**Test item: FirstName parameter of Valid method of clsCustomer**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: LastName parameter of Valid method of clsCustomer**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: EmailAddress parameter of Valid method of clsCustomer**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: Age parameter of Valid method of clsCustomer**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 integers | Fail |  |
| Min (boundary) | 2 integers | Pass |  |
| Min +1 | 3 integers | Fail |  |
| Max -1 | 2 integers | Fail |  |
| Max (boundary) | 2 integers | Fail |  |
| Max +1 | 3 integers | Fail |  |
| Mid | 1 integer | Fail |  |
| Extreme max | 500 integers | Fail |  |

**Test item: HouseFlatNo parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: StreetName parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: PostCode parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 9 characters | Pass |  |
| Max (boundary) | 10 characters | Pass |  |
| Max +1 | 11 characters | Fail | Fail |
| Mid | 5 characters | Pass |  |
| Extreme max | 500 characters | Fail |  |

**Test item: Town parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 57 characters | Pass |  |
| Max (boundary) | 58 characters | Pass |  |
| Max +1 | 59 characters | Fail |  |
| Mid | 29 characters | Pass |  |
| Extreme max | 500 characters | Fail |  |

**Test item: County parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 25 characters | Pass |  |
| Max (boundary) | 26 characters | Pass |  |
| Max +1 | 27 characters | Fail |  |
| Mid | 13 characters | Pass |  |
| Extreme max | 500 characters | Fail |  |

**Test item: Country parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 48 characters | Pass |  |
| Max +1 | 49 characters | Fail |  |
| Mid | 24 characters | Pass |  |
| Extreme max | 500 characters | Fail |  |

**Test item: CommentContent parameter of Valid method of clsComment**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| Test type | Test data | Result expected | Actual result |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 499 characters | Pass |  |
| Max (boundary) | 500 characters | Pass |  |
| Max +1 | 501 characters | Fail |  |
| Mid | 250 characters | Pass |  |
| Extreme max | 1000 characters | Fail |  |

**Test item: ReviewContent parameter of Valid method of clsReview**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| Test type | Test data | Result expected | Actual result |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 1999 characters | Pass |  |
| Max (boundary) | 2000 characters | Pass |  |
| Max +1 | 2001 characters | Fail |  |
| Mid | 1000 characters | Pass |  |
| Extreme max | 7000 characters | Fail |  |

**Test item: RatingOutOfTen parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | N/A | N/A | N/A |
| Min (boundary) | 0.0 | Pass |  |
| Min +1 | 1.0 | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 10.0 | Pass |  |
| Max +1 | 11.0 | Fail |  |
| Mid | 5.0 | Fail |  |
| Extreme max | 500.00 | Fail |  |

**Test item: ISBN parameter of Valid method of clsBook**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 9 characters | Fail |  |
| Min (boundary) | 10 characters | Pass |  |
| Min +1 | 11 characters | Fail |  |
| Max -1 | 12 characters | Fail |  |
| Max (boundary) | 13 characters | Pass |  |
| Max +1 | 14 characters | Fail |  |
| Mid | 6 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: Name parameter of Valid method of clsBook**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: YearReleased parameter of Valid method of clsBook**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 4 characters | Pass |  |
| Min (boundary) | 4 characters | Pass |  |
| Min +1 | 2 characters | Fail |  |
| Max -1 | 3 characters | Fail |  |
| Max (boundary) | 4 characters | Pass |  |
| Max +1 | 5 characters | Fail |  |
| Mid | 2 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: Pages parameter of Valid method of clsBook**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 4 characters | Pass |  |
| Min (boundary) | 4 characters | Pass |  |
| Min +1 | 2 characters | Fail |  |
| Max -1 | 3 characters | Fail |  |
| Max (boundary) | 4 characters | Pass |  |
| Max +1 | 5 characters | Fail |  |
| Mid | 2 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: Blurb parameter of Valid method of clsBook**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 249 characters | Pass |  |
| Max (boundary) | 250 characters | Pass |  |
| Max +1 | 251 characters | Fail |  |
| Mid | 125 characters | Pass |  |
| Extreme max | 500 characters | Fail |  |

**Test item: FirstName parameter of Valid method of clsAuthor**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: FirstName parameter of Valid method of clsAuthor**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: LastName parameter of Valid method of clsAuthor**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 49 characters | Pass |  |
| Max (boundary) | 50 characters | Pass |  |
| Max +1 | 51 characters | Fail |  |
| Mid | 25 characters | Fail |  |
| Extreme max | 500 characters | Fail |  |

**Test item: StreetName parameter of Valid method of clsAddress**

**Field required: Yes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test type** | **Test data** | **Result expected** | **Actual result** |
| Extreme min | N/A | N/A | N/A |
| Min - 1 | 0 characters | Fail |  |
| Min (boundary) | 1 character | Pass |  |
| Min +1 | 2 characters | Pass |  |
| Max -1 | 19 characters | Pass |  |
| Max (boundary) | 20 characters | Pass |  |
| Max +1 | 21 characters | Fail |  |
| Mid | 10 characters | Pass |  |
| Extreme max | 500 characters | Fail |  |