

| Test Case ID | Test Case Description | Preconditions | Steps | Acceptance Criteria | Test Data | | | | Expected Result | Post Conditions | |
|--------------|---|--|--|--|---|-----------------|-------------------|-------------------|---|--------------------------|--|
| T001 | Create a new computer | | On the home page take a note of the number of computers found Click Add a new computer Fill in the details on the Add a computer page using the test data Click create a computer Validate the computers found has been incremented by 1 Search for the new computer and validate the details Repeat for each computer | Given I want to add a new Computer When I add a <Computer Name> with <Introduced Date> <Discontinued date> and <Company> Then the new <Compute Name> is added And the computers found has been incremented by 1 And I can search for the new <Computer Name> | Computer Name | Introduced date | Discontinued date | Company | Computer added to database with correct data and computers found increased by 1 | Delete computers created | |
| | | | | | TestPC1 | 2001-01-01 | 2010-01-01 | Apple Inc. | | | |
| | | | | | TestPC2 | blank | blank | blank | | | |
| | | | | | TestPC3 | blank | 2010-01-01 | RCA | | | |
| | | | | | TestPC4 | blank | blank | Thinking Machines | | | |
| | | | | | TestPC5 | 2001-01-01 | blank | RCA | | | |
| | | | | | TestPC6 | 2001-01-01 | blank | blank | | | |
| | | | | | TestPC7 | blank | 2010-01-01 | blank | | | |
| | | | | | TestPC8 | 2001-01-01 | 2010-01-01 | blank | | | |
| T002 | Read a new Computer | | On the home page enter the computer name and filter on it | Given I want to search for a computer When I search for a computer Then I can find the computer | Search for computer ASCII White Introduced date: 2001-01-01 Discontinued date: 2006-01-01 Company: IBM | | | | Computer found and correct data displayed | | |
| T003 | Search for a Computer that does not exist | Use a computer name that is not present in the database | | Given I want to check that a computer is not in the database When I search for a computer Then no computers are found | | | | | A message states that no computers are found and nothing is displayed | | |
| T004 | Update a Computer | Create 8 new computers ready to be updated with each field populated with values | Click on the computer name and update the fields that are marked as"update" in the Test Data table Click on save this computer Search for the updated computer Repeat for each computer | Given I want to update a Computer When I update a <Computer Name> with <Introduced Date> <Discontinued date> and <Company> Then the <Compute Name> is updated And I can search for the new <Computer Name> | Computer Name | Introduced date | Discontinued date | Company | Computer found and data successfully updated | Delete computers created | |
| | | | | | TestPC1 | 2001-01-01 | 2010-01-02 | Apple Inc. | | | |
| | | | | | update | update | update | update | | | |
| | | | | | update | update | 2010-01-02 | Apple Inc. | | | |
| | | | | | update | update | update | Apple Inc. | | | |
| | | | | | update | 2001-01-01 | update | Apple Inc. | | | |
| | | | | | update | 2001-01-01 | update | update | | | |
| | | | | | update | update | 2010-01-02 | update | | | |
| | | | | | update | 2001-01-01 | 2010-01-02 | update | | | |
| T005 | Delete a Computer | Create a new computer | Click on the computer name Click delete this computer | Given I want to delete a computer When I delete a computer Then the computer is deleted And the computers found has been decremented by 1 | | | | | Computer cannot be searched for | | |
| T006 | Field validation | Create a new computer | Click Add a new computer Fill in the details on the Add a computer page using the test data including invalid dates such as 2001-02-30 and 2003-04-31 Click create a computer | Given I want to add a new computer When I add a <Computer Name> with <Introduced Date> <Discontinued date> and <Company> Then I am alerted that the computer can not be added | Computer Name | Introduced date | Discontinued date | Company | The computer cannot be added | Delete computers created | |
| | | | | | blank | 2001-01-01 | 2010-01-02 | Apple Inc. | | | |
| | | | | | TestPC1 | 2001-02-30 | 2010-01-03 | Apple Inc. | | | |
| | | | | | TestPC2 | 2001-01-01 | 2003-04-31 | Apple Inc. | | | |
| | | | | | TestPC3 | %\$ | 2010-01-02 | Apple Inc. | | | |
| | | | | | TestPC4 | 2001-01-01 | af0f | Apple Inc. | | | |
| T007 | Cancel a computer | | Add a new computer and fill in all the fields but dont click create this computer Cancel the process | Given I want to add a new computer When I cancel the computer from being added Then the computer is not added | | | | | The computer is not added | | |
| T008 | Pagination | | Use the previous and next buttons to page through the database | Given I want to page through the database When I page from one page to the next Then the correct page is displayed | | | | | The next and previous buttons page to the next and previous pages of data | | |