|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ID | Title | Steps | Expected result | Type | Notes |
| 1 | Home page | 1. Open web browser 2. Go to [http://computer-database.herokuapp.com/computer](http://computer-database.herokuapp.com/computers?s=3) | Computer database home page will appear. | functional |  |
| 2 | Filter by name (No data) | 1. Go to ([http://computer-database.herokuapp.com/computer](http://computer-database.herokuapp.com/computers?s=3)) 2. Leave the field empty 3. Click on Filter by name button | No validation appear | functional | If the filter by name was used as a default search or as a refresh (Play sample application — Computer database) should be removed as its having the same behavior as the filter by name button. |
| 3 | Filter by name  (Data exists) | 1. Go to ([http://computer-database.herokuapp.com/computer](http://computer-database.herokuapp.com/computers?s=3)) 2. Enter a name that exists 3. Click on Filter by name button | A correct result appears | functional |  |
| 4 | Filter by name  (Data doesn’t exists) | 1. Go to ([http://computer-database.herokuapp.com/computer](http://computer-database.herokuapp.com/computers?s=3)) 2. Enter a name that doesn’t exists 3. Click on Filter by name button | (Nothing to display) message appears | functional |  |
| 5 | Add new computer | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on Add new computer button 3. Click on create this computer | (Required) msg appears for the user to enter a computer name | functional |  |
| 6 |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on Add new computer button 3. Enter special a name that only has characters   Click on create this computer | The new computer is added successfully in ascending order | functional |  |
| 7 |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on Add new computer button 3. Enter special characters in the computer name for example (.) 4. Click on create this computer | The computer is created successfully in descending order | functional |  |
| 8 |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on Add new computer button 3. Enter numbers only in the computer field 4. Click on create this computer | The computer is created successfully in descending order | functional |  |
| 9 |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Enter a name with more than 50 character 3. Click on save 4. Observe the results | The whole long name is displayed and that cause a design issue on table | functional | A validation for the allowed number of characters should be implemented on the computer name field |
| 10 | Edit the computer | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on create new computer 3. Enter <script>alert('hello world');</script> in the name field | No “Hello world” alert popup over the screen appears. | functional |  |
| 11 |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computer name 3. Change the name 4. Click on save this computer | Its saved successfully with a msg appearing that the computer has been updated | functional |  |
| 12 | Cancel changes on computer | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computer name 3. remove the name   Click on save this computer | An error message appears “Required” for the computer name field. | functional |  |
| 13 |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computer name 3. Change the name 4. Click cancel | Its cancelled successfully | functional | A confirmation popup should appear asking the user if he wants to cancel the changes. |
| 14 | Introduction date | 1. Go to (<http://computer-database.herokuapp.com/computers/>) 2. Click on add new computer 3. Fill the field with data 4. Click on cancel | Its cancelled successfully | functional | A confirmation popup should appear asking the user if he wants to cancel the changes. |
| 15 |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computer name 3. Enter introduction date in format “yyyy-mm-dd” 4. Click on save this computer | Its saved successfully | functional |  |
| 16 | Change the date format | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computer name 3. Enter introduction date in wrong format like (1992-13-11) or entering characters and special characters 4. Click on save this computer | The filed will be highlighted in red indicating that there is an error | functional |  |
| 17 | Delete this computer | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computers or create new one 3. In the introduction date field, click on inspect element and change the date format to be mm-MM-DD in <span class= “help-inLine”>Date (‘mm-MM-DD’)</span> and save it 4. In the field enter for example (0-1-1) and click save | The date is saved as 03 Jan 0001 in the table, but if you click on the computer name (2israa) it will show the date as 0000-01-01 | functional |  |
| 18 | Duplicate computer name | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computer name 3. Click on delete this computer | The Computer is deleted successfully. | functional | A confirmation msg or popup should appear to the user in case he wants to delete a computer. |
| 19 | Issue and Discontinued date | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Enter an already existing computer name 3. Click on save this computer | The computer is saved successfully. | functional | Computer name should be unique |
| 20 | Screen size (137x394) | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on one of the computers 3. Enter the issue date in 30-september-1992 4. Enter the discontinued date in 30-8-1992 | The computer is saved successfully. | functional | The discontinued date should be before the issue date |
| 21 | Minimize the browser screen width | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) with a screen size 137x394 using inspect element mobile view 2. Click on one of the existing computers 3. Check the results | Design issue appears (delete button is overlapped by Play sample application — Computer database) | Non Functional |  |
| 22 | Next button | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Minimize the browser width the minimum 3. Check the results | Design issue (filter by button is overlapped with add new computer button) and the design for the table on the far right is damaged. | Non Functional |  |
|  | TAB button | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on “Next” button in the bottom right of the homepage | The results in the table will show the next 10 results from the computer database. | functional |  |
|  |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Press the TAB button on keyboard until you reach the last link in the page | While pressing the tab key, you will be able to navigate to all clickable elements in the page. | Non Functional |  |
|  |  | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on create new computer 3. Press the TAB button on keyboard until you reach the last link in the page | While pressing the tab key, you will be able to navigate to all clickable elements in the page. | Non Functional |  |
|  | filter | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. In the filter field enter space 3. Check the results | The returned result will have the computer names that included spaces in it. | functional |  |

**BUGS**:

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| --- | --- | --- | --- | --- |
| ID | Description | Steps to reproduce | Actual behavior | Severity |
| 1 | Issue when adding more than 9k characters in the computer name (add new compute) | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on add new computer 3. Enter 9k characters 4. Click on save computer | “**Application error,** An error occurred in the application and your page could not be served. If you are the application owner, check your logs for details. You can do this from the Heroku CLI with the command” | 1 |
| 2 | Issue when adding more than 9k characters in the filter by name filed | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Enter 9k character in the filter filed | “This page isn’t working, If the problem continues, contact the site owner HTTP ERROR 414) | 1 |
| 3 | Issue on the table header for computer name | 1. Go to (<http://computer-database.herokuapp.com/computers/> ) 2. Click on the header of the table “computer name” | The results are not returning in descending order. | 2 |
| 4 | Issue on the redirection of the link | 1. Copy the link to the browser <http://computer-database.herokuapp.com/computers?s=3> 2. Change the end of the link to be 3. <http://computer-database.herokuapp.com/computers/isra> | The results will be : Bad request  For request 'GET /computers/isra' [Cannot parse parameter id as Long: For input string: "isra"] | 2 |
| 5 | Homepage, Add new computer and Edit computer pages are not responsive | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on the pages (homepage, add new computer and edit computer) 3. Change the size of the browser (resize) | Design issue appears | 3 |
| 6 | Issue on the issuing and discontinued dates | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on add new computer or edit computer 3. For the issuing date enter a valid date 4. For the discontinued date, enter a date that the before the issuing date | A validation should be on the date so the discontinued date won’t be before the issuing date. | 2 |
| 7 | Design issue when entering more than 50 character in the computer name | 1. Go to ([http://computer-database.herokuapp.com/computers/](http://computer-database.herokuapp.com/computers/new)) 2. Click on add new computer or edit computer 3. Enter more than 50 character in the name filed 4. Click on save | Design issue appears | 2 |