InputManager – Validation through a Web Service

# Shared Step

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| **№** | **Name** | **Steps** |
| 1 | Edit row data | 1. Navigate to <http://demos.telerik.com/aspnet-ajax/inputmanager/functionality/validation/defaultcs.aspx> 2. Left click on the icon “Edit” (looks like a pencil) |
| 2 | Save changes | 1. Left click on the button “Update” (looks like a confirmation tick) |

Test Cases for Edit Quantity

# Equivalence Partitions

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| **№** | **Title** | **Steps** | **Priority** | **Expected Result** |
| 1 | Edit Any Row and Put Quantity Valid Data | 1. Use shared step “Edit row data” 2. Enter any value lower than “UnitsInStock” and greater than zero in the field “Quantity” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered |
| 2 | Edit Any Row and Put Quantity Invalid Data Greater than UnitsInStock | 1. Use shared step “Edit row data” 2. Enter any value greater than “UnitsInStock” | 1 | A validation message to be shown: “Quantity cannot be null or greater than UnitsInStock” |
| 3 | Edit Any Row and Put Quantity Invalid Data Lower than 0 | 1. Use shared step “Edit row data” 2. Enter any value lower than zero | 1 | A validation message to be shown: “Quantity cannot be negative number” |

# Boundary Values Analysis Mathematical Representation

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| **№** | **Title** | **Steps** | **Priority** | **Expected Result** |
| 1 | Edit any row and put -1 for Quantity value | 1. Use shared step “Edit row data” 2. Enter -1 in the field “Quantity” 3. Use shared step “Save changes” | 1 | A validation message to be shown: “Quantity cannot be negative number” |
| 2 | Edit any row and put 0 for Quantity value | 1. Use shared step “Edit row data” 2. Enter 0 in the field “Quantity” 3. Use shared step “Save changes” | 1 | A validation message to be shown, like “Quantity cannot be zero” |
| 3 | Edit any row and put 1 for Quantity value | 1. Use shared step “Edit row data” 2. Enter 1 in the field “Quantity” 3. Use shared step “Save changes” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered |
| 4 | Edit any row and put the maximal possible value of UNITSINSTOCK - 1 for Quantity value | 1. Use shared step “Edit row data” 2. Enter the maximal possible value of UNITSINSTOCK - 1 in the field “Quantity” 3. Use shared step “Save changes” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered |
| 5 | Edit any row and put the maximal possible value of UNITSINSTOCK for Quantity value | 1. Use shared step “Edit row data” 2. Enter the maximal possible value of UNITSINSTOCK in the field “Quantity” 3. Use shared step “Save changes” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered |
| 6 | Edit any row and put the maximal possible value of UNITSINSTOCK+1 for Quantity value | 1. Use shared step “Edit row data” 2. Enter the maximal possible value of UNITSINSTOCK in the field “Quantity” 3. Use shared step “Save changes” | 1 | A validation message to be shown: “Quantity cannot be null or greater than UnitsInStock” |

# Use Case

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| --- | --- | --- | --- | --- |
| № | Title | Steps | Priority | Expected Result |
| 1 | Edit Any Row and Put Quantity with fraction | 1. Use shared step “Edit row data” 2. Enter any fraction lower than “UnitsInStock” and greater than zero in the field “Quantity | 3 | Edit Form is closed.  Manually typed input data should be shown in the data grid view rounded to integer. |
| 2 | Edit Any Row and Put Quantity with string | 1. Use shared step “Edit row data” 2. Enter any string in the field “Quantity | 3 | A validation message is shown like : “Quantity can be only positive number lower than UnitsInStock” |

Test Cases for Edit Discount

# Equivalence Partitions

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| **№** | **Title** | **Steps** | **Priority** | **Expected Result** |
| 1 | Edit Discount with Valid Data | 1. Use shared step “Edit row data” 2. Enter any decimal value [0,1] in the field “Discount” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered |
| 2 | Edit Discount with Invalid Data Greater than 1 | 1. Use shared step “Edit row data” 2. Enter any negative number in the field “Discount” [ 7 ] for example | 1 | A validation message is shown like: “Discount can be only a number between 0 and 1” |
| 3 | Edit Discount Invalid Data Lower than 0 | 1. Use shared step “Edit row data” 2. Enter any value lower than zero in the field “Discount” [ -22 ] for example | 1 | A validation message to be shown: “Discount can be only a number between 0 and 1” |

# Boundary Values Analysis Mathematical Representation

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| --- | --- | --- | --- | --- |
| **№** | **Title** | **Steps** | **Priority** | **Expected Result** |
| 1 | Edit any row and put -0,01 for Discount value | 1. Use shared step “Edit row data” 2. Enter[ -1] in the field “Discount” 3. Use shared step “Save changes” | 1 | A validation message to be shown: “Discount can be only a number between 0 and 1” |
| 2 | Edit any row and put 0 for Discount value | 1. Use shared step “Edit row data” 2. Enter [0] in the field “Discount” 3. Use shared step “Save changes” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered. |
| 3 | Edit any row and put 0,01 for Discount value | 1. Use shared step “Edit row data” 2. Enter [1]in the field “Discount” 3. Use shared step “Save changes” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered. |
| 4 | Edit any row and put 0,99 for Discount value | 1. Use shared step “Edit row data” 2. Enter[ 0,99 ] in the field Discount 3. Use shared step “Save changes” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered. |
| 5 | Edit any row and put 1 for Discount value | 1. Use shared step “Edit row data” 2. Enter [1] in the field “Discount” 3. Use shared step “Save changes” | 1 | Edit view window disappears. Manually typed input data should be shown in the data grid view exactly as entered |
| 6 | Edit any row and put the 1,01 for Discount value | 1. Use shared step “Edit row data” 2. Enter [1.01] in the field “Discount” 3. Use shared step “Save changes” | 1 | A validation message to be shown “Discount can be only a number between 0 and 1” |

# Use Case

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| --- | --- | --- | --- | --- |
| № | Title | Steps | Priority | Expected Result |
| 1 | Edit Any Row and Put Discount with string | 1. Use shared step “Edit row data” 2. Enter any string in the field “Discount” 3. Use shared step “Save changes” | 3 | A validation message is shown like : “Discount can be only a number between 0 and 1” |