

Project	Computer database
Platform	Web browser
QA	Nguyen Vu Le
Total cases	30

Project	Computer database
Platform	Web browser
Module	Company Detail
Total cases	17

Module/Screen/ Function	Test Case ID	Test Case Description	Input / Procedure / Steps	Expected Result	Result	Date	Tester	Remarks
Home Screen	HS_001	Loading the Home Screen	Pre-condition: - Open the supported browser. Steps: - Input "https://computer-database.gatling.io/computers" to the address bar. - Tap on the Enter button on the keyboard.	Users access the Computer Database site successfully with the following components are displayed as the expected UI: - The site title: "Computer database". - The href link in the top bar: "Computer database". - The header: "<number of computers> computers found". - The search box with the placeholder "Filter by computer name...". - The "Filter by name" button is placed next to the search box with the active status (clickable). - The "Add a new computer" button with the active status (clickable). - The table lists all computers in the system, including 4 columns which are "Computer name", "Introduced", "Discontinued" and "Company". - The pagination is shown under the Computers list.				
Home Screen - Top Bar	HS_002	Verify the href link in the top bar.	Pre-condition: - Access the Home screen successfully (Test case ID: HS_001). Steps: - Hover the cursor over the text "Computer database" in the top bar. - Click on the text "Computer database" in the top bar.	- The underline dash is displayed when the cursor hoves on the text "Computer database" in the top bar. - The page "https://computer-database.gatling.io/computers" is loaded successfully as the expectation in the Test Case ID HS_001.				
Home Screen - Search	HS_003	Verify an error message should be shown when users click on the "Filter by name" button without inputting any keywords in the search box.	Pre-condition: - Access the Home screen successfully (Test case ID: HS_001). - The search box displays the default placeholder (empty state). Steps: - Click on the "Filter by name" button.	- The warning message is displayed under the search box with the following content: "Please fill in this field" - The warning message will be disappeared after 5 seconds.				
Home Screen - Search	HS_004	Verify that users are able to input keywords into the search box	Pre-conditions: - Access the Home screen successfully (Test case ID: HS_001). - The search box displays the default placeholder (empty state). Steps: - Hover the cursor over the search box. - Click on the search box.	- The cursor should be shown as an expected UI. - After clicking on the search box: # Inside the text box, the cursor stays on the left and blinks. # The placeholder is disappeared when users start to input text # Users can: * Input text. * Copy/Paste/Select/Cut/Delete the keywords with the mouse. * Copy/Paste/Select/Cut/Delete the keywords by using the keyboard or the combination keys on the keyboard (ex: Ctrl + C, Ctrl + V,...). * Delete the inputted text by clicking on the "X" button, which is shown when users are inputting text into the text box.				
Home Screen - Search	HS_005	Verify that the search rule is "Similar Match" with the inputted keywords.	Pre-conditions: - Access the Home screen successfully (Test case ID: HS_001). - Users are able to input keywords into the search box (Test case ID: HS_004). Steps: - Input keywords. - Click on the "Filter by name" button.	- The inputted text is displayed inside the textbox. - The computer names in the search result should be matched with the inputted text, following the "Similar Match" search rule and including the following information: # "Computer name" column shows the "Company name" hyperlink (Company Detail Page) ordered by ASC logic. # "Introduced" column # "Discontinued" column # "Company" column - If a user clicks on a "Company name" hyperlink, the user will be redirected to its Company Detail page.				

Home Screen - Search	HS_006	Verify that users are able to search by pressing the Enter key from the keyboard after inputting keywords	Pre-conditions: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - Users are able to input keywords into the search box (Test case ID: HS_004). - The search rule is "Similar Match" with the inputted keywords (Test case ID: HS_005). Steps: <ul style="list-style-type: none"> - Input keywords. - Press the Enter key from the keyboard. 	<ul style="list-style-type: none"> - The inputted text is displayed inside the textbox. - The search result should be matched with the search rule. 				
Home Screen - Search	HS_007	Verify that there is no suggested word is displayed if users have not used the search function yet	Pre-conditions: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - Users are able to input keywords into the search box (Test case ID: HS_004). - Users have not used the search function yet. Steps: <ul style="list-style-type: none"> - Click on the search box. 	<ul style="list-style-type: none"> - There is no suggested word is displayed. 				
Home Screen - Search	HS_008	Verify that keywords are saved to the suggested words list after users use the search function.	Pre-conditions: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - Users have used the search function (Test case ID: HS_004; HS_005). Steps: <ul style="list-style-type: none"> - Click on the search box. 	<ul style="list-style-type: none"> - The suggested words list is shown. - Users can select any option in the list by clicking on the keywords or pressing the enter button on the keyboard. - The selected option will be shown in the text box as an inputted text. - When users use the search function, the search result should be exactly matched with the selected option. 				
Home Screen - Search	HS_009	Verify that the message "Nothing to display" will be shown if no data is matched with the inputted text.	Pre-conditions: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - Users are able to input keywords into the search box (Test case ID: HS_004). - The search rule is "Similar Match" with the inputted keywords (Test case ID: HS_005). Steps: <ul style="list-style-type: none"> - Input keywords which have not existed in the database. - Press the Enter key from the keyboard. 	<ul style="list-style-type: none"> - The inputted text is displayed inside the textbox. - The header shows "No computer". - The message "Nothing to display" is shown inside the grey box, which replaced the company list. - The pagination is displayed on the left side right under the grey box, including the Previous and Next buttons in disabled mode, and the text "Displaying 1 to 0 of 0" placed between those buttons. 				
Home Screen - Search	HS_010	Verify users can sort the data in the Computer list by clicking on the arrow down/up in the Computer name/Introduced/Discontinued/Comp any column.	Pre-conditions: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - The Computer list has more than one record. Steps: <ul style="list-style-type: none"> - Click on the arrow down/up in the Computer name/Introduced/Discontinued/Company column. 	<ul style="list-style-type: none"> - If users click on the arrow down icon in the Computer name/Introduced/Discontinued/Company column, the data will be sorted by the ASC logic. - If users click on the arrow up icon in the Computer name/Introduced/Discontinued/Company column, the data will be sorted by the DESC logic. 				
Home Screen - Search	HS_011	Verify users can sort the data in the search result by clicking on the arrow down/up in the Computer name/Introduced/Discontinued/Comp any column.	Pre-conditions: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - Users can use the search function (Test case ID: HS_004, HS_005). - The search result has more than one record. Steps: <ul style="list-style-type: none"> - Click on the arrow down/up in the Computer name/Introduced/Discontinued/Company column. 	<ul style="list-style-type: none"> - If users click on the arrow down icon in the Computer name/Introduced/Discontinued/Company column, the data will be sorted by the ASC logic. - If users click on the arrow up icon in the Computer name/Introduced/Discontinued/Company column, the data will be sorted by the DESC logic. 				
Home Screen - Search	HS_012	Verify the search result should be maintained when users click on any company name hyperlink from the result and navigate back.	Pre-conditions: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - Users can use the search function (Test case ID: HS_004, HS_005). - The search result has at least one record. Steps: <ul style="list-style-type: none"> - Click on any company name hyperlink from the result and navigate back. 	<ul style="list-style-type: none"> - The search result should be maintained. 				

Home Screen - Pagination	HS_013	Verify the pagination when there is no record in the Home screen.	Pre-conditions: - Access the Home screen successfully (Test case ID: HS_001). - There is no company in the database.	- The message "Nothing to display" is shown inside the grey box, which replaced the company list. - The pagination is displayed on the left side right under the grey box, including the Previous and Next buttons in disabled mode, and the text "Displaying 1 to 0 of 0" placed between those buttons.				
Home Screen - Search	HS_014	Verify the pagination when the Company list has less than 10 records.	Pre-conditions: - Access the Home screen successfully (Test case ID: HS_001). - The Company list has less than 10 records.	- The pagination is displayed on the left side right under the Company list, including the Previous and Next buttons in disabled mode, and the text "Displaying 1 to {number of company} of {number of company}" placed between those buttons.				
Home Screen - Search	HS_015	Verify the pagination when the Company list has 10 records.	Pre-conditions: - Access the Home screen successfully (Test case ID: HS_001). - The Company list has 10 records.	- The pagination is displayed on the left side right under the Company list, including the Previous and Next buttons are in disabled mode, and the text "Displaying 1 to 10 of 10" placed between those buttons.				
Home Screen - Search	HS_016	Verify the pagination when the Company list has more than 10 records and users stay on the first page.	Pre-conditions: - Access the Home screen successfully (Test case ID: HS_001). - The Company list has more than 10 records. - The users stay on the first page.	- The pagination is displayed on the left side right under the Company list, including: # The Previous button is in disabled mode. # The Next button is in active mode, and the text "Displaying 1 to 10 of {the total number of computers in the database}" placed between those buttons. # If users click on the Next button, the Company list will show the next 10 records, and the Previous and Next buttons are in active mode, and the text "Displaying 11 to 20 of {the total number of computers in the database}" placed between those buttons.				
Home Screen - Search	HS_017	Verify the pagination when the Company list has more than 10 records and users stay on the last page.	Pre-conditions: - Access the Home screen successfully (Test case ID: HS_001). - The Company list has more than 10 records. - The users stay on the last page.	- The pagination is displayed on the left side right under the Company list, including: # The Previous button is in active mode. # The Next button is in disabled mode, and the text "Displaying {the remaining number} to {the total number of computers in the database} of {the total number of computers in the database}" placed between those buttons. # If users click on the Previous button, the Company list will show the previous 10 records, and the Previous and Next buttons are in active mode, and the text "Displaying {the current number} to {the current number + 10} of {the total number of computers in the database}" placed between those buttons.				

Project	Computer database
Platform	Web browser
Module	Company Detail
Total cases	9

Module/Screen/ Function	Test Case ID	Test Case Description	Input / Procedure / Steps	Expected Result	Result	Date	Tester	Remarks
Add Computer	AC_001	Loading the "Add a computer" screen	Pre-condition: - Access the Home screen successfully (Test case ID: HS_001). Step: - Click on the "Add a new company" button.	Users access the Computer Detaile site successfully with the following components are displayed as the expected UI: - The site title: "Computer database". - The href link in the top bar: "Computer database". - The header: "Add a computer". - The "Computer name" textbox is empty, and the "Required" text is placed on the right side. - The "Introduced" textbox is empty, and the "Required" text is placed on the right side. - The "Discontinued" is empty, and the "Required" text is placed on the right side. - The "Company" dropdown list in the active status (clickable) with the placeholder text "-- Choose a company --". - The "Create this computer" button has a blue colour with the active status (clickable). - The "Cancel" button has a grey colour with the active status (clickable).				
Add Computer - Top Bar	AC_002	Verify the href link in the top bar.	Pre-condition: - Access the Add a computer screen successfully (Test case ID: AC_001). Steps: - Hover the cursor over the text "Computer database" in the top bar. - Click on the text "Computer database" in the top bar.	- The underline dash is displayed when the cursor hoves on the text "Computer database" in the top bar. - The page "https://computer-database.gatling.io/computers" is loaded successfully as the expectation in the Test Case ID HS_001.				
Add Computer	AC_003	Verify an error message should be shown when users click on the "Create this computer" button without inputting the required data.	Pre-conditions: - Access the Add a computer screen successfully (Test case ID: AC_001). - The required field is blank. Step: - Click on the "Create this computer" button.	- The warning message is displayed next to the "Computer name" textbox with the following content: "Please fill in this field" replaced the grey text, "Required". - The warning message and the textbox are highlighted in red colour.				
Add Computer	AC_004	Verify that users will be redirected to the Home screen after clicking the Cancel button.	Pre-condition: - Access the Add a computer screen successfully (Test case ID: AC_001). Step: - Click on the "Cancel" button.	- The page "https://computer-database.gatling.io/computers" is loaded successfully as the expectation in the Test Case ID HS_001.				
Add Computer	AC_005	Verify that users are able to create a computer if they filled the required field.	Pre-conditions: - Access the Add a computer screen successfully (Test case ID: AC_001). - Input data into the required field. Step: - Click on the "Create this computer" button.	- The users are redirected to the Home screen as the expectation in the Test Case ID HS_001. - The {total number of computers} increased after the new computer was added successfully. - Under the {total number of computers}, there is a yellow block with the message: "Done ! {Computer name} has been created". - The new computer has to be listed in the Computer list and should be listed in the search result if its name matches the keywords. - Users are able to access the new computer detail page by clicking on its name in the Computer list, and the data should be matched with the inputted data during the creation process.				

Add Computer	AC_006	Verify that users are able to select the company when they click on the "Company dropdown list".	Pre-conditions: <ul style="list-style-type: none"> - Access the Add a computer screen successfully (Test case ID: AC_001). - The "Company dropdown list" has at least 1 record. Step: <ul style="list-style-type: none"> - Click on the "Company dropdown list". 	<ul style="list-style-type: none"> - The "Company dropdown list" shows the list of the companies which have been added to the database. - Users can select any option in the list by clicking on the keywords or pressing the enter button on the keyboard. - The selected option will be shown in the text box as an inputted text. 				
Add Computer	AC_007	Verify that users are able to create a computer if all the fields have data, including required and optional.	Pre-conditions: <ul style="list-style-type: none"> - Access the Add a computer screen successfully (Test case ID: AC_001). - Input data into fields. Step: <ul style="list-style-type: none"> - Click on the "Create this computer" button. 	<ul style="list-style-type: none"> - The users are redirected to the Home screen as the expectation in the Test Case ID HS_001. - The {total number of computers} increased after the new computer was added successfully. - Under the {total number of computers}, there is a yellow block with the message: "Done ! {Computer name} has been created". - The new computer has to be listed in the Computer list and should be listed in the search result if its name matches the keywords. - Users are able to access the new computer detail page by clicking on its name in the Computer list, and the data should be matched with the inputted data during the creation process. 				
Add Computer	AC_008	Verify an error message should be shown when users input the incorrect data format into the Introduced field and click on the "Create this computer" button .	Pre-conditions: <ul style="list-style-type: none"> - Access the Add a computer screen successfully (Test case ID: AC_001). - Input the incorrect data format into the Introduced field. Step: <ul style="list-style-type: none"> - Click on the "Create this computer" button. 	<ul style="list-style-type: none"> - The warning message is displayed next to the "Introduced" textbox with the following content: "Incorrect data. It should be (yyyy-MM-dd')." replaced the grey text, Date "(yyyy-MM-dd)". - The warning message and the textbox are highlighted in red colour. 				
Add Computer	AC_009	Verify an error message should be shown when users input the incorrect data format into the Introduced field and click on the "Create this computer" button .	Pre-conditions: <ul style="list-style-type: none"> - Access the Add a computer screen successfully (Test case ID: AC_001). - Input the incorrect data format into the Discontinued field. Step: <ul style="list-style-type: none"> - Click on the "Create this computer" button. 	<ul style="list-style-type: none"> - The warning message is displayed next to the "Discontinued" textbox with the following content: "Incorrect data. It should be (yyyy-MM-dd')." replaced the grey text, Date "(yyyy-MM-dd)". - The warning message and the textbox are highlighted in red colour. 				

Project	Computer database
Platform	Web browser
Module	Company Detail
Total cases	4

Module/Screen/ Function	Test Case ID	Test Case Description	Input / Procedure / Steps	Expected Result	Result	Date	Tester	Remarks
Company Detail	CD_001	Loading the Company Detail Screen.	Pre-condition: <ul style="list-style-type: none"> - Access the Home screen successfully (Test case ID: HS_001). - The Computer list has more than one record. Steps: <ul style="list-style-type: none"> - Click on a "Company name" hyperlink in the "Company name" column. 	Users access the Computer Detaile site successfully with the following components are displayed as the expected UI: <ul style="list-style-type: none"> - The site title: "Computer database". - The href link in the top bar: "Computer database". - The header: "Edit computer". - The "Computer name" text box shows the name of the computer, which matches the data in the system. - The data in the "Introduced", "Discontinued" and "Company" dropdown list are displayed as the data saved in the system. - The "Save this computer" button has a blue colour with the active status (clickable). - The "Cancel" button has a grey colour with the active status (clickable). - The "Delete this computer" button is shown on the right side in active mode. 				
Company Detail - Delete	CD_002	Verify that users can delete a company.	Pre-condition: <ul style="list-style-type: none"> - Access the "Edit computer" screen successfully (Test case ID: CD_001). Step: <ul style="list-style-type: none"> - Click on the "Delete this computer" button. 	<ul style="list-style-type: none"> - The users are redirected to the Home screen as the expectation in the Test Case ID HS_001. - The {total number of computers} decreases after a computer was deleted successfully. - Under the {total number of computers}, there is a yellow block with the message: "Done ! {Computer name} has been deleted". - The deleted computer has to be removed from the Computer list and should not be listed in the search result if its name matches the keywords. - Users cannot access the new computer detail page by clicking on its name in the Computer list (cache data), and its status should be updated to "Removed" in the database. 				
Company Detail - Edit	CD_003	Verify that users can edit a company information.	Pre-condition: <ul style="list-style-type: none"> - Access the "Edit computer" screen successfully (Test case ID: CD_001). - Required data cannot be blank. - The inputted data has to be correct in the data format. Steps: <ul style="list-style-type: none"> - Edit any data of the company. - Click on the "Save this computer" button. 	<ul style="list-style-type: none"> - The users are redirected to the Home screen as the expectation in the Test Case ID HS_001. - The {total number of computers} should be unchanged after the computer information was updated successfully. - Under the {total number of computers}, there is a yellow block with the message: "Done ! {Computer name} has been updated". - The "Edited computer" has to be listed in the Computer list and should be listed in the search result if its name matches the keywords. - Users are able to access the "Edited computer" detail page by clicking on its name in the Computer list, and the data should be matched with the inputted data after the Edit step. 				
Company Detail	CD_004	Verify that users will be redirected to the Home screen after clicking the Cancel button.	Pre-condition: <ul style="list-style-type: none"> - Access the "Edit computer" screen successfully (Test case ID: CD_001). Step: <ul style="list-style-type: none"> - Click on the "Cancel" button. 	<ul style="list-style-type: none"> - The page "https://computer-database.gatling.io/computers" is loaded successfully as the expectation in the Test Case ID HS_001. 				