User/System Test Plans and Results

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| # | Test | Expected Result | As Expected (Y/N) |
| 1 | View dashboard | | |
| Run the web application | User should be displayed the dispatcher dashboard.  This includes: Side bar menu  Upper Filter to filter the Work Order List and Schedule Gantt Chart  Work Order List  Schedule Gantt Chart |  |

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| # | Test | Expected Result | As Expected (Y/N) |
| 2 | Filter Gantt Date Range and Display Options. | | |
| Run the web application | User should be displayed the dispatcher dashboard. |  |
| Change the Upper Filter’s dispatch area, start time, and end time. | Dashboard is refreshed.  Work Order List has been filtered to display Work Orders in the selected Work Area that has desired start and end times within the filtered start time and end time.  Gantt Chart has been filtered to display only the time between the filtered start time and end time. |  |

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| # | Test | Expected Result | As Expected (Y/N) |
| 3 | Add, View, Update, and Cancel a Work Order | | |
| Run the web application | User should be displayed the dispatcher dashboard if the dispatcher has previously logged in once/has a work area id saved in the database. |  |
| On the left sidebar, click Add Work Order | User is displayed a modal with a form to create a work order |  |
| Fill in Work Order details  Ensure the Earliest and Max Start Date and Time are within the Upper Filter  Click Create | Dashboard is refreshed, form to create a work order has been remove |  |
| Scroll or use pagination under the Work Order List to view the newly added Work Order. | User should be able to view the newly created Work Order in the Work Order List. |  |
| Click the newly created Work Order | User is displayed the entered Work Order details along with Recommendations and Notes. |  |
| Click Update button | User should be displayed a form to be able to update the selected Work Order |  |
| Update some of the fields  Click Submit | Dashboard is refreshed, form to update a work order has been removed.  If Work Area was updated, ensure to update Upper Filter to view the new area. |  |
| Click the Work Order in the Work Order List again | User is displayed the entered Work Order details along with Recommendations and Notes. Fields should be updated with changes. |  |
| Click Cancel | Prompt to confirm Cancelation of Work Order is displayed |  |
| Click No | Dashboard is refreshed, cancel confirmation has been removed. The Work Order is still visible in the Work Order List with the status of WSCHED |  |
| Click the Work Order in the Work Order List again | User is displayed the entered Work Order details along with Recommendations and Notes. |  |
| Click Cancel | Prompt to confirm Cancelation of Work Order is displayed |  |
| Click Yes | Dashboard is refreshed, cancel confirmation has been removed. The Work Order is visible in the Work Order List with the status of CANCELLED |  |

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| # | Test | Expected Result | As Expected (Y/N) |
| 4 | Add Notes to a Work Order | | |
| Run the web application | User should be displayed the dispatcher dashboard if the dispatcher has previously logged in once/has a work area id saved in the database. |  |
| Click a Work Order in the Work Order List | User is displayed the selected Work Order details along with Recommendations and Notes. |  |
| Click Add Notes button | User is displayed a modal to add a note to the Work Order |  |
| Enter a Note and click Close | Entered Note doesn’t display in Notes display |  |
| Click Add Notes button | User is displayed a modal to add a note to the Work Order |  |
| Enter a Note and click Apply | Dashboard is refreshed. |  |
| Click Work Order again | User is displayed the selected Work Order details along with Recommendations and Notes.  Newly entered note has been added to notes list |  |

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| # | Test | Expected Result | As Expected (Y/N) |
| 5 | Add and Remove Work Order from Gantt | | |
| Run the web application | User should be displayed the dispatcher dashboard if the dispatcher has previously logged in once/has a work area id saved in the database. |  |
| Click a Work Order in the Work Order List | User is displayed the selected Work Order details along with Recommendations and Notes. |  |
| Drag and drop selected Work Order onto a white row in Schedule Gantt Chart | User is able to drag a Work Order  When dropped on a white row, nothing occurs. |  |
| Drag and drop selected Work Order onto a highlighted row in Schedule Gantt Chart | User is able to drag a Work Order  When dropped on a highlighted row, a block for the Work Order should appear on the Schedule Gantt Chart. |  |
| Hover mouse over newly placed Schedule Work Order on Schedule Gantt Chart | Work Order details are displayed |  |
| Move mouse to Cancel on the hover | Hyperlink should appear to cancel the block |  |
| Click the Cancel link | The scheduled Work Order has been removed from the Schedule Gantt Chart |  |

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| # | Test | Expected Result | As Expected (Y/N) |
| 6 | Add and Dispatch a Work Order on Gantt | | |
| Run the web application | User should be displayed the dispatcher dashboard if the dispatcher has previously logged in once/has a work area id saved in the database. |  |
| Click a Work Order in the Work Order List  Ensure the Status of the Work Order is WSCHED | User is displayed the selected Work Order details along with Recommendations and Notes. |  |
| Drag and drop selected Work Order onto a highlighted row in Schedule Gantt Chart | User is able to drag a Work Order  When dropped on a highlighted row, a block for the Work Order should appear on the Schedule Gantt Chart. |  |
| Continue to Drag and drop the Work Order onto the Gantt Chart to fulfill Technician and Resource quantity conditions  These numbers are viewable in the Work Order List | User should have one or more Work Order tasks on the Schedule Gantt Chart |  |
| Click Dispatch | If all requirements are fulfilled, System will dispatch the scheduled Work Order |  |

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| # | Test | Expected Result | As Expected (Y/N) |
| 7 | Search Work Orders | | |
| Run the web application | User should be displayed the dispatcher dashboard if the dispatcher has previously logged in once/has a work area id saved in the database. |  |
| On the left sidebar, click the magnifying glass beside Advanced Search | User is a modal with search options |  |
| Enter search criteria  i.e. Id: 1  Ensure estimated\_time\_minutes is empty  Click Close | Advanced Search is closed, the dashboard remains the same. |  |
| Click the magnifying glass beside Advanced Search again | User is a modal with search options |  |
| Enter search criteria  i.e. Id: 1  Ensure  estimated\_time\_minutes is empty  Click Apply | Advanced Search is closed, the Work Order List on the dashboard is updated based on search criteria |  |