# Lab 6 – Load Testing

CS296N, Web Development 2: ASP.NET

## Objectives

Get practice:

- Creating a JMeter test plan
- Running a JMeter test
- Viewing results
  - Creating a report
  - Creating a graph

## Instructions

1. Download the JMeter app from [https://jmeter.apache.org](https://jmeter.apache.org) and unzip it.
2. Create a test script.
   - Record a test script using JMeter as a proxy.
     - Include logging in and logging out.
     - Open each page of your web site.
     - Do a search, if your site supports searching.
   - Modify the test script to manage the antiforgery token on the login page.
   - Add listeners for:
     - A summary report.
     - A graph report.
   - Validate the script to ensure there are no response errors.
3. Run the test.
   - Target your online web site.
   - Set the Thread Group parameters so that your web site is fairly heavily loaded (100 or more users, 10 or more loops).
4. View the test results.
   - View the summary report and take a screen-shot
   - View the graph and take a screen-shot

## Submission to Git and Moodle

There is no beta version required for this lab assignment.

<u>Production Version</u>

1. Put your test script in an appropriate folder in your repository and commit it to a branch named lab6-master.

2. Put the screen shots of your reports in a document and along with the URL of your lab6-master branch. Upload the document to Moodle.