**Advanced Testing Exercise Book**

Performance Testing Using JMeter

## Basic

As an introduction we will be writing performance tests for the OMDB API.

Create a test that simulates 10 users searching for a particular film by its Title. Add a results tree listener to this test.

Create a test that simulates 100 users searching for a particular film by its Title, this should occur over a ramp-up time of 5 seconds. Add an Aggregate Report to this test.

Create a test that simulates 1000 users searching for a particular film by its Title, include a ramp up time of your choosing and assert that each request is successful. Add an Aggregate Graph to this test.

Using the jpgc standard set, create a Stepping Thread Group that tests 100 threads, adding 10 threads every 10 seconds, check the response time and TpS.

## Intermediate

Following this, plan and create a full Performance test suite for the HotelController, including a Smoke Test, Spike Test and a Load Test. The test suite should include assertions and graphs.