

Test Assessment and Evaluation

For MVC Reporting Website Framework

(MVC RWF)

Version 1.2

Submitted in partial fulfillment of the Masters of Software
Engineering Degree.

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Change Log

Version #	Changed By	Release Date	Change Description
1.0	Thaddeus Tuck	10/30/2018	Initial Release
1.1	Thaddeus Tuck	11/04/2018	Update of References
1.2	Thaddeus Tuck	11/07/2018	Added Graphs from Stress Testing
1.3	Thaddeus Tuck	11/8/2018	Update from Presentation 3

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1. Test Plan Identifier

TripleT.ReportingFramework.Core.Tests

2. Introduction

This document provides the methodology for how the MVC Reporting Website Framework will be tested. Visual Studio allows the creation of unit testing projects which can be used to unit test aspects of a Visual Studio project. Selenium is a framework/API that allows for the incorporation of integration tests of the website to verify that framework properly renders the webpages generated by the MVC Reporting Website Framework.

2.1 References

- [1] Tuck, T. Vision Plan 2.0 Retrieved 10/30/2018, from Thaddeus Tuck's Project Page Web Site:
<http://thaddeustuckmastersproject.azurewebsites.net>
- [2] Naga Sowjanya Karumuri, Test Plan v2.1 Retrieved 10/30/2018, from Sowjanya's Project Page Web Site: <http://people.cis.ksu.edu/~sowji/100jiMSE/>
- [3] Hill, K. Test Plan 1.0 Retrieved 10/30/2018, from Kyle Hill's Project Page Web Site: <http://mse.cs.ksu.edu/hill/>

3. Test Items

The following items will be tested:

- Model Related Items
- Structure Related Items
- View Related Items
- Extensibility Related Items
- Performance Related Items
- Project Initialization Related Items
- NuGet Package Implementation Related Items
- Table-based Report Related Items

4. Unit Tested Features

All features listed below will be tested through unit and integration testing through Visual Studio and Selenium and can be found in [1].

4.1 Model Related Items

- **MRI 1** – The framework shall have a model that represents a cell (td) in a HTML table.
- **MRI 2** – The framework shall have a model that represents a row (tr) in a HTML table.
- **MRI 3** – The framework shall have a model that represents a column (th) in a HTML table.
- **MRI 4** – The framework shall have a model that represents a table in HTML.
- **MRI 5** – The framework shall have a base model that can indicate the occurrence of an error.
- **MRI 6** – The framework models shall have properties and functions to facilitate advanced filtering.

4.2 Structure Related Items

- **SRI 1** – The framework shall have a base repository class to facilitate standard functions to assist with model binding and processing for framework supported views.
- **SRI 2** – The framework shall have a base service class to facilitate processing of requests from the browser and providing a central connection for necessary repositories and calculation processes.
- **SRI 3** – The framework shall have a base controller class that will provide functions, extensions, and properties to aid in processing view models into views.

4.3 View Related Items

- **VRI 1** – The framework shall provide a base layout that provides sections for loading CSS, JavaScript, and other HTML components.
- **VRI 2** – The framework shall provide a specific layout for the framework supported DataTable report.
- **VRI 3** – The framework shall provide a view that contains the HTML generated from the framework's table model and its subsequent component models.
- **VRI 4** – The framework shall provide partials containing necessary CSS, JavaScript, and HTML to facilitate advanced filtering, column selection, and column ordering for the DataTable view.

4.4 Extensibility Related Items

- **ERI 1** – The framework shall have a service provider which will allow the end developer to create, extend, and/or override components of the MVC Reporting Framework.
- **ERI 2** – The framework shall have extension classes that can be used to customize standard options for whether features of the framework are enabled or disabled by default and at run time.
- **ERI 3** – The end developer shall have the ability to use multiple ASP.NET MVC projects that reference the MVC Reporting Framework NuGet package to create a fully extensible website.

4.5 Performance Related Items

- **PRI 1** – The framework shall be able to use post loading to render and be able to search and filter at least eighty thousand rows with twenty columns in less than thirty seconds from the beginning of DataTable initialization on the framework developer's machine in the Google Chrome Browser.
 - OS Name: Microsoft Windows 10 Pro
 - Version: Version 10.0.17134 Build 17134
 - System Manufacturer: MSI
 - System Model: MS-7885
 - System Type: x64-based PC
 - Processor: Intel(R) Core(TM) i7-5930K CPU @ 3.50GHz, 3501 Mhz, 6 Core(s), 12 Logical Processor(s)
 - Installed Physical Memory (RAM): 32.0 GB

5. Human Tested Features

All features listed below will be tested by human developers as forms of system integration and user acceptance testing.

5.1 Project Initialization Related Items

- The tester should be able to use provided instructions to create an ASP.NET MVC project.
- The tester should be able to use provided instructions to prepare the created ASP.NET MVC project for use with the MVC Reporting Framework NuGet Package.

5.2 NuGet Package Implementation Related Items

- The tester should be able to use the provided instructions to setup a local NuGet repository.
- The tester should be able to use the provided instructions to install the MVC Reporting Framework NuGet Package.

5.3 Table-based Report Related Items

- The tester should be able to use the provided instructions to setup a table-based report.
- The tester should be able to use framework extensions and models to setup filtering without writing JavaScript or HTML.
- **ERI 3** – The tester should be able to use the provided instructions to create a second ASP.NET MVC project that references the MVC Reporting Framework NuGet package to create a second table-based report that is accessible and usable by the primary ASP.NET MVC website.

6. Approach

Testing will be done by the MVC Reporting Framework developer in the form of unit and integration testing through Visual Studio and by independent human testers that will be provided detail instructions for user acceptance testing and system integration testing.

7. Item Pass/Fail Criteria

7.1 Unit Tested Features

A requirement will be determined to have passed if all unit tests related to that requirement's component(s) are validated and considered passed by Visual Studio's unit testing framework.

7.2 Human Tested Features

A requirement will be determined to have passed if the human tester is able to understand and complete the instructions to achieve the desired result from the instructions.

8. Suspension Criteria and Resumption Requirements

8.1 Suspension Criteria

Testing will be halted if a test case fails during testing. The reason for the failure and a suggested solution will be logged with the test case.

8.2 Resumption Criteria

The failed test cases will be rerun from the beginning of the test after logging the failure, its cause, and a possible solution to the problem in the test log. Other independent test cases will continue to be executed to fix issues with independent project areas.

9. Test Results Summary

Test Case	Feature Tested	Pass/Fail/Incomplete	Number of Applicable Unit Tests
4.1	Model Related Items	Pass	107
4.2	Structure Related Items	Pass	5
4.3	View Related Items	Incomplete: Selenium Testing has not been Implemented.	5
4.4	Extensibility Related Items	Incomplete: A service provider has not been implemented, and configuration dependent on the service provider has not been implemented.	4
4.5	Performance Related Items	Fail: Testing has been done, the specified time range was not achieved in the current implementation.	0
5.1	Project Initialization Related Items	Pass	0
5.2	NuGet Package Implementation Related Items	Pass	0
5.3	Table-based Report Related Items	Pass	0

Table 1: Test Results Summary

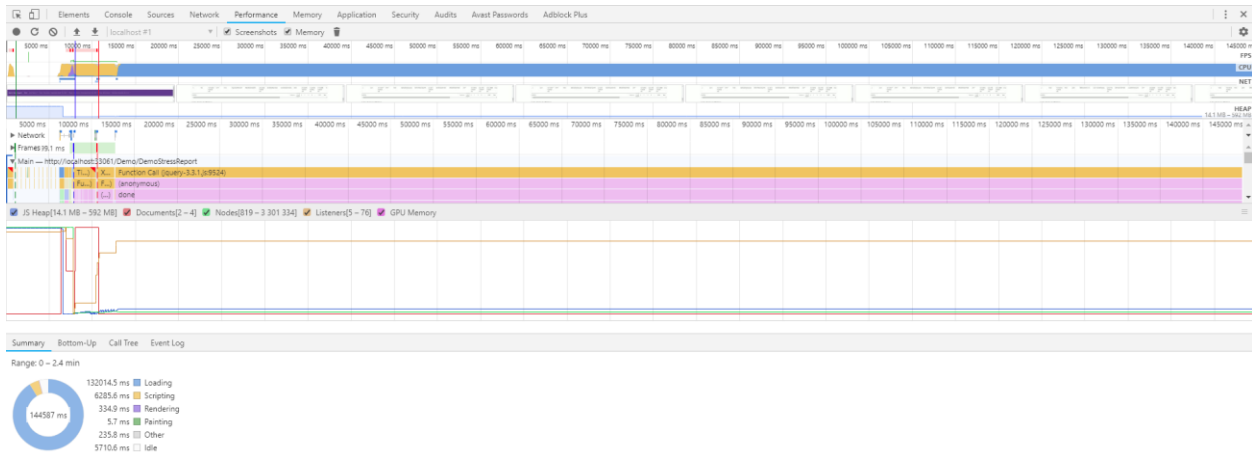


Figure 1: Performance Testing - Stress Testing on Developer's Machine

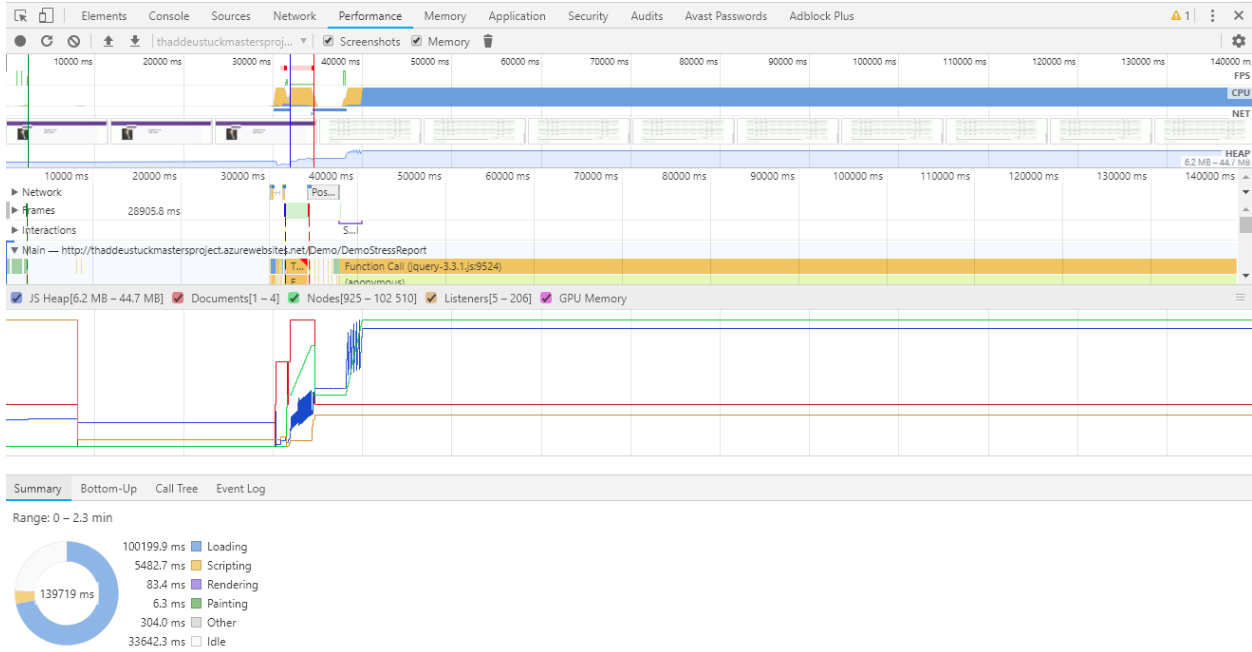


Figure 2: Performance Testing - Stress Testing on Azure Hosted Project Site

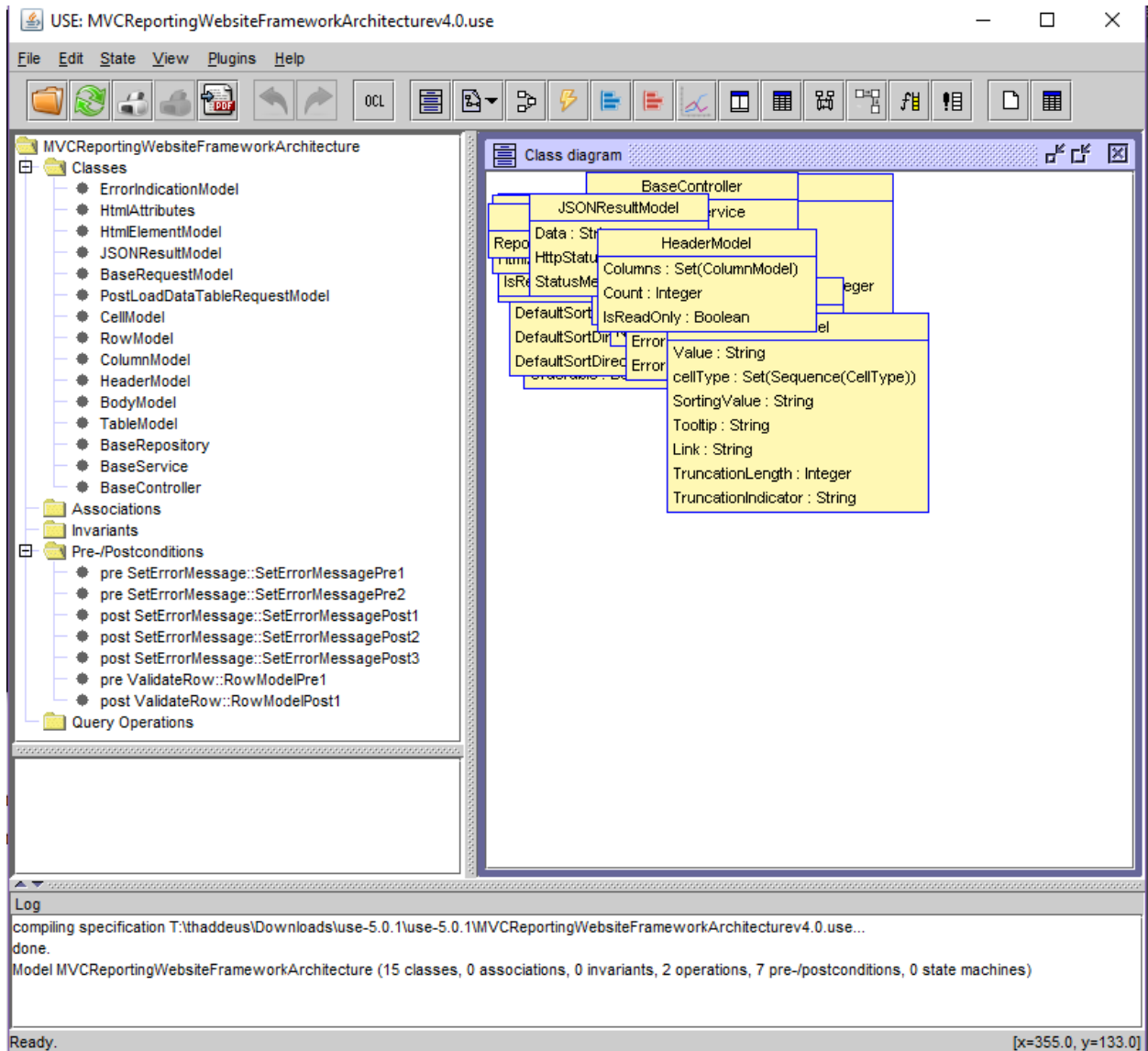


Figure 3: USE Validation of the OCL Formal Specification

10. Complete Unit Test Results

Group Name: TripleT.ReportingFramework.Core.Tests

Group By: Hierarchy

Group Full Name: TripleT.ReportingFramework.Core.Tests

Duration: 0:00:00.6969067

0 test(s) failed

0 test(s) skipped

121 test(s) passed

Result1 Name: AddTest

Result1 Outcome: Passed

Result1 Duration: 0:00:00.0003063

Result1 StackTrace:

Result1 Message:

Result1 StandardOutput:

Result1 StandardError:

Result2 Name: AddTest

Result2 Outcome: Passed

Result2 Duration: 0:00:00.0003622

Result2 StackTrace:

Result2 Message:

Result2 StandardOutput:

Result2 StandardError:

Result3 Name: AddTest

Result3 Outcome: Passed

Result3 Duration: 0:00:00.0003876

Result3 StackTrace:

Result3 Message:

Result3 StandardOutput:

Result3 StandardError:

Result4 Name: AddTest1

Result4 Outcome: Passed

Result4 Duration: 0:00:00.0003897

Result4 StackTrace:

Result4 Message:

Result4 StandardOutput:

Result4 StandardError:

Result5 Name: AddTest1

Result5 Outcome: Passed

Result5 Duration: 0:00:00.0003376

Result5 StackTrace:

Result5 Message:

Result5 StandardOutput:

Result5 StandardError:

Result6 Name: AddTest1

Result6 Outcome: Passed

Result6 Duration: 0:00:00.0007261

Result6 StackTrace:

Result6 Message:

Result6 StandardOutput:

Result6 StandardError:

Result7 Name: AddTest2

Result7 Outcome: Passed

Result7 Duration: 0:00:00.0003815

Result7 StackTrace:

Result7 Message:

Result7 StandardOutput:

Result7 StandardError:

Result8 Name: AddTest2

Result8 Outcome: Passed

Result8 Duration: 0:00:00.0003469

Result8 StackTrace:

Result8 Message:

Result8 StandardOutput:

Result8 StandardError:

Result9 Name: AddTest2

Result9 Outcome: Passed

Result9 Duration: 0:00:00.0004052

Result9 StackTrace:

Result9 Message:

Result9 StandardOutput:

Result9 StandardError:

Result10 Name: AddTest2DateTime

Result10 Outcome: Passed

Result10 Duration: 0:00:00.0004344

Result10 StackTrace:

Result10 Message:

Result10 StandardOutput:

Result10 StandardError:

Result11 Name: AddTest2Numeric

Result11 Outcome: Passed

Result11 Duration: 0:00:00.0003554

Result11 StackTrace:

Result11 Message:

Result11 StandardOutput:

Result11 StandardError:

Result12 Name: AddTest3

Result12 Outcome: Passed

Result12 Duration: 0:00:00.0003695

Result12 StackTrace:

Result12 Message:

Result12 StandardOutput:

Result12 StandardError:

Result13 Name: AddTest3

Result13 Outcome: Passed

Result13 Duration: 0:00:00.0004101

Result13 StackTrace:

Result13 Message:

Result13 StandardOutput:

Result13 StandardError:

Result14 Name: AddTest3DateTime

Result14 Outcome: Passed

Result14 Duration: 0:00:00.0003759

Result14 StackTrace:

Result14 Message:

Result14 StandardOutput:

Result14 StandardError:

Result15 Name: AddTest3Numeric

Result15 Outcome: Passed

Result15 Duration: 0:00:00.0003595

Result15 StackTrace:

Result15 Message:

Result15 StandardOutput:

Result15 StandardError:

Result16 Name: AddTest4

Result16 Outcome: Passed

Result16 Duration: 0:00:00.0003466

Result16 StackTrace:

Result16 Message:

Result16 StandardOutput:

Result16 StandardError:

Result17 Name: AddTest4

Result17 Outcome: Passed

Result17 Duration: 0:00:00.0003981

Result17 StackTrace:

Result17 Message:

Result17 StandardOutput:

Result17 StandardError:

Result18 Name: AddTest4DateTime

Result18 Outcome: Passed

Result18 Duration: 0:00:00.0003478

Result18 StackTrace:

Result18 Message:

Result18 StandardOutput:

Result18 StandardError:

Result19 Name: AddTest4Numeric

Result19 Outcome: Passed

Result19 Duration: 0:00:00.0003358

Result19 StackTrace:

Result19 Message:

Result19 StandardOutput:

Result19 StandardError:

Result20 Name: AddTest5

Result20 Outcome: Passed

Result20 Duration: 0:00:00.0006357

Result20 StackTrace:

Result20 Message:

Result20 StandardOutput:

Result20 StandardError:

Result21 Name: AddTest5

Result21 Outcome: Passed

Result21 Duration: 0:00:00.0007457

Result21 StackTrace:

Result21 Message:

Result21 StandardOutput:

Result21 StandardError:

Result22 Name: AddTest5DateTime

Result22 Outcome: Passed

Result22 Duration: 0:00:00.0006187

Result22 StackTrace:

Result22 Message:

Result22 StandardOutput:

Result22 StandardError:

Result23 Name: AddTest5Numeric

Result23 Outcome: Passed

Result23 Duration: 0:00:00.0005915

Result23 StackTrace:

Result23 Message:

Result23 StandardOutput:

Result23 StandardError:

Result24 Name: AddTest6

Result24 Outcome: Passed

Result24 Duration: 0:00:00.000634

Result24 StackTrace:

Result24 Message:

Result24 StandardOutput:

Result24 StandardError:

Result25 Name: AddTest6

Result25 Outcome: Passed
Result25 Duration: 0:00:00.0007203
Result25 StackTrace:
Result25 Message:
Result25 StandardOutput:
Result25 StandardError:

Result26 Name: AddTest6DateTime
Result26 Outcome: Passed
Result26 Duration: 0:00:00.0006176
Result26 StackTrace:
Result26 Message:
Result26 StandardOutput:
Result26 StandardError:

Result27 Name: AddTest6Numeric
Result27 Outcome: Passed
Result27 Duration: 0:00:00.000595
Result27 StackTrace:
Result27 Message:
Result27 StandardOutput:
Result27 StandardError:

Result28 Name: AddTest7
Result28 Outcome: Passed
Result28 Duration: 0:00:00.0007641
Result28 StackTrace:
Result28 Message:
Result28 StandardOutput:

Result28 StandardError:

Result29 Name: AddTest7DateTime

Result29 Outcome: Passed

Result29 Duration: 0:00:00.000698

Result29 StackTrace:

Result29 Message:

Result29 StandardOutput:

Result29 StandardError:

Result30 Name: AddTest7Numeric

Result30 Outcome: Passed

Result30 Duration: 0:00:00.0006767

Result30 StackTrace:

Result30 Message:

Result30 StandardOutput:

Result30 StandardError:

Result31 Name: AddTest8

Result31 Outcome: Passed

Result31 Duration: 0:00:00.0004678

Result31 StackTrace:

Result31 Message:

Result31 StandardOutput:

Result31 StandardError:

Result32 Name: AddTest8DateTime

Result32 Outcome: Passed

Result32 Duration: 0:00:00.0007129

Result32 StackTrace:

Result32 Message:

Result32 StandardOutput:

Result32 StandardError:

Result33 Name: AddTest8Numeric

Result33 Outcome: Passed

Result33 Duration: 0:00:00.0004251

Result33 StackTrace:

Result33 Message:

Result33 StandardOutput:

Result33 StandardError:

Result34 Name: BaseRepositoryTest

Result34 Outcome: Passed

Result34 Duration: 0:00:00.0001287

Result34 StackTrace:

Result34 Message:

Result34 StandardOutput:

Result34 StandardError:

Result35 Name: BaseRequestModelTest

Result35 Outcome: Passed

Result35 Duration: 0:00:00.0001688

Result35 StackTrace:

Result35 Message:

Result35 StandardOutput:

Result35 StandardError:

Result36 Name: BaseServiceTest

Result36 Outcome: Passed

Result36 Duration: 0:00:00.3474284

Result36 StackTrace:

Result36 Message:

Result36 StandardOutput:

Result36 StandardError:

Result37 Name: BaseServiceTest1

Result37 Outcome: Passed

Result37 Duration: 0:00:00.0003943

Result37 StackTrace:

Result37 Message:

Result37 StandardOutput:

Result37 StandardError:

Result38 Name: BodyModelTest

Result38 Outcome: Passed

Result38 Duration: 0:00:00.0001957

Result38 StackTrace:

Result38 Message:

Result38 StandardOutput:

Result38 StandardError:

Result39 Name: BodyModelTest1

Result39 Outcome: Passed

Result39 Duration: 0:00:00.0004578

Result39 StackTrace:

Result39 Message:

Result39 StandardOutput:

Result39 StandardError:

Result40 Name: CellModelTest

Result40 Outcome: Passed

Result40 Duration: 0:00:00.0012033

Result40 StackTrace:

Result40 Message:

Result40 StandardOutput:

Result40 StandardError:

Result41 Name: CellModelTest1

Result41 Outcome: Passed

Result41 Duration: 0:00:00.0002059

Result41 StackTrace:

Result41 Message:

Result41 StandardOutput:

Result41 StandardError:

Result42 Name: CellModelTest1DateTime

Result42 Outcome: Passed

Result42 Duration: 0:00:00.0095123

Result42 StackTrace:

Result42 Message:

Result42 StandardOutput:

Result42 StandardError:

Result43 Name: CellModelTest1Numeric

Result43 Outcome: Passed

Result43 Duration: 0:00:00.0002621

Result43 StackTrace:

Result43 Message:

Result43 StandardOutput:

Result43 StandardError:

Result44 Name: CellModelTest2

Result44 Outcome: Passed

Result44 Duration: 0:00:00.000272

Result44 StackTrace:

Result44 Message:

Result44 StandardOutput:

Result44 StandardError:

Result45 Name: CellModelTest2DateTime

Result45 Outcome: Passed

Result45 Duration: 0:00:00.0002434

Result45 StackTrace:

Result45 Message:

Result45 StandardOutput:

Result45 StandardError:

Result46 Name: CellModelTest2Numeric

Result46 Outcome: Passed

Result46 Duration: 0:00:00.0002457

Result46 StackTrace:

Result46 Message:

Result46 StandardOutput:

Result46 StandardError:

Result47 Name: CellModelTest3

Result47 Outcome: Passed

Result47 Duration: 0:00:00.000327

Result47 StackTrace:

Result47 Message:

Result47 StandardOutput:

Result47 StandardError:

Result48 Name: CellModelTest3DateTime

Result48 Outcome: Passed

Result48 Duration: 0:00:00.000246

Result48 StackTrace:

Result48 Message:

Result48 StandardOutput:

Result48 StandardError:

Result49 Name: CellModelTest3Numeric

Result49 Outcome: Passed

Result49 Duration: 0:00:00.0002407

Result49 StackTrace:

Result49 Message:

Result49 StandardOutput:

Result49 StandardError:

Result50 Name: CellModelTest4

Result50 Outcome: Passed

Result50 Duration: 0:00:00.1344666

Result50 StackTrace:

Result50 Message:

Result50 StandardOutput:

Result50 StandardError:

Result51 Name: CellModelTest4DateTime

Result51 Outcome: Passed

Result51 Duration: 0:00:00.0005857

Result51 StackTrace:

Result51 Message:

Result51 StandardOutput:

Result51 StandardError:

Result52 Name: CellModelTest4Numeric

Result52 Outcome: Passed

Result52 Duration: 0:00:00.0005403

Result52 StackTrace:

Result52 Message:

Result52 StandardOutput:

Result52 StandardError:

Result53 Name: CellModelTest5

Result53 Outcome: Passed

Result53 Duration: 0:00:00.0005789

Result53 StackTrace:

Result53 Message:

Result53 StandardOutput:

Result53 StandardError:

Result54 Name: CellModelTest5DateTime

Result54 Outcome: Passed
Result54 Duration: 0:00:00.0004982
Result54 StackTrace:
Result54 Message:
Result54 StandardOutput:
Result54 StandardError:

Result55 Name: CellModelTest5Numeric

Result55 Outcome: Passed
Result55 Duration: 0:00:00.0005105
Result55 StackTrace:
Result55 Message:
Result55 StandardOutput:
Result55 StandardError:

Result56 Name: CellModelTest6

Result56 Outcome: Passed
Result56 Duration: 0:00:00.0108564
Result56 StackTrace:
Result56 Message:
Result56 StandardOutput:
Result56 StandardError:

Result57 Name: CellModelTest6DateTime

Result57 Outcome: Passed
Result57 Duration: 0:00:00.0006173
Result57 StackTrace:
Result57 Message:
Result57 StandardOutput:

Result57 StandardError:

Result58 Name: CellModelTest6Numeric

Result58 Outcome: Passed

Result58 Duration: 0:00:00.0005681

Result58 StackTrace:

Result58 Message:

Result58 StandardOutput:

Result58 StandardError:

Result59 Name: CellModelTest7

Result59 Outcome: Passed

Result59 Duration: 0:00:00.0008575

Result59 StackTrace:

Result59 Message:

Result59 StandardOutput:

Result59 StandardError:

Result60 Name: CellModelTest7DateTime

Result60 Outcome: Passed

Result60 Duration: 0:00:00.0005684

Result60 StackTrace:

Result60 Message:

Result60 StandardOutput:

Result60 StandardError:

Result61 Name: CellModelTest7Numeric

Result61 Outcome: Passed

Result61 Duration: 0:00:00.0003063

Result61 StackTrace:

Result61 Message:

Result61 StandardOutput:

Result61 StandardError:

Result62 Name: ClearTest

Result62 Outcome: Passed

Result62 Duration: 0:00:00.0003677

Result62 StackTrace:

Result62 Message:

Result62 StandardOutput:

Result62 StandardError:

Result63 Name: ClearTest

Result63 Outcome: Passed

Result63 Duration: 0:00:00.0002952

Result63 StackTrace:

Result63 Message:

Result63 StandardOutput:

Result63 StandardError:

Result64 Name: ClearTest

Result64 Outcome: Passed

Result64 Duration: 0:00:00.0003215

Result64 StackTrace:

Result64 Message:

Result64 StandardOutput:

Result64 StandardError:

Result65 Name: ColumnModelTest

Result65 Outcome: Passed

Result65 Duration: 0:00:00.0012966

Result65 StackTrace:

Result65 Message:

Result65 StandardOutput:

Result65 StandardError:

Result66 Name: ColumnModelTest1

Result66 Outcome: Passed

Result66 Duration: 0:00:00.0001772

Result66 StackTrace:

Result66 Message:

Result66 StandardOutput:

Result66 StandardError:

Result67 Name: ColumnModelTest2

Result67 Outcome: Passed

Result67 Duration: 0:00:00.0002378

Result67 StackTrace:

Result67 Message:

Result67 StandardOutput:

Result67 StandardError:

Result68 Name: ColumnModelTest3

Result68 Outcome: Passed

Result68 Duration: 0:00:00.0002475

Result68 StackTrace:

Result68 Message:

Result68 StandardOutput:

Result68 StandardError:

Result69 Name: ColumnModelTest4

Result69 Outcome: Passed

Result69 Duration: 0:00:00.0005301

Result69 StackTrace:

Result69 Message:

Result69 StandardOutput:

Result69 StandardError:

Result70 Name: ColumnModelTest5

Result70 Outcome: Passed

Result70 Duration: 0:00:00.0005064

Result70 StackTrace:

Result70 Message:

Result70 StandardOutput:

Result70 StandardError:

Result71 Name: ContainsTest

Result71 Outcome: Passed

Result71 Duration: 0:00:00.0005927

Result71 StackTrace:

Result71 Message:

Result71 StandardOutput:

Result71 StandardError:

Result72 Name: ContainsTest

Result72 Outcome: Passed

Result72 Duration: 0:00:00.0003753

Result72 StackTrace:

Result72 Message:

Result72 StandardOutput:

Result72 StandardError:

Result73 Name: ContainsTest

Result73 Outcome: Passed

Result73 Duration: 0:00:00.0004008

Result73 StackTrace:

Result73 Message:

Result73 StandardOutput:

Result73 StandardError:

Result74 Name: CopyToTest

Result74 Outcome: Passed

Result74 Duration: 0:00:00.0005462

Result74 StackTrace:

Result74 Message:

Result74 StandardOutput:

Result74 StandardError:

Result75 Name: CopyToTest

Result75 Outcome: Passed

Result75 Duration: 0:00:00.000387

Result75 StackTrace:

Result75 Message:

Result75 StandardOutput:

Result75 StandardError:

Result76 Name: CopyToTest

Result76 Outcome: Passed

Result76 Duration: 0:00:00.0003847

Result76 StackTrace:

Result76 Message:

Result76 StandardOutput:

Result76 StandardError:

Result77 Name: DescriptionTest

Result77 Outcome: Passed

Result77 Duration: 0:00:00.0006026

Result77 StackTrace:

Result77 Message:

Result77 StandardOutput:

Result77 StandardError:

Result78 Name: DescriptionTestToStringValueReturned

Result78 Outcome: Passed

Result78 Duration: 0:00:00.000124

Result78 StackTrace:

Result78 Message:

Result78 StandardOutput:

Result78 StandardError:

Result79 Name: ErrorIndicationModelTest

Result79 Outcome: Passed

Result79 Duration: 0:00:00.0004017

Result79 StackTrace:

Result79 Message:

Result79 StandardOutput:

Result79 StandardError:

Result80 Name: GetEnumeratorTest

Result80 Outcome: Passed

Result80 Duration: 0:00:00.0003967

Result80 StackTrace:

Result80 Message:

Result80 StandardOutput:

Result80 StandardError:

Result81 Name: GetEnumeratorTest

Result81 Outcome: Passed

Result81 Duration: 0:00:00.0003557

Result81 StackTrace:

Result81 Message:

Result81 StandardOutput:

Result81 StandardError:

Result82 Name: GetEnumeratorTest

Result82 Outcome: Passed

Result82 Duration: 0:00:00.0002829

Result82 StackTrace:

Result82 Message:

Result82 StandardOutput:

Result82 StandardError:

Result83 Name: GetPostLoadedTableRowsTest

Result83 Outcome: Passed
Result83 Duration: 0:00:00.0077844
Result83 StackTrace:
Result83 Message:
Result83 StandardOutput:
Result83 StandardError:

Result84 Name: GetRequestModelTest
Result84 Outcome: Passed
Result84 Duration: 0:00:00.0462186
Result84 StackTrace:
Result84 Message:
Result84 StandardOutput:
Result84 StandardError:

Result85 Name: HeaderModelTest
Result85 Outcome: Passed
Result85 Duration: 0:00:00.0002024
Result85 StackTrace:
Result85 Message:
Result85 StandardOutput:
Result85 StandardError:

Result86 Name: HeaderModelTest1
Result86 Outcome: Passed
Result86 Duration: 0:00:00.0002056
Result86 StackTrace:
Result86 Message:
Result86 StandardOutput:

Result86 StandardError:

Result87 Name:HtmlElementModelTest

Result87 Outcome: Passed

Result87 Duration: 0:00:00.0001574

Result87 StackTrace:

Result87 Message:

Result87 StandardOutput:

Result87 StandardError:

Result88 Name:IndexOfTest

Result88 Outcome: Passed

Result88 Duration: 0:00:00.0005304

Result88 StackTrace:

Result88 Message:

Result88 StandardOutput:

Result88 StandardError:

Result89 Name:IndexOfTest

Result89 Outcome: Passed

Result89 Duration: 0:00:00.0003332

Result89 StackTrace:

Result89 Message:

Result89 StandardOutput:

Result89 StandardError:

Result90 Name:IndexOfTest

Result90 Outcome: Passed

Result90 Duration: 0:00:00.0003598

Result90 StackTrace:

Result90 Message:

Result90 StandardOutput:

Result90 StandardError:

Result91 Name: InsertTest

Result91 Outcome: Passed

Result91 Duration: 0:00:00.0004888

Result91 StackTrace:

Result91 Message:

Result91 StandardOutput:

Result91 StandardError:

Result92 Name: InsertTest

Result92 Outcome: Passed

Result92 Duration: 0:00:00.0003423

Result92 StackTrace:

Result92 Message:

Result92 StandardOutput:

Result92 StandardError:

Result93 Name: InsertTest

Result93 Outcome: Passed

Result93 Duration: 0:00:00.0003797

Result93 StackTrace:

Result93 Message:

Result93 StandardOutput:

Result93 StandardError:

Result94 Name: JSONResultModelTest
Result94 Outcome: Passed
Result94 Duration: 0:00:00.0003112
Result94 StackTrace:
Result94 Message:
Result94 StandardOutput:
Result94 StandardError:

Result95 Name: JSONResultModelTest1
Result95 Outcome: Passed
Result95 Duration: 0:00:00.0002943
Result95 StackTrace:
Result95 Message:
Result95 StandardOutput:
Result95 StandardError:

Result96 Name: JSONResultModelTest2
Result96 Outcome: Passed
Result96 Duration: 0:00:00.0002007
Result96 StackTrace:
Result96 Message:
Result96 StandardOutput:
Result96 StandardError:

Result97 Name: JSONResultModelTest3
Result97 Outcome: Passed
Result97 Duration: 0:00:00.0002068
Result97 StackTrace:
Result97 Message:

Result97 StandardOutput:

Result97 StandardError:

Result98 Name:JSONResultModelTest4

Result98 Outcome: Passed

Result98 Duration: 0:00:00.0001951

Result98 StackTrace:

Result98 Message:

Result98 StandardOutput:

Result98 StandardError:

Result99 Name:LinkTest

Result99 Outcome: Passed

Result99 Duration: 0:00:00.0006767

Result99 StackTrace:

Result99 Message:

Result99 StandardOutput:

Result99 StandardError:

Result100 Name: LinkTest1

Result100 Outcome: Passed

Result100 Duration: 0:00:00.0004429

Result100 StackTrace:

Result100 Message:

Result100 StandardOutput:

Result100 StandardError:

Result101 Name: PostLoadDataTableRequestModelTest

Result101 Outcome: Passed

Result101 Duration: 0:00:00.0003033

Result101 StackTrace:

Result101 Message:

Result101 StandardOutput:

Result101 StandardError:

Result102 Name: RemoveAtTest

Result102 Outcome: Passed

Result102 Duration: 0:00:00.000571

Result102 StackTrace:

Result102 Message:

Result102 StandardOutput:

Result102 StandardError:

Result103 Name: RemoveAtTest

Result103 Outcome: Passed

Result103 Duration: 0:00:00.0004455

Result103 StackTrace:

Result103 Message:

Result103 StandardOutput:

Result103 StandardError:

Result104 Name: RemoveAtTest

Result104 Outcome: Passed

Result104 Duration: 0:00:00.000392

Result104 StackTrace:

Result104 Message:

Result104 StandardOutput:

Result104 StandardError:

Result105 Name: RemoveTest
Result105 Outcome: Passed
Result105 Duration: 0:00:00.0005927
Result105 StackTrace:
Result105 Message:
Result105 StandardOutput:
Result105 StandardError:

Result106 Name: RemoveTest
Result106 Outcome: Passed
Result106 Duration: 0:00:00.0005166
Result106 StackTrace:
Result106 Message:
Result106 StandardOutput:
Result106 StandardError:

Result107 Name: RemoveTest
Result107 Outcome: Passed
Result107 Duration: 0:00:00.0004136
Result107 StackTrace:
Result107 Message:
Result107 StandardOutput:
Result107 StandardError:

Result108 Name: RowModelTest
Result108 Outcome: Passed
Result108 Duration: 0:00:00.000215
Result108 StackTrace:

Result108 Message:

Result108 StandardOutput:

Result108 StandardError:

Result109 Name: RowModelTest1

Result109 Outcome: Passed

Result109 Duration: 0:00:00.0002217

Result109 StackTrace:

Result109 Message:

Result109 StandardOutput:

Result109 StandardError:

Result110 Name: RowsTest

Result110 Outcome: Passed

Result110 Duration: 0:00:00.00133

Result110 StackTrace:

Result110 Message:

Result110 StandardOutput:

Result110 StandardError:

Result111 Name: RowTest

Result111 Outcome: Passed

Result111 Duration: 0:00:00.0002097

Result111 StackTrace:

Result111 Message:

Result111 StandardOutput:

Result111 StandardError:

Result112 Name: SetErrorMessageAndDisplayMessageTest

Result112 Outcome: Passed
Result112 Duration: 0:00:00.0001834
Result112 StackTrace:
Result112 Message:
Result112 StandardOutput:
Result112 StandardError:

Result113 Name: SetErrorMessageTest
Result113 Outcome: Passed
Result113 Duration: 0:00:00.0001787
Result113 StackTrace:
Result113 Message:
Result113 StandardOutput:
Result113 StandardError:

Result114 Name: TableModelTest
Result114 Outcome: Passed
Result114 Duration: 0:00:00.0002846
Result114 StackTrace:
Result114 Message:
Result114 StandardOutput:
Result114 StandardError:

Result115 Name: TableModelTest1
Result115 Outcome: Passed
Result115 Duration: 0:00:00.0002577
Result115 StackTrace:
Result115 Message:
Result115 StandardOutput:

Result115 StandardError:

Result116 Name: TableModelTest2

Result116 Outcome: Passed

Result116 Duration: 0:00:00.000906

Result116 StackTrace:

Result116 Message:

Result116 StandardOutput:

Result116 StandardError:

Result117 Name: TableModelTest3

Result117 Outcome: Passed

Result117 Duration: 0:00:00.0007659

Result117 StackTrace:

Result117 Message:

Result117 StandardOutput:

Result117 StandardError:

Result118 Name: TableTest

Result118 Outcome: Passed

Result118 Duration: 0:00:00.0906529

Result118 StackTrace:

Result118 Message:

Result118 StandardOutput:

Result118 StandardError:

Result119 Name: ToEnumTest

Result119 Outcome: Passed

Result119 Duration: 0:00:00.0009964

Result119 StackTrace:

Result119 Message:

Result119 StandardOutput:

Result119 StandardError:

Result120 Name: ToEnumTestDefaultTest

Result120 Outcome: Passed

Result120 Duration: 0:00:00.000095

Result120 StackTrace:

Result120 Message:

Result120 StandardOutput:

Result120 StandardError:

Result121 Name: ValidateRowTest

Result121 Outcome: Passed

Result121 Duration: 0:00:00.0004488

Result121 StackTrace:

Result121 Message:

Result121 StandardOutput:

Result121 StandardError:

11. Overall Results

The MVC Reporting Website Framework has successfully passed technical inspection by independent technical evaluators of varying levels of skill with association to C# MVC, and while many potential enhancements were noted by Richard Waliser; both he and Angela Hall were able to use the NuGet package developed during this project to setup a functional reporting website.

The original vision of this project was ambitious, but the foundational requirements and goals of the framework have been met, tested, and are ready for the final MSE presentation.