# **API Testing Project**

REST API Automation & Performance Testing

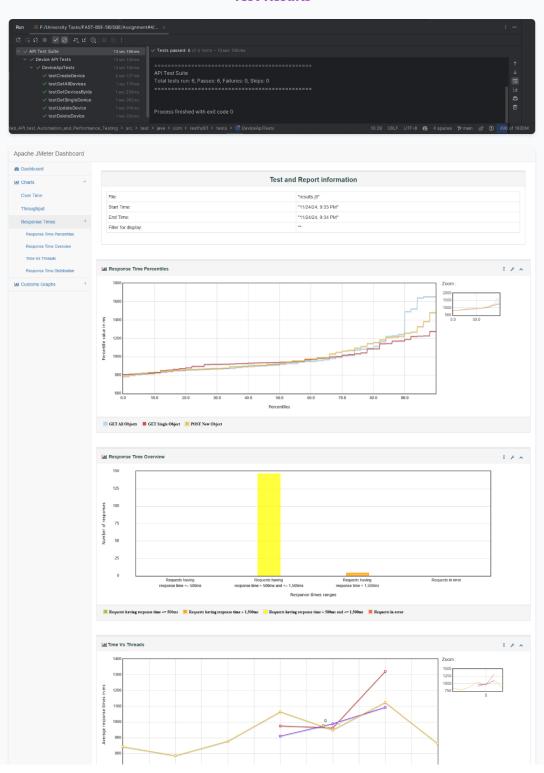
#### **Functional Testing**

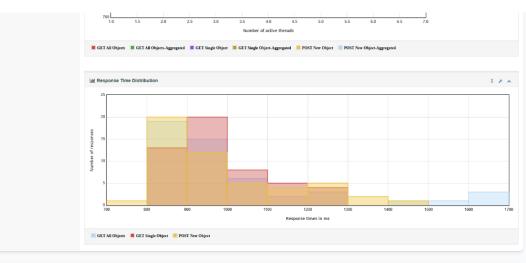
- REST Assured Framework
- TestNG Integration
- CRUD Operations Testing
- JSON Response Validation

#### **Performance Testing**

- Apache JMeter Implementation
- Load Testing Scenarios
- Performance Metrics
- HTML Reports Generation

## **Test Results**









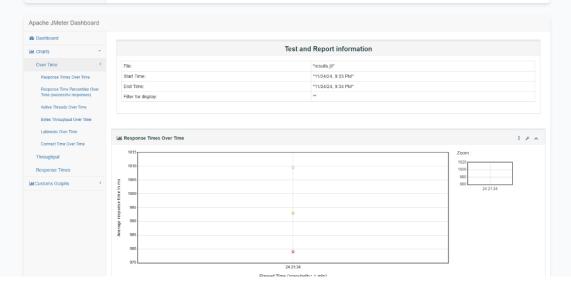




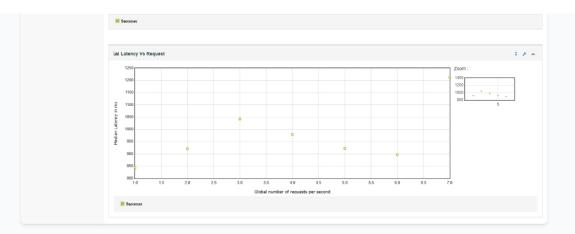
Statistics															
Requests Executions							Response Tim	Throughput		Network (KB/sec)					
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GET Single Object	50	0	0.00%	979.02	807	1278	941.50	1189.20	1227.35	1278.00	1.69	1	1.63	0	).26
POST New Object	50	0	0.00%	993.10	787	1484	927.00	1256.60	1356.65	1484.00	1.70	1	1.67	0	).61

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Errors







# **Technology Stack**









# **Project Structure**

# **Running Load Tests**

## **Prerequisites**

- Apache JMeter installed
- Java 8 or higher
- Project structure set up

## **Command Execution**

```
jmeter -n ^
-t scripts/RestfulAPI_TestPlan.jmx ^
-l results/raw/results.jtl ^
-e -o results/reports/HTMLReport ^
-jimeter.save.saveservice.output_format=xml ^
-Jimeter.save.saveservice.response_data=true ^
-Jimeter.save.saveservice.samplerData=true ^
```

cd "your-project-path\load-testing"

#### Key Parameters

- -n : Non-GUI mode
- -t : Test plan location
- -1 : Results file
- -e : Generate report

#### Expected Output

- ✓ Test execution summary
- ✓ Performance metrics
- ✓ HTML dashboard
- ✓ Detailed logs

# **About Developer**



## Anas Altaf

Software Quality Engineer





Passionate about software quality and test automation. Specialized in REST API testing and performance engineering with extensive experience in modern testing frameworks.



