## Test Plan & Log

**Author of test plan & log : Mabamije Emmanuel P2783241**

**Name of tester :Mabamije Emmanuel P2783241**

**Date of testing :7th June,2024.**

**Description of Item to Be Tested:**

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| --- |
| DateAdded. This value contains the date on which the record is added to the database. The value may not be less than or greater than today's date. It must be set to a value and may not be blank. |

**Required Field Y /**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | Today’s date less 100 years | Fail | Fail |
| Min -1 | Yesterday’s date | Fail | Fail |
| Min (Boundary) | Today’s date | Pass | Pass |
| Min +1 | Tommorrow’s date | Fail | Fail |
| Max -1 | NA(Same as min less 1) | Fail | Fail |
| Max (Boundary) | NA(Same as min) | Fail | Fail |
| Max +1 | NA(Same as min + 1) | Fail | Fail |
| Mid | NA(The date must be today) | Fail | Fail |
| Extreme Max | Today’s date pluss 100 years | Fail | Fail |
| Invalid data type | Any non-date data | Fail | Fail |
| Other tests | NA |  |  |
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**Additional Notes / Instructions:**

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**Description of Item to Be Tested:**

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| Town: required field, string datatype, max length 50 characters |

**Required Field Y /**

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| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | NA |  |  |
| Min -1 | Blank | Fail | Fail |
| Min (Boundary) | 1 character | Pass | Pass |
| Min +1 | 2 characters | Pass | Pass |
| Max -1 | 49 characters | Pass | Pass |
| Max (Boundary) | 50 characters | Pass | Pass |
| Max +1 | 51 characters | Fail | Fail |
| Mid | 25 characters | Pass | Pass |
| Extreme Max | 500 characters | Fail | Fail |
| Invalid data type | NA |  |  |
| Other tests | NA |  |  |
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**Additional Notes / Instructions:**

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**Description of Item to Be Tested:**

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| Order Status |

**Required Field Y /**

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| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | “” | Fail | Fail |
| Min -1 | “a”-1 | Pass | Pass |
| Min (Boundary) | “a” | Pass | Pass |
| Min +1 | “aa” | Pass | Pass |
| Max -1 | “a”\*49 | Pass | Pass |
| Max (Boundary) | “a”\*50 | Pass | Pass |
| Max +1 | “a”\*51 | Fail | Fail |
| Mid | “a”\*25 | Pass | Pass |
| Extreme Max | “a”\*1000 | Fail | Fail |
| Invalid data type | 12 | Fail | Fail |
| Other tests |  |  |  |
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**Additional Notes / Instructions:**

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| Ensures the OrderStatus field is tested with both typical and boundary values.This includes testing for strings at the max allowed length.Invalid datatypes like integers have been tested to confirm the system handles the case |

**Description of Item to Be Tested:**

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| ActivePropertyOK |

**Required Field Y /**

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| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | “” | Fail | Fail |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| Valid True | “True” | Pass | Pass |
|  |  |  |  |
| Valid False | “False” | Pass | Pass |
|  |  |  |  |
|  |  |  |  |
| Invalid Data | “Yes” | Fail | Fail |
|  |  |  |  |
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**Additional Notes / Instructions:**

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| The test should be done multiple times with both boolean values and invalid strings. To confirm the system does not make any error and maintains data integrity |

**Description of Item to Be Tested:**

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| UsernameProperty |

**Required Field Y /**

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| --- | --- | --- | --- |
| **Test Type** | **Test Data** | **Expected Result** | **Actual Result** |
| Extreme Min | “” | Fail | Fail |
| Min -1 | “a”-1 | Pass | Pass |
| Min (Boundary) | “a” | Pass | Pass |
| Min +1 | “aa” | Pass | Pass |
| Max -1 | “a”\*49 | Pass | Pass |
| Max (Boundary) | “a”\*50 | Pass | Pass |
| Max +1 | “a”\*51 | Pass | Pass |
| Mid | “a”\*25 | Pass | Pass |
| Extreme Max | “a”\*1000 | Pass | Pass |
| Invalid data type | “!@#” | Fail | Fail |
| Other tests |  |  |  |
|  |  |  |  |
|  |  |  |  |

**Additional Notes / Instructions:**

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| The username Field is very important both maximum and minimum length requirement are met. Boundary testing is extremely crucial to verify the system handles the smallest username and longest username correctly. |