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**Functional Test Cases**

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| **TC ID** | **Test Scenario** | **Steps** | **Expected Result** |
| TC\_01 | Page Load Performance | 1. Open the **List Page** in a browser. | Page should load within **X seconds**. |
| TC\_02 | Display of Records | 1. Navigate to the **List Page**. | All records should be displayed correctly. |
| TC\_03 | Sorting Functionality | 1. Click on the **sort button** for any column. | Records should be sorted in **ascending/descending order**. |
| TC\_04 | Pagination | 1. Navigate to **next/previous page** using pagination controls. | Page should switch correctly and display relevant data. |
| TC\_05 | Search Functionality | 1. Enter a **search query** in the search bar. | Relevant records should be filtered and displayed. |
| TC\_06 | Edit Record | 1. Click the **Edit** button for a record. 2. Modify details and save. | Updated data should be saved and displayed correctly. |
| TC\_07 | Delete Record | 1. Click the **Delete** button for a record. | Record should be removed from the list. |
| TC\_08 | No Data Handling | 1. Open the List Page when no records exist. | Page should display **"No records found"** message. |
| TC\_09 | Responsive UI | 1. Open the List Page on **mobile/tablet/desktop**. | Layout should be **responsive** across devices. |
| TC\_10 | Access Control | 1. Try to access the List Page without logging in. | User should be redirected to the **login page**. |

### ****Selenium Framework Code for List Page Testing****

from selenium import webdriver

from selenium.webdriver.common.by import By

from selenium.webdriver.common.keys import Keys

import time

def test\_page\_load():

driver = webdriver.Chrome()

driver.get("http://hotel-management-system.com/list")

time.sleep(2)

assert "List Page" in driver.title

driver.quit()

def test\_search\_functionality():

driver = webdriver.Chrome()

driver.get("http://hotel-management-system.com/list")

search\_box = driver.find\_element(By.ID, "search")

search\_box.send\_keys("Room 101")

search\_box.send\_keys(Keys.RETURN)

time.sleep(2)

assert "Room 101" in driver.page\_source

driver.quit()

def test\_pagination():

driver = webdriver.Chrome()

driver.get("http://hotel-management-system.com/list")

next\_button = driver.find\_element(By.ID, "nextPage")

next\_button.click()

time.sleep(2)

assert "Page 2" in driver.page\_source

driver.quit()

def test\_delete\_record():

driver = webdriver.Chrome()

driver.get("http://hotel-management-system.com/list")

delete\_button = driver.find\_element(By.ID, "delete\_1")

delete\_button.click()

time.sleep(2)

assert "Record deleted successfully" in driver.page\_source

driver.quit()

if \_\_name\_\_ == "\_\_main\_\_":

test\_page\_load()

test\_search\_functionality()

test\_pagination()

test\_delete\_record()