UI Tests:

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| # | Artifact Tested | Pre-Conditions | Test Steps | Expected Results | Passed? |
| 1 | Server UI | Database is loaded  IP Address or Port fields are not empty | Click on “Start Server” button | The server starts up | Yes |
| 2 | Server UI | Server is running | Click on “Stop Server” button | Stops the running server | Yes |
| 3 | Server UI | Database field is not empty | Click on “load initial data” button | Opens file explorer to choose JSON file | Yes |
| 5 | Server UI | Any state | Click on “Exit” | close the server GUI | Yes |
| 6 | Server UI | Server is running | Click on “Start Server” button | Throws exception | Yes |
| 7 | Server UI | Database name field is empty | Click on “load initial data” button | Does not let the user choose a file | Yes |
| 8 | Server UI | IP Address or Port fields are empty | Click on “Start Server” | Shows “IP address or port number is empty!” message | Yes |
| 9 | Server UI | Database is not loaded and server is not running | Click on “sync” | Shows “you need to load database and start server first!” message | Yes |
| 10 | Server UI | Server is running | Click on “Load servers to sync” | Opens file Explorer to choose IP addresses and ports file | Yes |
| 11 | Server UI | Server is running  Servers file chosen | Click on “sync” | Shows the servers sending sync messages to each other | Yes |

Integration Tests:

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| 11 | Server | Vehicle ID is valid | 1. Receives Vehicle ID 2. Verify that vehicle ID exists | Server sends response to customer app that vehicle ID exists | Yes |
| 12 | Server | Vehicle ID is invalid | 1. Receives Vehicle ID 2. Verify that vehicle ID exists | Server sends error response to customer app that vehicle ID doesn’t exists | Yes |
| 13 | Server | No parking event is running for specific vehicle | Receives request from customer app to start a parking event for that specific vehicle | Record query information in the system log and start parking event for that specific vehicle | Yes |
| 14 | Server | Parking event is running for specific vehicle | Receives request from customer app to start a parking event for that specific vehicle | Record query information in the system log and stop the currently active parking event for that specific vehicle and starts a new one | Yes |
| 15 | Server | Parking event is running | Receives request from customer app to stop the current active parking event | Record query information in the system log and stop the currently active parking event | Yes |
| 16 | Server | No parking event is running | Receives request from customer app to stop the current active parking event | Record query information in the system log and send response to customer app that no parking event is running | Yes |
| 17 | Server | Customer is logged in | Receives request from customer to fetch parking events history | Sends to customer app the list of the parking events for given customer | Yes |
| 18 | Server | Vehicle number and parking spaceID are valid.  There is an active parking event | 1. Receives vehicle number parking space ID from PEO app | Verify that vehicle Number and parking space ID are valid.  Verify vehicle has a running parking event.  Record the query information in the system log and send response that parking is ok | Yes |
| 19 | Server | Vehicle number and parking spaceID are valid.  There is no active parking event | 1. Receives vehicle number and parking space ID from PEO app | Verify that vehicle Number and parking space ID are valid.  Verify vehicle has a running parking event.  Send response that parking is not ok | Yes |
| 20 | Server | Vehicle number and parking spaceID are valid. | 1. Receives vehicle number and parking space ID from PEO app | Verify that vehicle Number and parking space ID are valid.  Sends a response that the vehicle number and parking space ID are valid | Yes |
| 21 | Server | Vehicle number and parking spaceID are invalid. | 1. Receives vehicle number and parking space ID from PEO app 2. Verify the validity of vehicle number and parking space ID | Verify that vehicle Number and parking space ID are valid.  Sends an error response that the vehicle number and parking space ID are invalid | Yes |
| 22 | Server | Vehicle Number and Parking space ID are valid  There was a parking event in the queried time | 1. Receive vehicle number, parking space ID, date and time from MO app | Verify vehicle number and parking space ID.  Verify that there was a parking event in the queried time.  Record the query information in the system and send response that parking is ok | Yes |
| 23 | Server | Vehicle Number and Parking space ID are valid  There was no parking event in the queried time | 1. Receive vehicle number, parking space ID, date and time from MO app | Verify vehicle number and parking space ID.  Verify that there was a parking event in the queried time.  Record the query information in the system and send response that parking is not ok | Yes |
| 24 | Server | MO is logged in | 1. Receive parking space ID from MO app 2. Find all parking events for given parking space ID | Find all parking events for given parking space ID.  Send a response which contains the list of parking events for given parking space ID | Yes |