

Title: Add new computer – Add new computer with all fields empty

Description: Add a new computer without “Computer name”.

Precondition: the user must access the sample application: <http://computer-database.herokuapp.com/computers>

Assumption: a supported browser is being used.

Test Steps:

1. Navigate to the sample application
2. Click on ‘Add a new computer’.
3. Click the ‘Create this computer’ button.

Expected Result: The system must highlight the field “Computer name” in red and not allow the user to create the new computer without a Computer name.

Title: Add new computer – Add new computer with all fields filled

Description: Add a new computer inserting information in all fields: Computer name, Introduced date, discontinued date and Company.

Precondition: the user must access the sample application: <http://computer-database.herokuapp.com/computers>

Assumption: a supported browser is being used.

Test Steps:

1. Navigate to the sample application
2. Click on ‘Add a new computer’.
3. Enter a valid String information in ‘Computer name’ field
4. Enter a valid date with given format ‘yyyy-MM-dd’ in ‘Introduced date’ field
5. Enter a valid date with given format ‘yyyy-MM-dd’ in ‘discontinued date’ field
6. Choose one of the options in “Company” combo Box
7. Click the ‘Create this computer’ button.

Expected Result: The system must create the new computer with success and go back to the previous screen, showing the message: “Done! Computer “xxx” has been updated”.

Title: Add new computer – Add new computer with only Computer name

Description: Add a new computer with only the “Computer name” field with an information

Precondition: the user must access the sample application: <http://computer-database.herokuapp.com/computers>

Assumption: a supported browser is being used.

Test Steps:

1. Navigate to the sample application
2. Click on ‘Add a new computer’.
3. Enter a valid String information in ‘Computer name’ field
4. Click the ‘Create this computer’ button.

Expected Result: The system must create the new computer with success and go back to the previous screen, showing the message: “Done! Computer “xxx” has been updated”.

Title: Update a computer – Update an already created computer

Description: Update an already created computer changing the “Computer name”

Precondition: the user must access the sample application: <http://computer-database.herokuapp.com/computers>

Assumption: a supported browser is being used.

Test Steps:

1. Navigate to the sample application
2. In the ‘Filter by computer name...’ insert the name of a computer already created
3. The system must show the result correctly
4. Click on ‘Computer name’ of the result
5. The system must show the page “Edit computer”
6. Change the “Computer name” information to any valid String
7. Click on “Save this computer” button

Expected Result: The system must update the computer with success and go back to the previous screen, showing the message: “Done! Computer “xxx” has been updated”.

Title: Delete a computer – Delete an already created computer

Description: Delete an already created computer from the database

Precondition: the user must access the sample application: <http://computer-database.herokuapp.com/computers>

Assumption: a supported browser is being used.

Test Steps:

1. Navigate to the sample application
2. In the 'Filter by computer name...' insert the name of a computer already created
3. The system must show the result correctly
4. Click on 'Computer name' of the result
5. The system must show the page "Edit computer"
6. Click on "Delete this computer" button

Expected Result: The system must remove the computer from the database with success and go back to the previous screen, showing the message: "Done! Computer has been deleted".

Title: Add new computer – Add new computer validating the "Introduced date" field

Description: Add a new computer validating the "Introduced date" field to guarantee it's not accepting anything but the given format "yyyy-MM-dd".

Precondition: the user must access the sample application: <http://computer-database.herokuapp.com/computers>

Assumption: a supported browser is being used.

Test Steps:

1. Navigate to the sample application
2. Click on 'Add a new computer'.
3. Enter a valid String information in 'Computer name' field
4. In the "Introduced date" field insert the date from the table below (each scenario per time).
5. Click on "Create this computer" button for each scenario.

Expected Result: The system must not accept anything different from the given date "yyyy-MM-dd" and the computer cannot be created.

Scenario	Input	Expected result
1	0000-00-00	The system must highlight the field in red and cannot accept this date.
2	2018/12/23	The system must highlight the field in red and cannot accept this date.
3	yyyy-MM-dd	The system must highlight the field in red and cannot accept this date.
4	18/12/23	The system must highlight the field in red and cannot accept this date.
5	20181-12-23	The system must highlight the field in red and cannot accept this date.
6	2018-@@-23	The system must highlight the field in red and cannot accept this date.
7	2018-23-12	The system must highlight the field in red and cannot accept this date.
8	2018-00-12	The system must highlight the field in red and cannot accept this date.
9	2018-13-12	The system must highlight the field in red and cannot accept this date.
10	218-13-12	The system must highlight the field in red and cannot accept this date.
11	2019-02-30	The system must highlight the field in red and cannot accept this date.
12	20181223	The system must highlight the field in red and cannot accept this date.

Title: Add new computer – Add new computer validating the “Discontinued date” field

Description: Add a new computer validating the “Discontinued date” field to guarantee it’s not accepting anything but the given format “yyyy-MM-dd”.

Precondition: the user must access the sample application: <http://computer-database.herokuapp.com/computers>

Assumption: a supported browser is being used.

Test Steps:

1. Navigate to the sample application
2. Click on ‘Add a new computer’.
3. Enter a valid String information in ‘Computer name’ field
4. In the “Discontinued date” field insert the date from the table below (each scenario per time).
5. Click on “Create this computer” button for each scenario.

Expected Result: The system must not accept anything different from the given date “yyyy-MM-dd” and the computer cannot be created.

Scenario	Input	Expected result
1	0000-00-00	The system must highlight the field in red and cannot accept this date.
2	2018/12/23	The system must highlight the field in red and cannot accept this date.
3	yyyy-MM-dd	The system must highlight the field in red and cannot accept this date.
4	18/12/23	The system must highlight the field in red and cannot accept this date.
5	20181-12-23	The system must highlight the field in red and cannot accept this date.
6	2018-@@-23	The system must highlight the field in red and cannot accept this date.
7	2018-23-12	The system must highlight the field in red and cannot accept this date.
8	2018-00-12	The system must highlight the field in red and cannot accept this date.
9	2018-13-12	The system must highlight the field in red and cannot accept this date.
10	218-13-12	The system must highlight the field in red and cannot accept this date.
11	2019-02-30	The system must highlight the field in red and cannot accept this date.
12	20181223	The system must highlight the field in red and cannot accept this date.