**Backbase Computer database app test cases**

**Preconditions for all test cases:**

\*the following application url will be used**: http://computer-database.herokuapp.com/computers**

\*most of the test cases will be performed on a windows 7x64 machine using Chrome 56.0.2924.87 (64-bit)

\*for basic crossbrowser testing this Firefox version will be used: 51.0.1 (32-bit)

\*the latest nodejs(6.9.3) and webdriver node package will be used for automation(as of 13.02.2017)

**Create computer**

*test case 1*

1. go to base url

2. press add computer

3. press create this computer

expected>>>The computer name field is highlighted with light red to indicate the name is mandatory

*test case 2*

add name "tc2"

add future date i.e. 2022.02.02

expected>>> error

actual>>>computer is created!

*test case* 3

add valid name

add 0000-01-01 as date

expected>>> error

actual>>>computer is created and the date is 3 Jan 0001

*test case* 4

discontinued date should always be later than created date

>>failed

*test case* 5

duplicate entries should not be allowed>>>fail

*test case* 6

test with name containing non-English characters i.e. german, japanes etc.

*test case* 7

add long name>>>>out of bounds

**Read**

*test case* 1

navigate to page 2

>>>displaying 11-20

*test case* 2

sorting arrows by Name, Introduced, Discontinued, Company **do not work**

fail

*test case* 3

filter by ""

*test case* 4

filter by" "

*test case* 5

filter by "tc2"

*test case* 6

modify url with p=30

*test case* 7

one computer found

**Update**

*test case* 1

update tc2 computer to no name

*test case* 2

update tc1 computer to雨(japanese)

*test case* 3

update computer with no changes

>>>computer updated message should not be displayed

*test case* 4

go to page 5

update any pc

expected>>>stays on page 5

actual behavior>>>goes back to first page

**Delete**

*test case* 1

delete first computer

no confirmation dialog

*test case* 2

read no of computers found

delete one

number decreases by 1

**Notes:**

I chose not to write and number every single step of the tests for the sake of brevity

For consistent automation all buttons and forms should have clear ids(The delete button does not have one)

All of the above test cases that contain an expected and actual behavior should be treated as bugs

The protractor tests require a selenium server to run(this is done in windows by running **webdriver-manager start** in a command prompt)

For tests involving the number of computers I used the text from the bottom right corner navigation(The text is Displaying 1 to 10 of xxx)