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| --- | --- | --- | --- |
| Test Scenario ID | Add A Project-1 | Test Case ID | Add A Project 1A |
| Test Case Description | Add A Project – Positive | Test Priority | High |
| Pre-Requisite | None | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Open project manager | N/A | Project Manager Homepage | Project Manager Homepage |
| 2 | Select “Add Project” | Click “Add Project” | Add Project View | Add Project View |
| 3 | Enter All Project Fields: Any input in all fields | Project Name: \*\*\*  Project Description: \*\*\*  Owner: \*\*\* | “Add Project” Button Enabled and Project ID | “Add Project” Button Enabled and Project ID |

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| Test Scenario ID | Add A Project-1 | Test Case ID | Add A Project 1B |
| Test Case Description | Add A Project – Negative | Test Priority | High |
| Pre-Requisite | None | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Open project manager | N/A | Project Manager Homepage | Project Manager Homepage |
| 2 | Select “Add Project” | Click “Add Project” | Add Project View | Add Project View |
| 3 | Leave all fields empty | Project Name: Empty  Project Description: Empty  Owner: Empty | None | None |
| 4 | Enter any input into “Project Description” and “Owner” Fields, leave project name field empty | Project Name: \*\*\*  Project Description: Empty  Owner: Empty | None | None |

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| --- | --- | --- | --- |
| Test Scenario ID | Add A Project-2 | Test Case ID | Add A Project 2A |
| Test Case Description | Add A Project Disabled Fields - Positive | Test Priority | High |
| Pre-Requisite | Add A Project-1 Pass | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Add Project Button” | Left Click “Add Project” Button | Disabled project input fields displayed | Disabled project input fields displayed |
| 2 | Select any input in all fields and functional requirement type | Member Name: Any  Risk: Any  Risk Status: Any  Requirement: Any:  Requirement Type: Functional | “Add Member” button enabled, “ Add Risk” button enabled, “Add Requirement” button enabled | “Add Member” button enabled, “ Add Risk” button enabled, “Add Requirement” button enabled |
| 3 | Select any input in all fields and non-functional requirement type | Member Name: Any  Risk: Any  Risk Status: Any  Requirement: Any:  Requirement Type: Non-Functional | “Add Member” button enabled, “ Add Risk” button enabled, “Add Requirement” button enabled | “Add Member” button enabled, “ Add Risk” button enabled, “Add Requirement” button enabled |
| 4 | Click the now enabled buttons and functional requirement type | Click “Add Member”, “Add Risk”, and “Add Requirement” button, with functional requirement type selected | “Member Name”, “Risk Status”, “Risk”, and “Requirement” fields clear | “Member Name”, “Risk Status”, “Risk”, and “Requirement” fields clear |
| 5 | Click the now enabled buttons and non-functional requirement type | Click “Add Member”, “Add Risk”, and “Add Requirement” button, with non-functional requirement type selected | “Member Name”, “Risk Status”, “Risk”, and “Requirement” fields clear | “Member Name”, “Risk Status”, “Risk”, and “Requirement” fields clear |

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| --- | --- | --- | --- |
| Test Scenario ID | Add A Project-2 | Test Case ID | Add A Project 2B |
| Test Case Description | Add A Project Disabled Fields - Negative | Test Priority | High |
| Pre-Requisite | Add A Project-1 Pass | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Add Project Button” | Left Click “Add Project” Button | Disabled project input fields displayed | Disabled project input fields displayed |
| 2 | Select no entry for all of the enabled fields, and leave requirement type in default | Member Name: None  Risk: None  Risk Status: None  Requirement: None  Requirement Type: Default | “Add Member”, “Add Risk”, and “Add Requirement” buttons remain disabled | “Add Member”, “Add Risk”, and “Add Requirement” buttons remain disabled |

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| Test Scenario ID | Modify Project-1 | Test Case ID | Modify Project-1A |
| Test Case Description | Modify Project Update Fields - Positive | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select “Project Name” from dropdown | Project Name: Any | Project Description and Owner fields auto-populate | Project Description and Owner fields auto-populate |
| 3 | Change “Owner” field contents to anything but current contents, and add any number of characters in “Project Description” field | Project Description: Current contents + \*\*\*  Owner: Any other than current | “Update” button enabled | “Update” button enabled |
| 4 | Update project fields | Left click “Update” button | Project Description: new description  Owner: new owner | Project Description: new description  Owner: new owner |

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| Test Scenario ID | Modify Project-1 | Test Case ID | Modify Project-1B |
| Test Case Description | Modify Project Update Fields - Negative | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select “Project Name” from dropdown | Project Name: Any | Project Description and Owner fields auto-populate | Project Description and Owner fields auto-populate |
| 3 | Leave project fields contents the same as auto populated, and select update | Project Description: Auto Populated Contents  Owner: Auto Populate Contents | none | none |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-2 | Test Case ID | Modify Project-2A |
| Test Case Description | Modify Project Member Add Positive | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select any project name from “Project Name” dropdown | Project Name: Any | Project Description and Owner fields auto-populate | Project Description and Owner fields auto-populate |
| 3 | Input any new name into “Member Name” field | Member: Any non-existing name | “Add” button enabled | “Add” button enabled |
| 4 | Add member | Left click “Add” button | New name in “Member Name” dropdown list | New name in “Member Name” dropdown list |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-2 | Test Case ID | Modify Project-2B |
| Test Case Description | Modify Project Member Remove Positive | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select “Project Name” from dropdown | Project Name: Any | Project Description and Owner fields auto-populate | Project Description and Owner fields auto-populate |
| 3 | Select any member from “Member Name” dropdown | Member: Any | “Remove” button enabled | “Remove” button enabled |
| 4 | Remove member | Left click “Remove” button | Removed member name no longer dropdown option | Removed member name no longer dropdown option |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-2 | Test Case ID | Modify Project-2C |
| Test Case Description | Modify Project Member Add/Remove Negative | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Leave “Member Name” field empty | Member Name: Empty | none | none |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-3 | Test Case ID | Modify Project-3A |
| Test Case Description | Modify Project Member Change Risk Status Positive | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select any project name from “Project Name” dropdown list | Project Name: Any | Project Description and Owner auto populate | Project Description and Owner auto populate |
| 3 | Enter any new risk | Risk: Any | “Add” Risk Button enabled | “Add” Risk Button enabled |
| 4 | Select risk status for new risk | Risk Status: Any new status | None | None |
| 5 | Change risk status | Left click “Change Risk Status” button | Risk status in “Risk Status” field updated to new risk status | Risk status in “Risk Status” field updated to new risk status |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-3 | Test Case ID | Modify Project-3B |
| Test Case Description | Modify Project Member Add Risk - Positive | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select any project name from “Project Name” dropdown list | Project Name: Any | Project Description and Owner auto populate | Project Description and Owner auto populate |
| 3 | Enter any new risk in “Risk Status” field | Risk: Any new Risk | none | none |
| 4 | Select any risk status from “Risk Status” dropdown list | Risk Status: Any | “Add Risk” button enabled | “Add Risk” button enabled |
| 5 | Change risk status | Left click “Change Risk Status” button | New risk added to “Risk” drop down list, and risk status updated | New risk added to “Risk” drop down list, and risk status updated |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-3 | Test Case ID | Modify Project-3C |
| Test Case Description | Modify Project Member Risk - Negative | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select any project name from “Project Name” dropdown list | Project Name: Any | Project Description and Owner auto populate | Project Description and Owner auto populate |
| 3 | Select any risk from “Risk” drop down, and leave “Risk Status” drop down unchanged and click “Add” | Risk: Any  Risk Stats: Current Risk Status | none | none |
| 4 | Leave “Risk” field drop down empty, and select any risk status from “Risk Status” dropdown | Risk: Empty  Risk Status: Any | none | none |
| 5 | Leave “Risk” field empty and leave “Risk Status” field empty | Risk: Empty  Risk Status: Empty | none | none |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-4 | Test Case ID | Modify Project-4A |
| Test Case Description | Modify Project Change Requirement Type- Positive | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select any project name from “Project Name” dropdown list | Project Name: Any | Project Description and Owner auto populate | Project Description and Owner auto populate |
| 3 | Enter and add any new requirement with requirement type any | Requirement: Any  Requirement Type: Any | New requirement added to requirement drop down list | New requirement added to requirement drop down list |
| 4 | Select newly added requirement from dropdown list | Requirement: Previously added requirement | “Change” button enabled | “Change” button enabled |
| 5 | Change Requirement Type | Requirement Type: Opposite of current type | “Change” button enabled | “Change” button enabled |
| 6 | Click change requirement button | Requirement Type: Opposite of Current | Requirement type updated | Requirement type updated |
| 7 | Select same requirement as before from “Requirement” drop down list | Requirement: Same as previous | “Change” button enabled | “Change” button enabled |
| 8 | Select the original requirement type | Requirement Type: Original requirement type | “Change Requirement Type” button enabled | “Change Requirement Type” button enabled |
| 9 | Change Requirement Type | Left click “Change Requirement Type” button | Requirement Type: original requirement type | Requirement Type: original requirement type |

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| --- | --- | --- | --- |
| Test Scenario ID | Modify Project-4 | Test Case ID | Modify Project-4B |
| Test Case Description | Modify Project Requirement Negative | Test Priority | High |
| Pre-Requisite | Project must already be created | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Select “Modify Project” | Left Click “Modify Project” Button | Modify Project view appears | Modify Project view appears |
| 2 | Select any project name from “Project Name” dropdown list | Project Name: Any | Project Description and Owner auto populate | Project Description and Owner auto populate |
| 3 | Enter any new requirement into “Requirement” field, but leave “Requirement Type” unselected | Requirement: Any  Requirement Type: Unselected | “Change” button enabled | “Change” button enabled |
| 4 | Leave requirement drop down field empty and select and requirement type | Requirement: Empty  Requirement Type: Any | None | None |

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| --- | --- | --- | --- |
| Test Scenario ID | Add Time-1 | Test Case ID | Add Time-1A |
| Test Case Description | Add Time-Positive | Test Priority | High |
| Pre-Requisite | Project must already be created, member must already be added to project | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Open project manager | Left Click Project Manager Executable | Project Manager Homepage | Project Manager Homepage |
| 2 | Navigate to the add time screen | Left click “Add Time” | Add Time view appears | Add Time view appears |
| 3 | Select a input from the three dropdown lists | Select a Project: Any  Select a Member:  Any  Select a Phase:  Any | The three fields populate with the selected input from the dropdown list | The three fields populate with the selected input from the dropdown list |
| 4 | Select a date using date picker | Date: Any | Date field updated | Date field updated |
| 5 | Enter any positive number in the “Hours” input field | Hours: ℤ+ | None | None |
| 6 | Select “Add Hours” button | Left click “Add Hours” button | Hours field cleared and hours updated | Hours field cleared and hours updated |

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| --- | --- | --- | --- |
| Test Scenario ID | Add Time-1 | Test Case ID | Add Time-1B |
| Test Case Description | Add Time-Negative | Test Priority | High |
| Pre-Requisite | Project must already be created, member must already be added to project | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Open project manager | Left Click Project Manager Executable | Project Manager Homepage | Project Manager Homepage |
| 2 | Navigate to the add time screen | Left click “Add Time” | Add Time view appears | Add Time view appears |
| 3 | Select any for all fields, but enter no input in “Hours” field | Select a Project: Any  Select a Phase: Any  Select a Member:  Any  Date: Any  Hours: Empty | None | None |
| 4 | Leave all drop down fields empty, and enter any positive number in “Hours” field | Select a Project: Empty  Select a Phase: Empty  Select a Member: Empty  Date: Empty  Hours: ℤ+ | None | None |
| 5 | Select any input from all three drop down fields, select any date, and enter any number less than or equal to zero in “Hours” field | Select a Project: Any  Select a Phase: Any  Select a Member:  Any  Date: Any  Hours: Any # <= 0 | Negative sign automatically deleted | Negative sign automatically deleted |

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| --- | --- | --- | --- |
| Test Scenario ID | View Time-1 | Test Case ID | View Time-1A |
| Test Case Description | View Time Categorized-Positive | Test Priority | High |
| Pre-Requisite | Project must already be created, member must already be added to project, time must already be added to project, member, and phase | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Open project manager | Left Click Project Manager Executable | Project Manager Homepage | Project Manager Homepage |
| 2 | Navigate to the View Time screen | Left click “View Time” | View Time view appears | View Time view appears |
| 3 | Select member, phase, and date | Member, phase, and date radio buttons selected | None | None |
| 4 | Select any project from dropdown list | Dropdown list: Any | Dropdown list populated with select project name, and all hours for project displayed for all categories | Dropdown list populated with select project name, and all hours for project displayed for all categories |

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| --- | --- | --- | --- |
| Test Scenario ID | View Time-1 | Test Case ID | View Time-1B |
| Test Case Description | View Time Total-Positive | Test Priority | High |
| Pre-Requisite | Project must already be created, member must already be added to project, time must already be added to project, member, and phase | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Open project manager | Left Click Project Manager Executable | Project Manager Homepage | Project Manager Homepage |
| 2 | Navigate to the View Time screen | Left click “View Time” | View Time view appears | View Time view appears |
| 3 | Leave all fields un-checked | Member, phase, and date un-selected | none | none |
| 4 | Select project from dropdown list | Dropdown: any | Total hours for project displayed | Total hours for project displayed |

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| --- | --- | --- | --- |
| Test Scenario ID | View Time-1 | Test Case ID | View Time-1C |
| Test Case Description | View Time - Negative | Test Priority | High |
| Pre-Requisite | Project must already be created, member must already be added to project, time must already be added to project, member, and phase | Post-Requisite | None |
| Test Execution Steps: | | | |  |
| Step Number | Action | Inputs | Expected Output | Actual Output |
| 1 | Open project manager | Left Click Project Manager Executable | Project Manager Homepage | Project Manager Homepage |
| 2 | Navigate to the View Time screen | Left click “View Time” | View Time view appears | View Time view appears |
| 3 | Check all field | Member, phase, and date checked | none | none |
| 4 | Leave project drop down empty | Dropdown: Empty | none | none |