Justin Ying

**CTC VERSION 4.0: TEST PLAN RESULTS**

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| Test | Dispatcher loads the home page, localhost:8000/static/index.html |
| Expected Result | The initial page displays the track status |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | On the Track Status page, dispatcher clicks on a block of track in the table |
| Expected Result | Associated block information is displayed in the sidebar. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | On the track status sidebar, the dispatcher changes the maintenance status. |
| Expected Result | A message is sent to the track controller with the new maintenance status, and the maintenance status persists on any reselection of the track. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | On the Track Status page, the dispatcher enters a term in the search bar. |
| Expected Result | The table of tracks on the Track Status page is filtered by the dispatcher’s search term. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | From any page, the dispatcher clicks the Crossings and Switches page. |
| Expected Result | Crossings and switches data is displayed on the page. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | From any page, the dispatcher clicks the Trains and Scheduling page |
| Expected Result | Trains and scheduling tools are displayed on the page. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| --- | --- |
| Test | From any page, the dispatcher clicks the Track Status page. |
| Expected Result | Track status information is displayed on the page. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The track controller sends a crossings update message to the CTC. This is simulated using the MessageTester class. |
| Expected Result | The crossings and switches page displays the new crossing position. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| --- | --- |
| Test | The track controller sends a switches update message to the CTC. This is simulated using the MessageTester class. |
| Expected Result | The crossings and switches page displays the new switch connection. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks on the “add train” on the Trains and Scheduling page. |
| Expected Result | A train is added to the trains data table. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks on a train in the trains data table. |
| Expected Result | Information about the train, train options, and scheduling options are displayed in the sidebar. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The user updates the train name, suggested speed, or authority in the train information sidebar and presses enter. |
| Expected Result | The new information is shown in the trains data table. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher enters line, stop, arrival, and dwell information, then clicks “add stop” under “schedule a stop” in the trains information sidebar. |
| Expected Result | A stop is added to the stops list with the specified information. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher selects a train from the trains data table and then clicks delete on the trains information sidebar. |
| Expected Result | The selected train is removed from the trains data table. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks close on the trains information sidebar. |
| Expected Result | The trains information is closed, the train is de-selected, and changes are saved. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks “import schedule” on the Trains and Scheduling page. |
| Expected Result | The import schedule modal is shown. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | On the import schedule modal, the dispatcher enters a JSON schedule of the right format and clicks import on the bottom of the modal. |
| Expected Result | The trains data table is updated with the imported schedule. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks the “export schedule” button on the Trains and Scheduling page. |
| Expected Result | The export schedule modal is shown with a JSON representation of the current schedule. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks the “execute schedule” button on the Trains and Scheduling page. |
| Expected Result | The execute schedule modal is shown with start time and time rate modifier options. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks the “execute schedule” button on the execute schedule modal. |
| Expected Result | The system starts executing at the specified rate and time, and a message is sent to all modules with the time rate modifier. Play and pause buttons appear next to the “current time” text on the navigation bar. The “delete train” button in the train information sidebar is grayed out. For each train, messages are sent to the track controller with path, dwell, speed, and authority information. |
| Actual Result | Same as expected result |
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| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher updates the time rate modifier in the execute schedule modal while the schedule is executing. |
| Expected Result | The system continues execution with the new specified time rate. A message is sent to all modules with the time rate modifier. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks the “current time” button. |
| Expected Result | The execute schedule modal is shown. |
| Actual Result | Same as expected result |
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| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks the pause button next to “current time.” |
| Expected Result | System time and execution is paused. A message is sent to all modules with the time rate modifier. |
| Actual Result | Same as expected result |
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| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks the play button next to “current time.” |
| Expected Result | System time and execution is resumed. A message is sent to all modules with the time rate modifier. |
| Actual Result | Same as expected result |
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| Date | 4/22/15 |
| Notes |  |

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| Test | The dispatcher clicks the “Metrics” button on the navigation bar. |
| Expected Result | A modal with throughput metrics for each station is shown. |
| Actual Result | Same as expected result |
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| Date | 4/22/15 |
| Notes |  |

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| --- | --- |
| Test | The track controller sends a train location message to the CTC. This is simulated using the MessageTester class. |
| Expected Result | The track occupancy is updated on the Track Status page. The train location is updated on the trains data table on the Trains and Scheduling page. If the location is a destination for that train, the next destination is updated. If the location is a station, the throughput for that station is updated in the Throughput modal. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| --- | --- |
| Test | The track controller sends a track status message to the CTC. This is simulated using the MessageTester class. |
| Expected Result | The track status is updated on the track data table. This information is also updated in the track information sidebar if it is open. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |
| Notes |  |

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| --- | --- |
| Test | The track controller sends a track heater message to the CTC. This is simulated using the MessageTester class. |
| Expected Result | The track heater status is updated in the track information sidebar, if the sidebar is open. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |

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| --- | --- |
| Test | The track controller sends a track lights message to the CTC. This is simulated using the MessageTester class. |
| Expected Result | The track lights status is updated in the track information sidebar, if the sidebar is open. |
| Actual Result | Same as expected result |
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| Date | 4/22/15 |

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| Test | The track controller sends a message of the wrong format. |
| Expected Result | The CTC console prints out the message and an error to the console. The client does not act on the malformed message. |
| Actual Result | Same as expected result |
| Tester | Justin Ying |
| Date | 4/22/15 |