

## UI Automation - Automate HamroBazaar search using Java, Selenium, and the Page Object Model (POM) design pattern.

The project developed is supposed to accomplish following objectives:

1. Open Hamrobazar : <https://hamrobazaar.com/>
2. Search for '**Monitor**'
3. Make sure your selected Location is '**New Road**' (from the list of matching location options that appears please select – "**naya sadak newroad, New Road, Kathmandu**")
4. Ensure Location Radius to be '**5000m**'
5. Filter and collect response
6. Sort the obtained response by Low to High Price
7. Collect the details of top fifty items that appears after applying the above-mentioned filters in a new csv file – name it "**Search\_Result.csv**"
8. The csv file should hold 'Title of the product', 'Description of the product', 'Price of the product', 'Condition of the product', 'Ad posted date', 'Name of the seller'
9. Once the csv file is ready, display it in a tabular format
10. Provide a README.md file explaining how to set up the project, run the tests, and any other relevant information

## JMeter API Automation Task

You are expected to learn and prepare the JMeter script capable of performing following actions:

1. Send GET request to ('<https://jsonplaceholder.typicode.com>' GET Request Path: '**/todos**') Limit the result to **200** items by applying Query Parameter: **\_limit=5** (This limits the results to 5 items)
2. Verify the response code received for above GET Request
3. Save the response obtained from above GET Request in file named "**GET\_Response.json**"
4. Modify the content of the file in Step 3 – toggle/negate the value held for "**completed**" attribute (true to false and false to true) for all the **odd** "userId" and even "id" value
5. Store the modified content with a file name "**POST\_Request.json**"
6. Now Send POST request to ('<https://jsonplaceholder.typicode.com>' POST Request Path: '**/todos**' Content-type: 'application/json') using the content of Step 5
7. Validate the response code and the response content – need to make sure the POST Request response content matches the posted content

Note: You need to use JSON libraries in java and utilize the groovy scripts to achieve the above expectations making sure no manual effort is employed during above action sequence. Please make sure you parameterize the values to be used in the script.