**System Test case Document for Backend**

Tested again with new document

Date: 2.6.2016

Performed by (Chrome):

Mzeen @ Acer Laptop, Windows 10

Started SpringBootApp in 13.745 seconds (JVM running for 14.662)

| **Use Case** | **Function Being Tested** | **Input** | **Expected Output** | **Test execution documentation** |
| --- | --- | --- | --- | --- |
| IC\_C1 | SF\_S3: Checking When the bus arrives | ./stops | Send the list of stop with stopid, stop name, line passing through the stops, location of the stop, bus schedule of the stop | list of stop with stopid, stop name, line passing through the stops, location of the stop, bus schedule of the stop is displaying |
| IC\_C2 | SF\_S5: See information about the bus | ./busses | List of all busses with their number plate, color and picture | List of busses along with their number plate, color and picture is displayed |
|  | SF\_S6: See information about the bus GPS position | /busses/:{busId}/ | Send Current GPS Data coordinates | Bus Gps coordinate is showing |
| IC\_C3 | SF\_S6: See Position of the Bus | /busses/:{busId}/ | Send Current GPS Data coordinates | Bus Position is showing |
| IC\_B1 | SF\_S1: Setup for driving and showing Lines | ./lines | Send List of Lines with lineid, name, routeid, and busses running on that specific line | List of Lines with lineid, name, routeid, and busses running on that specific line is displayed |
|  | SF\_S2: Setup for driving and showing List of busses | ./busses | Send List of all busses with their number plate, color and picture | List of busses along with their number plate, color and picture is displayed |
|  | SF\_S4: Setup for driving and showing all routes | ./routes | Send List of all routes with id, route coordinates in longitude and latitude format | List of all routes with id, route coordinates in longitude and latitude format is displayed |
|  | SF\_S7: Setup for driving and store bus, lines, routes and stop | ./update | Store Bus, Line, routes and stop information | Store Bus, Line, routes and stop information and displayed |
| IC\_B2 | SF\_S13:Document number of the people |  | For next iteration | Not Tested now because it will be tested in next iteration |
| IC\_B3 | SF\_S4: See the route | ./routes | Send List of all routes with id, route coordinates in longitude and latitude format | List of all routes with id, route coordinates in longitude and latitude format is displayed |
| IC\_B4 | SF\_S3: See the stops | /stops | Send the list of stop with stopid, stop name, line passing through the stops, location of the stop, bus schedule of the stop | list of stop with stopid, stop name, line passing through the stops, location of the stop, bus schedule of the stop |
| IC\_B5 | SF\_S9: see the updated bus status | /updateBusStatus/{busId}/{lineId}/ | Send the current bus status and line status | Console result: HTTP 404 Not Found |
| IC\_B6 | SF\_S10: See the realtime Bus Information | /busses/:{busId}/ | Send the real-time bus information | Realtime information of bus along with gps data is diplaying |

**Author:** Muhammad Zeeshan

**Status:** complete

**Reviewer:**

**Review Status:**