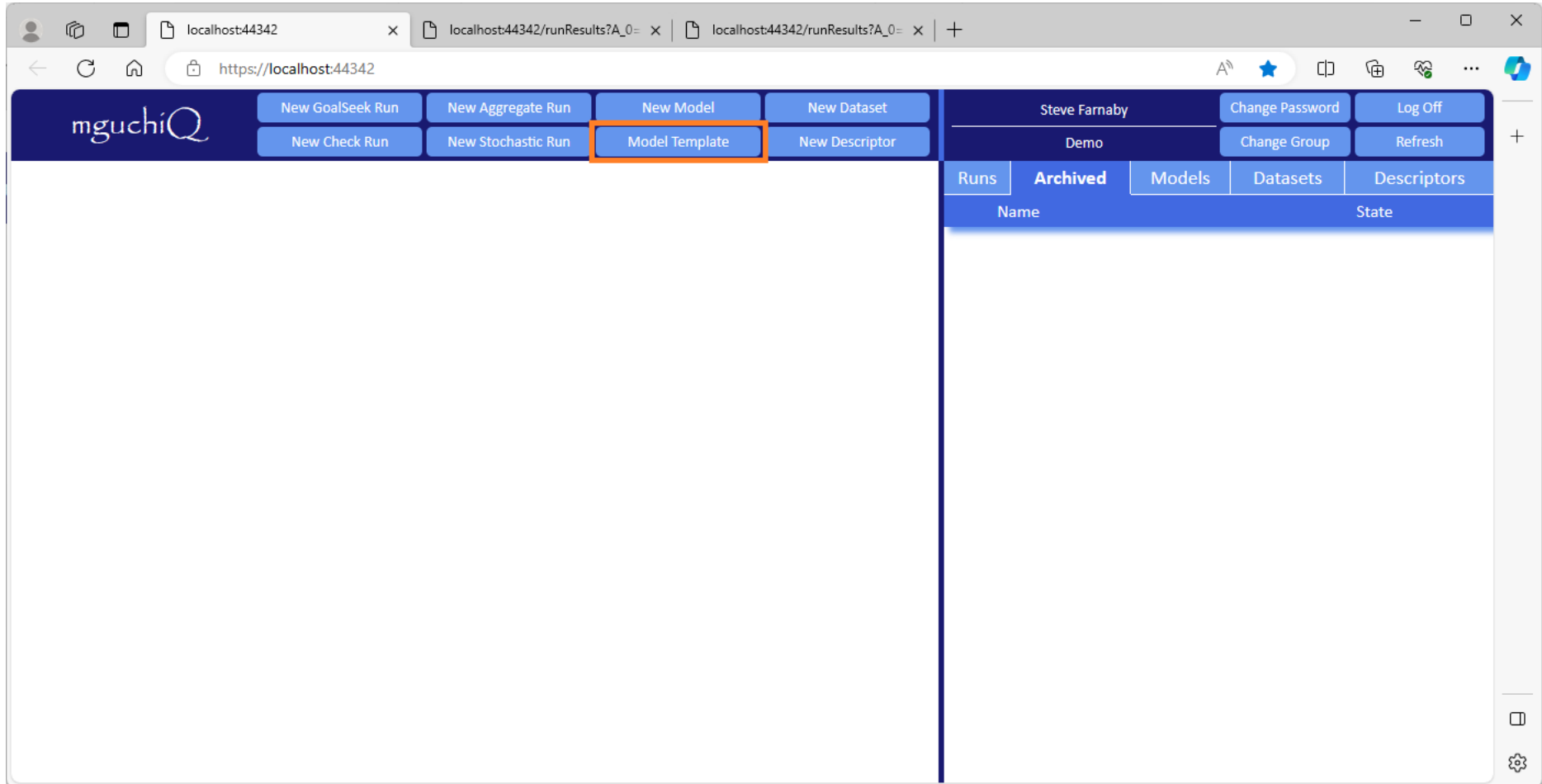
mguchiQ users belong to **Groups**. All **Users** assigned to a **Group** have access to the same **Models** and **Runs**, thus allowing collaboration between **Users**. A **User** can have access to more than one **Group**, in which case clicking the **[Change Group]** button will allow the **User** to switch to working within another **Group**.



Downloading a Model Template

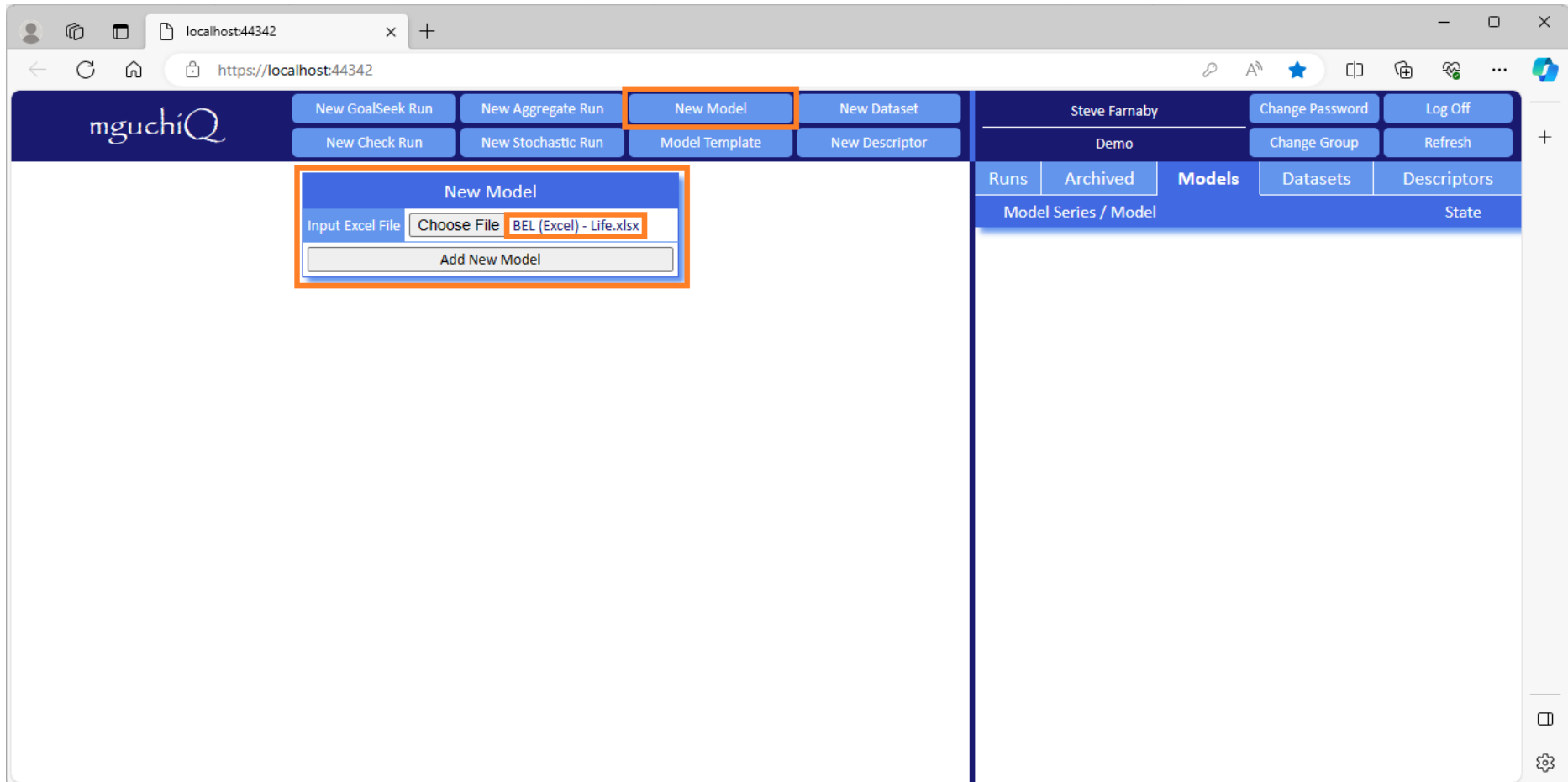
To get started with [mguchiQ](#) it is necessary to first build a **Model**. **Runs** can then be initiated against this **Model**.

Clicking the **[Model Template]** button will download a **Model Template** Excel spreadsheet that you can use to specify your **Model**.



Submitting a Model

Clicking the **[New Model]** button will allow you to upload an Excel spreadsheet that contains your **Model** specification. Clicking the **[Add New Model]** button will submit your **Model** to **mguchiQ** so that it can be built.



Once your model has been submitted it will appear in the **Models** section of the web page. Initially the **Model** will not be allocated to a **Series** and will not have a **State**. Once the processing engine starts processing the **Model** the **Series** and **State** will be updated.

The screenshot displays the mguchiQ web application interface. The browser address bar shows 'localhost:44342'. The application header includes the mguchiQ logo and several buttons: 'New GoalSeek Run', 'New Aggregate Run', 'New Model', 'New Dataset', 'New Check Run', 'New Stochastic Run', 'Model Template', and 'New Descriptor'. A user menu for 'Steve Farnaby' is located in the top right, with options for 'Change Password', 'Log Off', 'Change Group', and 'Refresh'. Below the header, a 'Message' box states 'Model [94] submitted for processing'. The main content area is divided into two panels. The left panel is empty. The right panel, titled 'Models', contains a table with the following structure:

Model Series / Model	State
Unallocated	
BEL (Excel) - Life.xlsx	...

The 'Models' tab is highlighted with an orange border. The 'Unallocated' section is also highlighted with an orange border.

Model Errors

If there are any errors in the **Model**, the **State** will have a red **X** indicating an error condition. The specific errors can be highlighted by clicking on the **Model** in the **Models** section.

The screenshot displays the mguchiQ web application interface. The top navigation bar includes the mguchiQ logo and several buttons: New GoalSeek Run, New Aggregate Run, New Model, New Dataset, New Check Run, New Stochastic Run, Model Template, and New Descriptor. The user is logged in as Steve Farnaby, with options to Change Password, Log Off, Change Group, and Refresh. The main content area is divided into two sections. The left section, titled 'Model', shows details for 'Model BELv3 - With Error.xlsx'. The details include Short Name, Full Name, Description, Created By (Steve Farnaby), Date (2024/01/23 14:07), and State (Error). Below the details is an 'Actions' section with a 'Delete' button. The 'Messages' section, which is highlighted with an orange border, contains the following text: '[Constants] sheet contains name [cCountry] which has an error condition' and 'Sheet [Constants], NamedRange [cCountry] : Value cannot be null or empty'. The right section, titled 'Models', shows a list of models. The 'Unallocated' model is highlighted with an orange border, and its state is 'Error', indicated by a red 'X' icon.

Model Series / Model	State
Unallocated	
Model BELv3 - With Error.xlsx	Error

Built Models

Once a **Model** has been successfully built it will appear in the **Models** section with a green tick ✓ next to it under the **Model Series** it was ascribed to.

We can now initiate a **Run** against this **Model**.

The screenshot displays the mguchiQ web application interface in a browser window. The address bar shows 'localhost:44342'. The application has a dark blue header with the 'mguchiQ' logo and several buttons: 'New GoalSeek Run', 'New Aggregate Run', 'New Model', 'New Dataset', 'New Check Run', 'New Stochastic Run', 'Model Template', and 'New Descriptor'. On the right side of the header, there are user controls for 'Steve Farnaby' (Demo) including 'Change Password', 'Log Off', 'Change Group', and 'Refresh'. Below the header, a navigation bar contains tabs for 'Runs', 'Archived', 'Models' (which is selected), 'Datasets', and 'Descriptors'. The main content area shows a table with the following structure:

Model Series / Model		State
BEL	Version 3	✓

The 'Version 3' cell and the green checkmark in the 'State' column are highlighted with orange boxes. The browser window includes standard navigation icons and a settings gear icon in the bottom right corner.

Model Details

Clicking on the **Model** will bring up details of that **Model**.

The screenshot shows the mguchiQ web application interface. The top navigation bar includes the mguchiQ logo and several buttons: New GoalSeek Run, New Aggregate Run, New Model, New Dataset, New Check Run, New Stochastic Run, Model Template, and New Descriptor. The user is logged in as Steve Farnaby (Demo) with options to Change Password, Log Off, Change Group, and Refresh. The main content area is titled 'Model' and displays details for a specific model.

Model Details:

Details	
Short Name	Version 3
Full Name	BEL.Version 3
Description	Updated PV function
Created By	Steve Farnaby
Date	2024/01/23 14:15
State	Completed

Files:

Creation File	Model BELv3.xlsx
Check Run Template	Check_BEL.Version 3.xlsx
Aggregate Run Template	Aggregate_BEL.Version 3.xlsx
GoalSeek Run Template	GoalSeek_BEL.Version 3.xlsx
Stochastic Run Template	Stochastic_BEL.Version 3.xlsx
Code File	BEL.Version 3.cs

Product Graph:

Product: Life (dropdown menu)

Display Graph

Actions:

Delete Lock

Model Series / Model List:

Model Series / Model	State
BEL	Version 3

The Excel spreadsheet that was used to upload this **Model** can be retrieved by clicking the **Creation File**.

The screenshot shows the mguchiQ web application interface. The top navigation bar includes the mguchiQ logo and several buttons: New GoalSeek Run, New Aggregate Run, New Model, New Dataset, New Check Run, New Stochastic Run, Model Template, and New Descriptor. The user is logged in as Steve Farnaby, with options to Change Password, Log Off, Change Group, and Refresh. The main content area is titled 'Model' and displays details for 'BEL Version 3'. The 'Details' section shows the Short Name as 'Version 3', Full Name as 'BEL.Version 3', Description as 'Updated PV function', Created By as 'Steve Farnaby', Date as '2024/01/23 14:15', and State as 'Completed'. The 'Files' section lists the Creation File as 'Model BELv3.xlsx' (highlighted with an orange border), Check Run Template as 'Check_BEL.Version 3.xlsx', Aggregate Run Template as 'Aggregate_BEL.Version 3.xlsx', GoalSeek Run Template as 'GoalSeek_BEL.Version 3.xlsx', Stochastic Run Template as 'Stochastic_BEL.Version 3.xlsx', and Code File as 'BEL.Version 3.cs'. The 'Product Graph' section shows a dropdown menu for 'Product' set to 'Life' and a 'Display Graph' button. The 'Actions' section includes 'Delete' and 'Lock' buttons. The right sidebar shows a list of models, with 'BEL Version 3' selected and marked with a green checkmark.

Model	
Details	
Short Name	Version 3
Full Name	BEL.Version 3
Description	Updated PV function
Created By	Steve Farnaby
Date	2024/01/23 14:15
State	Completed
Files	
Creation File	Model BELv3.xlsx
Check Run Template	Check_BEL.Version 3.xlsx
Aggregate Run Template	Aggregate_BEL.Version 3.xlsx
GoalSeek Run Template	GoalSeek_BEL.Version 3.xlsx
Stochastic Run Template	Stochastic_BEL.Version 3.xlsx
Code File	BEL.Version 3.cs
Product Graph	
Product	Life
Display Graph	
Actions	
Delete	
Lock	

Model Visualization

Each of the **Products** defined in the **Model** can be visualized via an interactive graph by choosing the appropriate **Product** and clicking the **[Display Graph]** button.

The screenshot displays the mguchiQ web application interface. The main content area is titled "Model" and contains several sections:

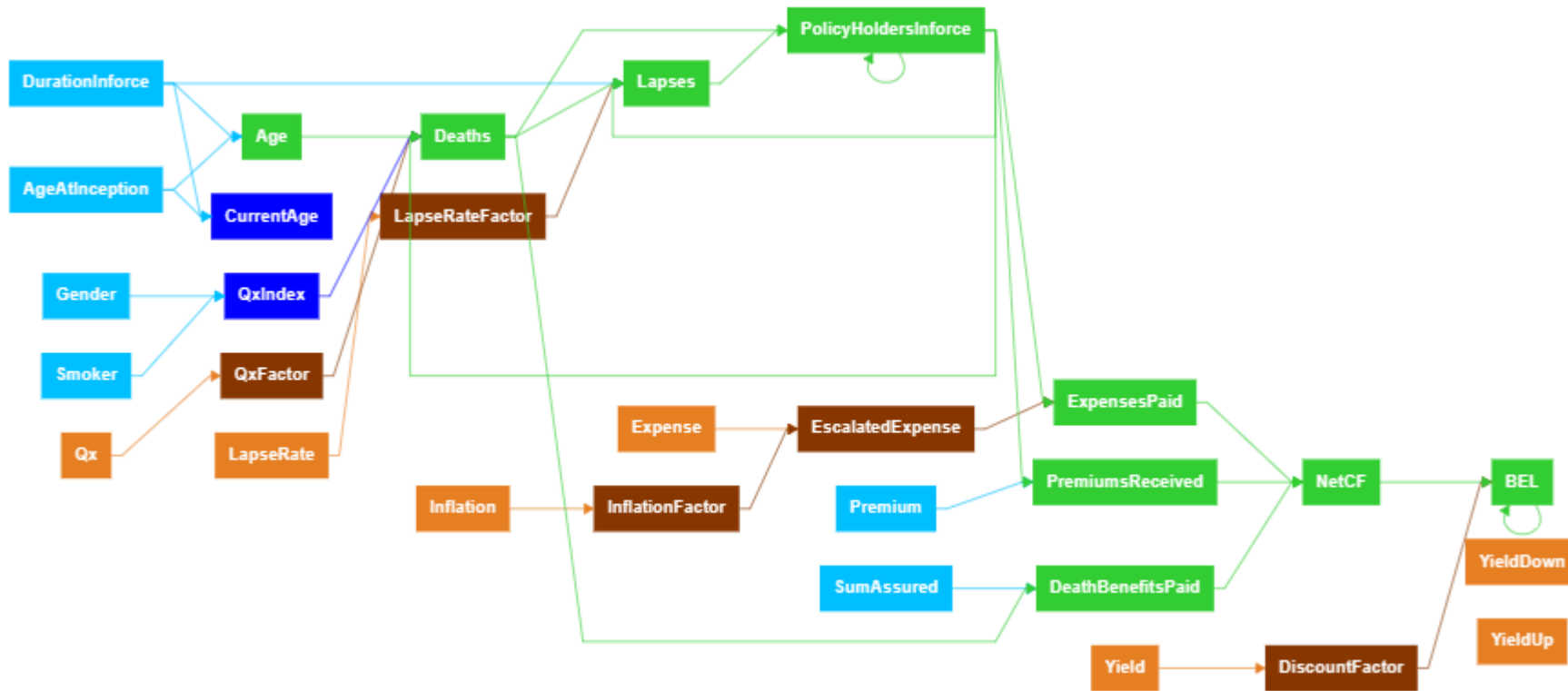
- Details:** A table showing model information.

Details	
Short Name	Version 3
Full Name	BEL.Version 3
Description	Updated PV function
Created By	Steve Farnaby
Date	2024/01/23 14:15
State	Completed
- Files:** A table listing associated files.

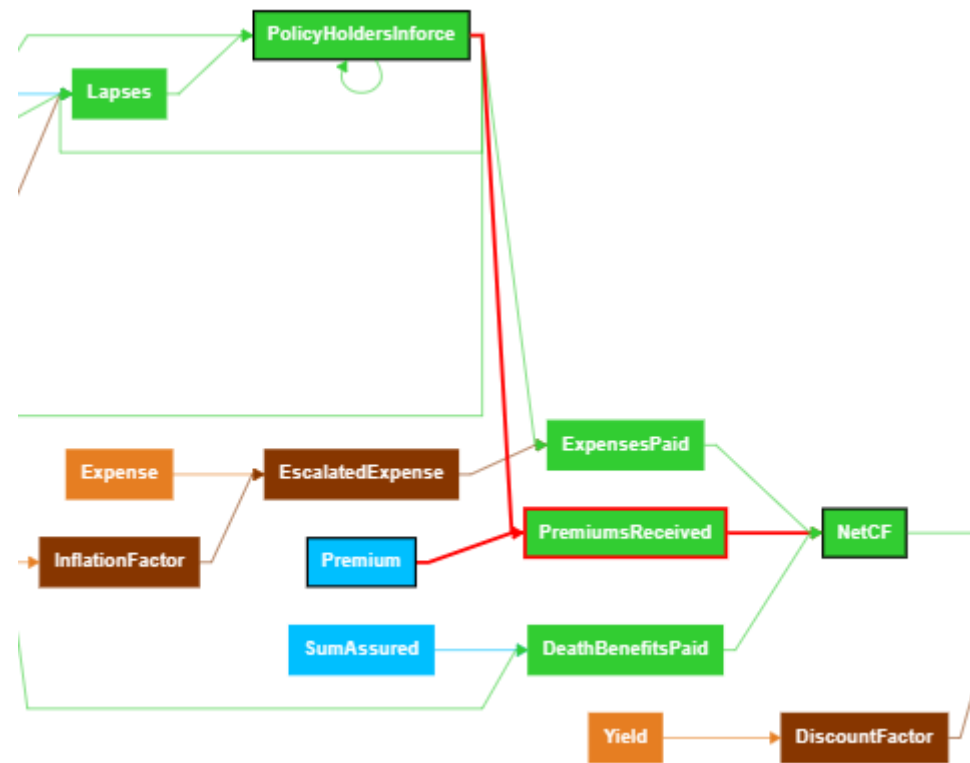
Files	
Creation File	Model BELv3.xlsx
Check Run Template	Check_BEL.Version 3.xlsx
Aggregate Run Template	Aggregate_BEL.Version 3.xlsx
GoalSeek Run Template	GoalSeek_BEL.Version 3.xlsx
Stochastic Run Template	Stochastic_BEL.Version 3.xlsx
Code File	BEL.Version 3.cs
- Product Graph:** A section with a dropdown menu for "Product" (currently set to "Life") and a "Display Graph" button. This section is highlighted with an orange border.
- Actions:** A section with "Delete" and "Lock" buttons.

The right sidebar contains navigation tabs: "Runs", "Archived", "Models" (selected), "Datasets", and "Descriptors". Below these is a table for "Model Series / Model" with columns "Model Series / Model" and "State". The table shows a single entry: "BEL" with "Version 3" and a green checkmark in the "State" column.

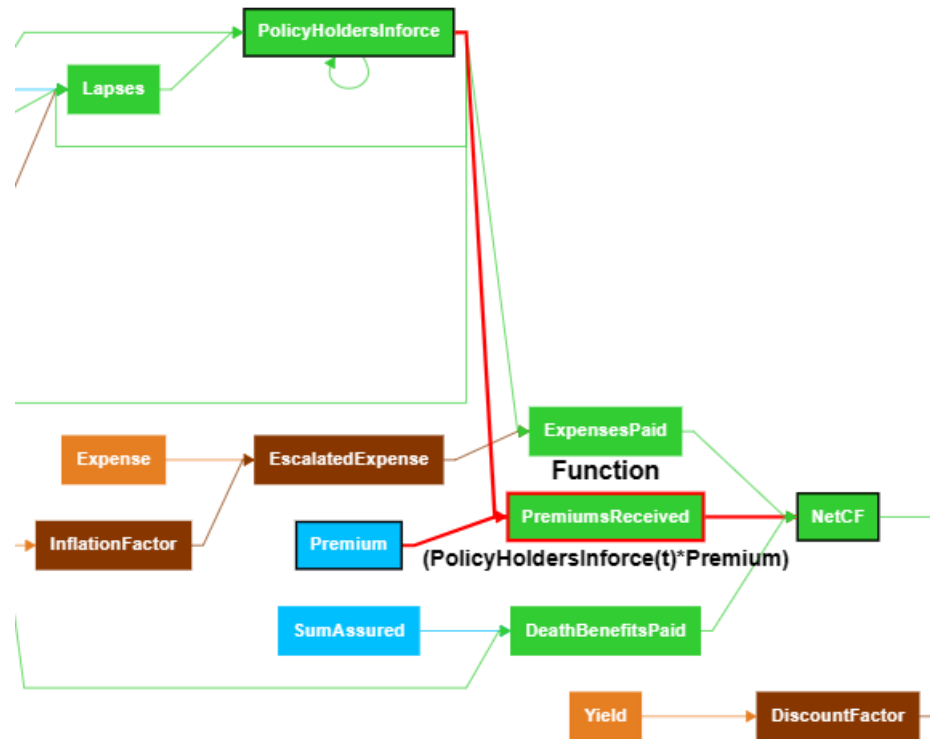
This will display a visualisation of the product, as below. The different components of the **Model** (variables, functions, etc.) are coloured differently.



Clicking on any component of the **Model** will highlight the inputs and outputs of that component.



Hovering over any component of the **Model** will display more details about that component (e.g., the formula of a function).



Run Template Spreadsheets

Once we are happy with our **Model**, we can initiate a **Run** against this **Model**. The details of the **Run** are specified in an Excel spreadsheet which is then uploaded to [mguchiQ](#) for processing.

Templates are provided for the different **Run** types

The screenshot displays the mguchiQ web application interface. The top navigation bar includes the mguchiQ logo and several buttons: 'New GoalSeek Run', 'New Aggregate Run', 'New Model', 'New Dataset', 'New Check Run', 'New Stochastic Run', 'Model Template', and 'New Descriptor'. The user 'Steve Farnaby' is logged in, with options to 'Change Password', 'Log Off', 'Change Group', and 'Refresh'. The main content area is divided into two sections. The left section, titled 'Model', shows details for 'BEL Version 3'. The 'Details' table lists: Short Name (Version 3), Full Name (BEL.Version 3), Description (Updated PV function), Created By (Steve Farnaby), Date (2024/01/23 14:15), and State (Completed). The 'Files' table lists: Creation File (Model BELv3.xlsx), Check Run Template (Check_BEL.Version 3.xlsx), Aggregate Run Template (Aggregate_BEL.Version 3.xlsx), GoalSeek Run Template (GoalSeek_BEL.Version 3.xlsx), Stochastic Run Template (Stochastic_BEL.Version 3.xlsx), and Code File (BEL.Version 3.cs). The 'Product Graph' section shows a dropdown for 'Product' set to 'Life' and a 'Display Graph' button. The 'Actions' section has 'Delete' and 'Lock' buttons. The right section, titled 'Runs', shows a table with columns 'Model Series / Model' and 'State'. It lists 'BEL Version 3' with a green checkmark in the 'State' column.

Model	
Details	
Short Name	Version 3
Full Name	BEL.Version 3
Description	Updated PV function
Created By	Steve Farnaby
Date	2024/01/23 14:15
State	Completed

Files	
Creation File	Model BELv3.xlsx
Check Run Template	Check_BEL.Version 3.xlsx
Aggregate Run Template	Aggregate_BEL.Version 3.xlsx
GoalSeek Run Template	GoalSeek_BEL.Version 3.xlsx
Stochastic Run Template	Stochastic_BEL.Version 3.xlsx
Code File	BEL.Version 3.cs

Product Graph	
Product	Life
Display Graph	

Actions	
Delete	
Lock	

Runs	Archived	Models	Datasets	Descriptors
Model Series / Model				
State				
BEL				
Version 3				
✓				

Submitting a Run

Clicking any of the **[New Run]** buttons will allow you to upload an Excel spreadsheet that contains your **Run** details. Clicking the **[Add New Run]** button will submit your **Run** to **mguchiQ** for processing. Below we have chosen to add a new **Aggregate Run**.

The screenshot shows the mguchiQ web application interface. The browser address bar displays 'localhost:44342' and 'https://localhost:44342'. The application has a dark blue header with the 'mguchiQ' logo on the left. A navigation bar contains several buttons: 'New GoalSeek Run', 'New Aggregate Run' (highlighted with an orange box), 'New Model', 'New Dataset', 'New Check Run', 'New Stochastic Run', 'Model Template', and 'New Descriptor'. On the right side of the header, user information 'Steve Farnaby' is shown, along with buttons for 'Change Password', 'Log Off', 'Change Group', and 'Refresh'. Below the navigation bar, a modal dialog titled 'New Aggregate Run' is open, also highlighted with an orange box. It contains an 'Input Excel File' section with a 'Choose File' button and the text 'Run 1 - Aggregate.xlsx'. At the bottom of the dialog is an 'Add New Aggregate Run' button. To the right of the dialog, there is a sidebar with tabs for 'Runs', 'Archived', 'Models', 'Datasets', and 'Descriptors'. The 'Runs' tab is active, showing a table with columns 'Name' and 'State'. The table is currently empty. At the bottom right of the sidebar, there are icons for a window and settings.

Once submitted, the **Run** will appear in the **Runs** section of the web page. Initially the **Run** will not have a **State**. Once the processing engine starts processing the **Run** the **State** will be updated.

The screenshot shows the mguchiQ web application interface. The browser address bar displays `localhost:44342`. The application header includes the mguchiQ logo and several buttons: "New GoalSeek Run", "New Aggregate Run", "New Model", "New Dataset", "New Check Run", "New Stochastic Run", "Model Template", and "New Descriptor". On the right side of the header, user information "Steve Farnaby" is shown along with "Change Password", "Log Off", "Demo", "Change Group", and "Refresh" buttons. Below the header, a "Message" box displays "Run [99] submitted for processing". To the right, a navigation menu highlights the "Runs" tab, with other tabs being "Archived", "Models", "Datasets", and "Descriptors". Below this menu is a table with columns "Name" and "State". The table contains one entry: "2024/01/23 Run 1 - Aggregate.xlsx" with a truncated state "...".

Name	State
2024/01/23 Run 1 - Aggregate.xlsx	...

Run Errors

If there are any errors in the **Run**, the **State** will have a red **X** indicating an error condition. The specific errors can be highlighted by clicking on the **Run** in the **Runs** section.

The screenshot displays the mguchiQ web application interface. The top navigation bar includes the mguchiQ logo and several buttons: New GoalSeek Run, New Aggregate Run, New Model, New Dataset, New Check Run, New Stochastic Run, Model Template, and New Descriptor. The user is logged in as Steve Farnaby, with options to Change Password, Log Off, Change Group, and Refresh.

The main content area is divided into two sections. The left section shows the details of a specific run, 'Run Aggregate All - With Error.xlsx'. The 'Details' tab is active, showing the following information:

Details	
Name	Run Aggregate All - With Error.xlsx
Calculation Type	Aggregate
Created By	Steve Farnaby
Date	2024/01/23 14:35
State	Error

The 'Partitions' and 'Results' tabs are also visible, both showing 'No partition information available yet' and 'No result information available yet' respectively.

The 'Times' tab shows the following timing information:

Times	
Setup Time	00:00:00.0
Calculation Time	00:00:00.0
Saving Time	00:00:00.0
Aggregating Time	00:00:00.0
Total Time	00:00:00.0

The 'Records' tab shows the following record counts:

Records	
Total	
Excluded	(NaN)
Included	(NaN)

The 'References' tab shows the 'Creation File' as 'Run Aggregate All - With Error.xlsx'.

The 'Actions' tab shows a 'Delete' button.

The 'Messages' tab shows the following messages:

- Object reference not set to an instance of an object.
- Model [BEL.Version 999] not found

The right section shows the 'Runs' list, with tabs for Runs, Archived, Models, Datasets, and Descriptors. The 'Runs' tab is active, showing a table with the following data:

Name	State
2024/01/23 Run Aggregate All - With Error.xlsx	X

Completed Runs

Once a **Run** has been successfully calculated it will appear in the **Runs** section with a green tick ✓ next to it.

The screenshot displays the mguchiQ web application interface in a browser window. The address bar shows the URL `https://localhost:44342`. The application has a dark blue header with the mguchiQ logo on the left and user controls on the right. The user is logged in as 'Steve Farnaby' with the role 'Demo'. The header includes buttons for 'New GoalSeek Run', 'New Aggregate Run', 'New Model', 'New Dataset', 'New Check Run', 'New Stochastic Run', 'Model Template', and 'New Descriptor'. User controls include 'Change Password', 'Log Off', 'Change Group', and 'Refresh'. Below the header, there is a navigation bar with tabs: 'Runs' (selected), 'Archived', 'Models', 'Datasets', and 'Descriptors'. The main content area shows a table with two columns: 'Name' and 'State'. A single row is visible, representing a completed run: '2024/01/23 Aggregate All Demo' with a green checkmark in the 'State' column. The row is highlighted with an orange border. The mguchiQ logo is also present in the footer.

Name	State
2024/01/23 Aggregate All Demo	✓

Run Details

Clicking on the **Run** will bring up details of that **Run**.

The screenshot displays the mguchiQ application interface. The main content area is titled "Run" and contains several sections:

- Details:** Name: Aggregate All Demo, Calculation Type: Aggregate, Created By: Steve Farnaby, Date: 2024/01/23 14:39, State: Completed.
- Partitions:** A table with columns No., Machine, and State. It shows one partition: 1 STEVE-DELL5531 ✓.
- Results:** A table with columns Absolute, Difference, Conditions, and Functions. It lists various scenarios and functions, all of which are checked. Below the table are input fields for Min T (1) and Max T (1240), and buttons for "Results in Excel" and "Results in Browser".
- Times:** A table showing various time metrics: Setup Time (00:00:00.9), Calculation Time (00:00:01.6), Saving Time (00:00:00.9), Aggregating Time (00:00:00.0), and Total Time (00:00:03.5).
- Records:** A table showing Total (10), Excluded (%), and Included (10 (100%)).
- References:** A table showing Creation File (Run Aggregate All.xlsx), Model (BELVersion 3), and Dataset (Aggregate All Demo).
- Actions:** A table with buttons for Delete, Lock, and Archive.

The right sidebar shows a list of runs with columns Name and State. The selected run is "2024/01/23 Aggregate All Demo" with a green checkmark in the State column.

Run Partitions

When a **Run** is set up it may be broken up into several **Partitions** so that the processing of the **Run** can be shared over a number of computing machines. The details of the **Partitions** are displayed on the **Run details** page and can be interrogated further by clicking on the appropriate **Partition No.**

Run				
Details		Partitions	Results	
Name	Aggregate All Demo	No.	Machine	State
Calculation Type	Aggregate	1	STEVE-DELL5531	✓
Created By	Steve Farnaby			
Date	2024/01/23 14:39			
State	Completed			
Times				
Setup Time	00:00:00.9			
Calculation Time	00:00:01.6			
Saving Time	00:00:00.9			
Aggregating Time	00:00:00.0			
Total Time	00:00:03.5			
Records				
Total	10			
Excluded	(%)			
Included	10 (100%)			
References				
Creation File	Run Aggregate All.xlsx			
Model	BEL.Version 3			
Dataset	Aggregate All Demo			
		Scenarios		
		Absolute	Difference	
		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Base
		<input type="checkbox"/>	<input type="checkbox"/>	ShockExpense
		<input type="checkbox"/>	<input type="checkbox"/>	ShockLapseDown
		<input type="checkbox"/>	<input type="checkbox"/>	ShockLapseUp
		<input type="checkbox"/>	<input type="checkbox"/>	ShockLongevity
		<input type="checkbox"/>	<input type="checkbox"/>	ShockMortality
		<input type="checkbox"/>	<input type="checkbox"/>	ShockYieldDown
		<input type="checkbox"/>	<input type="checkbox"/>	ShockYieldUp
		<input checked="" type="checkbox"/> All		
		<input type="checkbox"/> Juniors		
		<input type="checkbox"/> MiddleAged		
		<input type="checkbox"/> Seniors		
		<input checked="" type="checkbox"/> Age		
		<input checked="" type="checkbox"/> BEL		
		<input checked="" type="checkbox"/> DeathBenefitsPaid		
		<input checked="" type="checkbox"/> Deaths		
		<input checked="" type="checkbox"/> ExpensesPaid		
		<input checked="" type="checkbox"/> Lapses		
		<input checked="" type="checkbox"/> NetCF		
		<input checked="" type="checkbox"/> PolicyHoldersInforce		
		<input checked="" type="checkbox"/> PremiumsReceived		
		Min T 1		
		Max T 1240		
		Results in Excel		
		Results in Browser		

This will give details of the **Run Partition** as follows:

Partition			
Details		Times	
Name	Aggregate All Demo.1	Started Calculating	23/01/2024 2:40:20 pm
Short Name	1	Finished Calculating	23/01/2024 2:40:21 pm
Priority	Low	Started Saving	23/01/2024 2:40:21 pm
Machine	STEVE-DELL5531	Finished Saving	23/01/2024 2:40:22 pm
State	Completed	Calculation Time	00:00:01.6
		Saving Time	00:00:00.9
		Total Time	00:00:02.6
		Records	
		Total	10
		Excluded	(%)
		Included	10 (100%)

Run Results

You can choose the different options you would like returned in the result set. All results can be displayed in either the **web browser** or downloaded to **Excel**. The **Run Results** parameters offered are specific to the **Model** of the **Run**.

Results				
Scenarios				
Absolute	Difference		Conditions	Functions
<input checked="" type="checkbox"/>		Base	<input checked="" type="checkbox"/> All	<input type="checkbox"/> Age
<input type="checkbox"/>	<input checked="" type="checkbox"/>	ShockExpense	<input checked="" type="checkbox"/> Juniors	<input checked="" type="checkbox"/> BEL
<input type="checkbox"/>	<input type="checkbox"/>	ShockLapseDown	<input type="checkbox"/> MiddleAged	<input checked="" type="checkbox"/> DeathBenefitsPaid
<input type="checkbox"/>	<input type="checkbox"/>	ShockLapseUp	<input type="checkbox"/> Seniors	<input checked="" type="checkbox"/> Deaths
<input type="checkbox"/>	<input type="checkbox"/>	ShockLongevity		<input checked="" type="checkbox"/> ExpensesPaid
<input type="checkbox"/>	<input type="checkbox"/>	ShockMortality		<input checked="" type="checkbox"/> Lapses
<input type="checkbox"/>	<input type="checkbox"/>	ShockYieldDown		<input checked="" type="checkbox"/> NetCF
<input type="checkbox"/>	<input type="checkbox"/>	ShockYieldUp		<input checked="" type="checkbox"/> PolicyHoldersInforce
				<input checked="" type="checkbox"/> PremiumsReceived
			Min T	<input type="text" value="1"/>
			Max T	<input type="text" value="1240"/>
<input type="button" value="Results in Excel"/>			<input type="button" value="Results in Browser"/>	

Depending on the options chosen, the returned results will have a number of corresponding tabs at the bottom to scroll through the different result sets. Web browser results are as follows:

localhost:44342

localhost:44342/runResults?A_0=

https://localhost:44342/runResults?A_0=on&C_0=on&...

Run Id

101

Run Name

Aggregate All Demo

Calculation Type

Aggregate

Min T

1

Max T

1240

T	BEL	DeathBenefitsPaid	Deaths	ExpensesPaid	Lapses	NetCF	PolicyHoldersInforce	PremiumsReceived
1	-11,791.55	925.09	0.00	50.00	0.15	800.91	10.00	1,776.00
2	-12,643.77	914.08	0.00	49.45	0.14	783.37	9.85	1,746.90
3	-13,482.33	912.78	0.00	48.92	0.14	756.61	9.70	1,718.31
4	-14,297.99	898.38	0.00	48.39	0.13	743.43	9.56	1,690.20
5	-15,104.33	886.58	0.00	47.90	0.13	730.06	9.42	1,664.54
6	-15,901.20	874.07	0.00	47.41	0.13	717.82	9.29	1,639.30
7	-16,689.73	863.72	0.00	46.94	0.12	703.80	9.16	1,614.45
8	-17,468.17	867.16	0.00	46.50	0.12	676.56	9.04	1,590.22
9	-18,223.25	854.46	0.00	46.07	0.11	665.84	8.92	1,566.37
10	-18,971.52	843.07	0.00	45.67	0.11	656.56	8.81	1,545.30
11	-19,714.43	836.53	0.00	45.28	0.11	642.71	8.69	1,524.52
12	-20,447.44	873.49	0.00	44.89	0.10	585.65	8.59	1,504.02
13	-21,127.14	862.14	0.00	44.54	0.10	577.97	8.48	1,484.65
14	-21,802.89	856.01	0.00	44.20	0.09	567.38	8.39	1,467.59
15	-22,471.78	859.00	0.00	43.87	0.09	547.86	8.29	1,450.74
16	-23,124.87	849.59	0.00	43.56	0.09	541.20	8.20	1,434.35
17	-23,775.02	841.64	0.00	43.25	0.09	533.27	8.11	1,418.16
18	-24,421.01	832.90	0.00	42.94	0.08	526.30	8.01	1,402.15
19	-25,063.81	826.29	0.00	42.65	0.08	517.57	7.93	1,386.51
20	-25,701.69	832.61	0.00	42.37	0.08	496.06	7.84	1,371.04
21	-26,321.81	823.63	0.00	42.10	0.08	490.25	7.76	1,355.98
22	-26,939.92	814.75	0.00	41.83	0.08	484.51	7.68	1,341.09
23	-27,556.11	810.45	0.00	41.57	0.08	474.34	7.60	1,326.36
24	-28,165.97	849.64	0.00	41.30	0.08	420.85	7.52	1,311.79
25	-28,725.97	840.47	0.00	41.04	0.08	415.83	7.45	1,297.33
26	-29,283.96	834.85	0.00	40.78	0.07	407.40	7.37	1,283.04
27	-29,836.54	837.88	0.00	40.52	0.07	390.49	7.29	1,268.90
28	-30,375.16	828.82	0.00	40.27	0.07	385.83	7.22	1,254.91
29	-30,912.07	821.66	0.00	40.03	0.07	380.12	7.14	1,241.81

All (Base)

Juniors (Base)

All (ShockExpense [difference])

Juniors (ShockExpense [difference])

Excel results are as follows:

A1												
	A	B	C	D	E	F	G	H	I	J	K	L
1	T	BEL	DeathBenefitsPaid	Deaths	ExpensesPaid	Lapses	NetCF	PolicyHoldersInforce	PremiumsReceived			
2	1	-11,791.55	925.09	0.00	50.00	0.15	800.91	10.00	1,776.00			
3	2	-12,643.77	914.08	0.00	49.45	0.14	783.37	9.85	1,746.90			
4	3	-13,482.33	912.78	0.00	48.92	0.14	756.61	9.70	1,718.31			
5	4	-14,297.99	898.38	0.00	48.39	0.13	743.43	9.56	1,690.20			
6	5	-15,104.33	886.58	0.00	47.90	0.13	730.06	9.42	1,664.54			
7	6	-15,901.20	874.07	0.00	47.41	0.13	717.82	9.29	1,639.30			
8	7	-16,689.73	863.72	0.00	46.94	0.12	703.80	9.16	1,614.45			
9	8	-17,468.17	867.16	0.00	46.50	0.12	676.56	9.04	1,590.22			
10	9	-18,223.25	854.46	0.00	46.07	0.11	665.84	8.92	1,566.37			
11	10	-18,971.52	843.07	0.00	45.67	0.11	656.56	8.81	1,545.30			
12	11	-19,714.43	836.53	0.00	45.28	0.11	642.71	8.69	1,524.52			
13	12	-20,447.44	873.49	0.00	44.89	0.10	585.65	8.59	1,504.02			
14	13	-21,127.14	862.14	0.00	44.54	0.10	577.97	8.48	1,484.65			
15	14	-21,802.89	856.01	0.00	44.20	0.09	567.38	8.39	1,467.59			
16	15	-22,471.78	859.00	0.00	43.87	0.09	547.86	8.29	1,450.74			
17	16	-23,124.87	849.59	0.00	43.56	0.09	541.20	8.20	1,434.35			
18	17	-23,775.02	841.64	0.00	43.25	0.09	533.27	8.11	1,418.16			
19	18	-24,421.01	832.90	0.00	42.94	0.08	526.30	8.01	1,402.15			
20	19	-25,063.81	826.29	0.00	42.65	0.08	517.57	7.93	1,386.51			
21	20	-25,701.69	832.61	0.00	42.37	0.08	496.06	7.84	1,371.04			
22	21	-26,321.81	823.63	0.00	42.10	0.08	490.25	7.76	1,355.98			
23	22	-26,939.92	814.75	0.00	41.83	0.08	484.51	7.68	1,341.09			

All (Base)

Juniors (Base)

All (ShockExpense-d)

Juniors (ShockExpense-d)

Ready

Accessibility: Good to go

Display Settings

100%

Run Results – Sub Results

If extra results details were specified when initiating a **Run**, then these extra result sets can be accessed by expanding the **Run** results as follows:

The screenshot shows the mguchiQ web application interface. The top navigation bar includes the mguchiQ logo and several buttons: 'New GoalSeek Run', 'New Aggregate Run', 'New Model', 'New Dataset', 'New Check Run', 'New Stochastic Run', 'Model Template', and 'New Descriptor'. The right side of the navigation bar shows the user 'Steve Farnaby' with buttons for 'Change Password', 'Log Off', 'Change Group', and 'Refresh'. Below the navigation bar, there are tabs for 'Runs', 'Archived', 'Models', 'Datasets', and 'Descriptors'. The 'Runs' tab is active, displaying a table with columns 'Name' and 'State'. The table contains one entry: '2024/01/23 Aggregate All Demo' with a green checkmark in the 'State' column. This entry is expanded, showing a sub-table with two rows: 'T.1' and 'Product.Life01'. The browser address bar shows 'https://localhost:44342'.

Name	State
2024/01/23 Aggregate All Demo	✓
T.1	
Product.Life01	