

BackBase QA Assignment

The test cases for CRUD operations and edge cases are listed below for the sample application.

Test Case ID	Description	Step #	Action	Test Input	Expected Result	Actual Result	Failure/pass
CREATE 1	Successful record creation	1	User opens the application		"Add a new computer" button must be displayed		
		2	Clicks the add button		User must be redirected to /computers/new path.		
		3	Enters valid computer name, introduced date, discontinued date and selects company and clicks create button.	Name: Qazxswedc Int date: 2016-10-20 Disc date: 2016-10-20 Company: Apple Inc.	"Done! Computer Qazxswedc has been created" message must be displayed. Number of computers must increase by 1.		
CREATE 2	Record creation fail	1	User opens the application		"Add a new computer" button must be displayed		
		2	Clicks the add button		User must be redirected to /computers/new path.		
		3	Name field is not filled. Enters valid introduced date, discontinued date and selects company and clicks create button.	Int date: 2016-10-20 Disc date: 2016-10-20 Company: Apple Inc.	Required field error must be displayed for the name field.		
CREATE 3	Record creation fail	1	User opens the application		"Add a new computer" button must be displayed		
		2	Clicks the add button		User must be redirected to /computers/new path.		
		3	Enters valid name but invalid introduced date, and discontinued date.	Int date: 2016-30-30 Disc date: 2016-30-30 Company: Apple Inc.	Date fields are marked for the mismatching fields.		
CREATE 4	Record creation	1	User opens the application		"Add a new computer" button must be displayed		
		2	Clicks the add button		User must be redirected to /computers/new path.		

		3	Enters an n-character name string, valid past dates as introduced date and discontinued date.	* Assuming there exist a length restriction, n = 255 & n = 4000	User must be allowed to enter a name as max-n digits.		
CREATE 5	Record creation	1	User opens the application		"Add a new computer" button must be displayed		
		2	Clicks the add button		User must be redirected to /computers/new path.		
		3	Enters a name string, valid dates as introduced date and discontinued date.	Name: Computer'Name&%123__?908((In case there is a character restriction, user will not create a record.		
CREATE 6	Record creation	1	User opens the application		"Add a new computer" button must be displayed		
		2	Clicks the add button		User must be redirected to /computers/new path.		
		3	Enters an existing name string, valid dates as introduced date and discontinued date.		In case there is a duplicate record restriction, user will not create a record.		
UPDATE 1	Successful update	1	User selects an item from the table by clicking computer name		User must be redirected to detail page as /selectedComputer/ID		
		2	Updates the entered data with the given values, clicks "Save".	Name: SampleComputer Int date: 2016-10-20 Disc date: 2016-11-20 Company: Apple Inc.	"Done! Computer SampleComputer has been updated" message must be displayed.		
UPDATE 2	Update fail scenario	1	User selects an item from the table by clicking computer name		User must be redirected to detail page as /selectedComuper/ID		
		2	Name field is not filled. Enters valid introduced date, discontinued date and selects company and clicks create	Int date: 2016-10-20 Disc date: 2016-10-20 Company: Apple Inc.	Required field error must be displayed for the name field.		

			button.				
UPDATE 3	Update fail scenario	1	User selects an item from the table by clicking computer name		User must be redirected to detail page as /selectedComuper/ID		
		2	Enters valid name but invalid introduced date, and discontinued date.	Int date: 2016-30-30 Disc date: 2016-30-30 Company: Apple Inc.	Date fields are marked for the mismatching fields.		
READ1	Successful read	1	User creates a record with the CREATE1 scenario.				
		2	User goes to homepage and enters previously created record name, clicks filter.		The filtering action on page should return the created item on the list, with the specified properties.		
READ2	Successful read	1	User creates a record with the UPDATE1 scenario.				
		2	User goes to homepage and enters previously created record name, clicks filter.		The filtering action on page should return the updated item on the list, with the specified properties.		
READ3	Pagination for records	1	User opens application, clicks "Next" for pagination check.		Url of page is modified in an incrementing order (p=1 parameter added) http://computer-database.herokuapp.com/computers?p=1		
READ4	Exceeding pagination check	1	User opens application adds pagination parameter n as, http://computer-database.herokuapp.com/computers?p=n	(e.g. n=1000)	For exceeding cases, nothing is displayed.		
READ5	Filtering check	1	From homepage, a filtering parameter is submitted.		Records matching the filters must be displayed.		
DELETE 1	Successful delete	1	User opens app, clicks to an item on the list.		Detail page must be displayed.		
		2	Clicks "Delete this computer" button.		"Done! Computer has been deleted" message must be displayed. The deleted item must not be listed on page		

					anymore. Number of computers must decrease by 1.		
DELETE 2	Delete fail/success	1	User clicks an existing item on the list and deletes	Item URL: http://computer-database.herokuapp.com/computers/57	"Done! Computer has been deleted" message must decrease by 1.		
		2	User re-visits http://computer-database.herokuapp.com/computers/57		In case the product is deleted , user must not be allowed to delete the record again.		