**Project 2:**

**Traceability Matrix**

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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision** | **Date** | **Name** | **Comments** |
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1. **Introduction**

This document is a traceability matrix which is used to determine the completeness of the relationship between the requirements and test plan.

1. **Traceability Matrix**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Req. Identifiers** | **Unit Test 1**  **(MSTest)** | **Unit Test 2**  **(MSTest)** | **Unit Test 3**  **(MSTest)** | **IE Integration Test (Sikuli)** | **Chrome Integration Test (Sikuli)** |
| **Test Cases** | 1 | 3 | 1 | 4 | 4 |
| **1** | X |  |  |  |  |
| **2.1** |  | X |  |  |  |
| **2.2** |  | X |  |  |  |
| **2.3** |  | X |  |  |  |
| **3** |  |  | X |  |  |
| **4** |  |  |  | X |  |
| **5** |  |  |  |  | X |

1. **Description of Requirements Identifiers**

*\*Note: Please refer to PRD and Test Plan documents for more details*

***Unit Tests***

1. Verify connection with the database
2. Verify the following check constraints:
   1. If the breed is not null, its string length must be greater than zero
   2. The weight must be non-null, greater than zero and smaller than 500
   3. If the age is not null it must be greater than zero and smaller than 100
3. Verify system protected against injection attacks

***Integration Tests***

1. Verify latest Chrome browser is supported
   1. Open browser
   2. Browse to client’s desired webpage:

<http://localhost:52778/Mode1/WebForm1.aspx>

* 1. Ensure table as well as insert, update and delete options work correctly

1. Verify latest Internet Explorer browser is supported
   1. Open browser
   2. Browse to client’s desired webpage:

<http://localhost:52778/Mode1/WebForm1.aspx>

* 1. Ensure table as well as insert, update and delete options work correctly

MSTest used for Unit Tests. Sikuli used for Integration Tests.