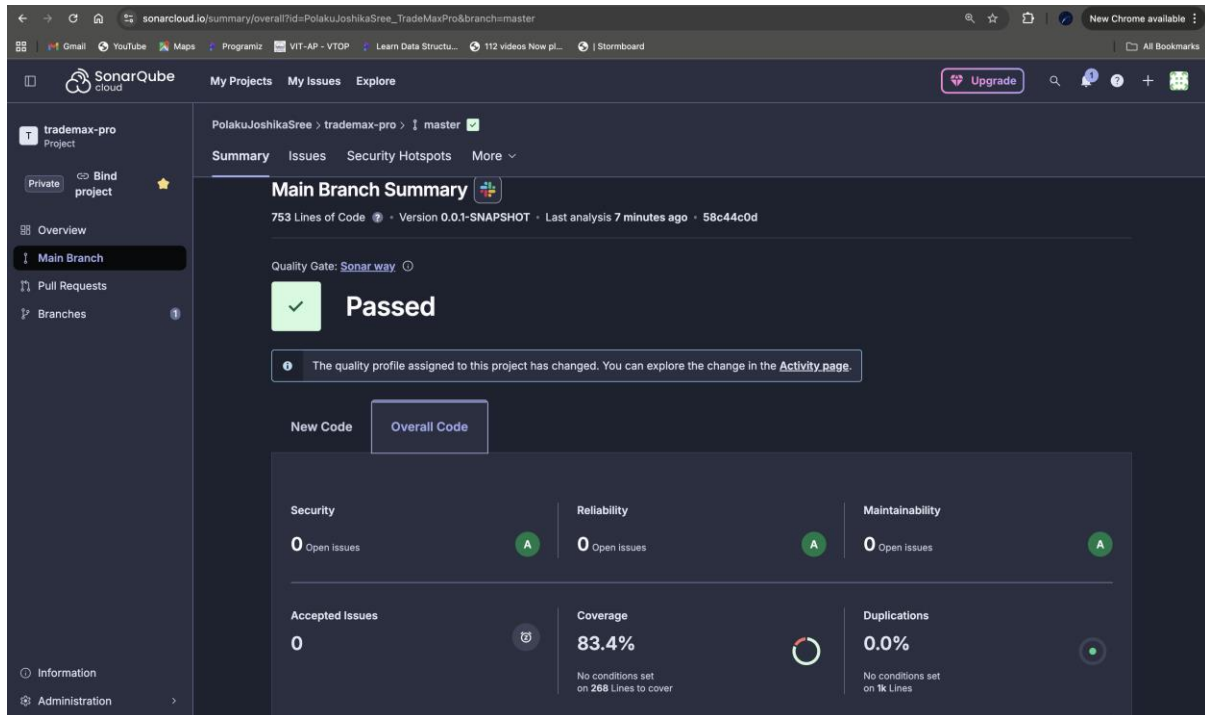


Important Screenshots of the Assignment:

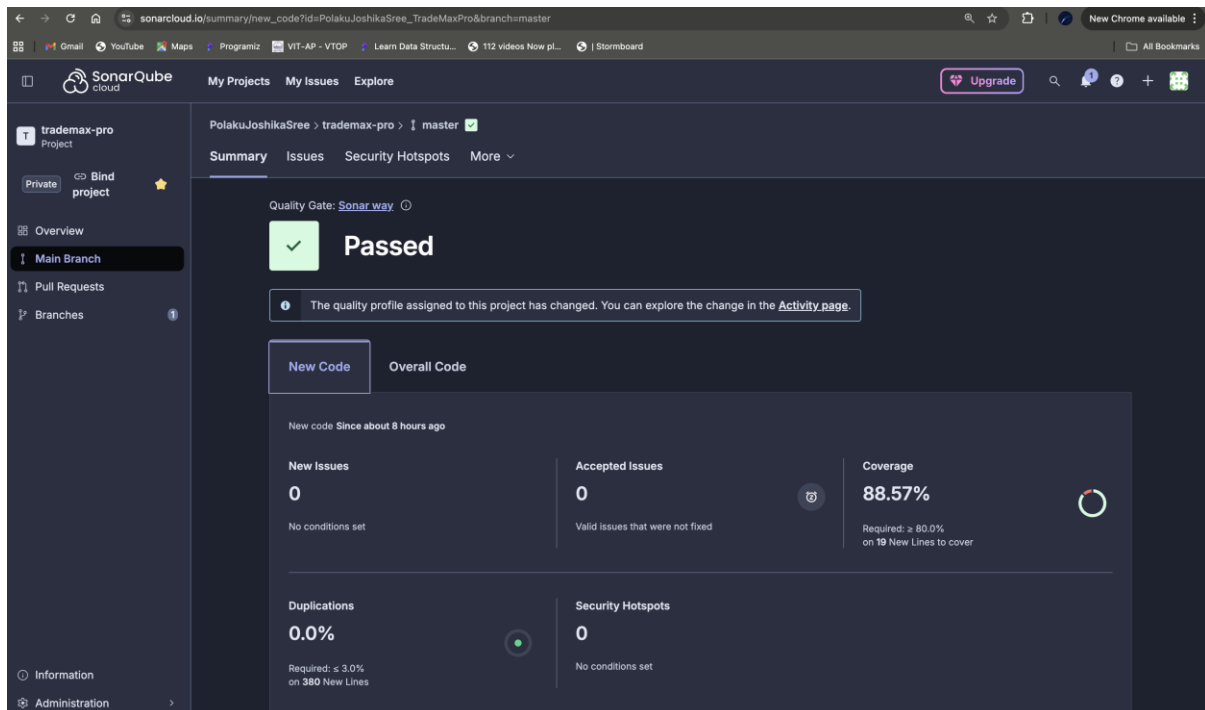
SonarQube Analysis:(Overall Code)



This screenshot shows the SonarQube interface for the 'trademax-pro' project, specifically the 'Main Branch Summary' for the 'master' branch. The analysis is marked as 'Passed' with a green checkmark. The summary indicates 753 Lines of Code, Version 0.0.1-SNAPSHOT, and a last analysis time of 7 minutes ago. A message states: 'The quality profile assigned to this project has changed. You can explore the change in the Activity page.' The 'New Code' tab is selected, showing metrics for Security (0 Open Issues), Reliability (0 Open Issues), Maintainability (0 Open Issues), Accepted Issues (0), Coverage (83.4% with a note 'No conditions set on 268 Lines to cover'), and Duplications (0.0% with a note 'No conditions set on 1% Lines').

Metric	Value	Details
Security	0 Open Issues	Green A
Reliability	0 Open Issues	Green A
Maintainability	0 Open Issues	Green A
Accepted Issues	0	Green A
Coverage	83.4%	No conditions set on 268 Lines to cover
Duplications	0.0%	No conditions set on 1% Lines

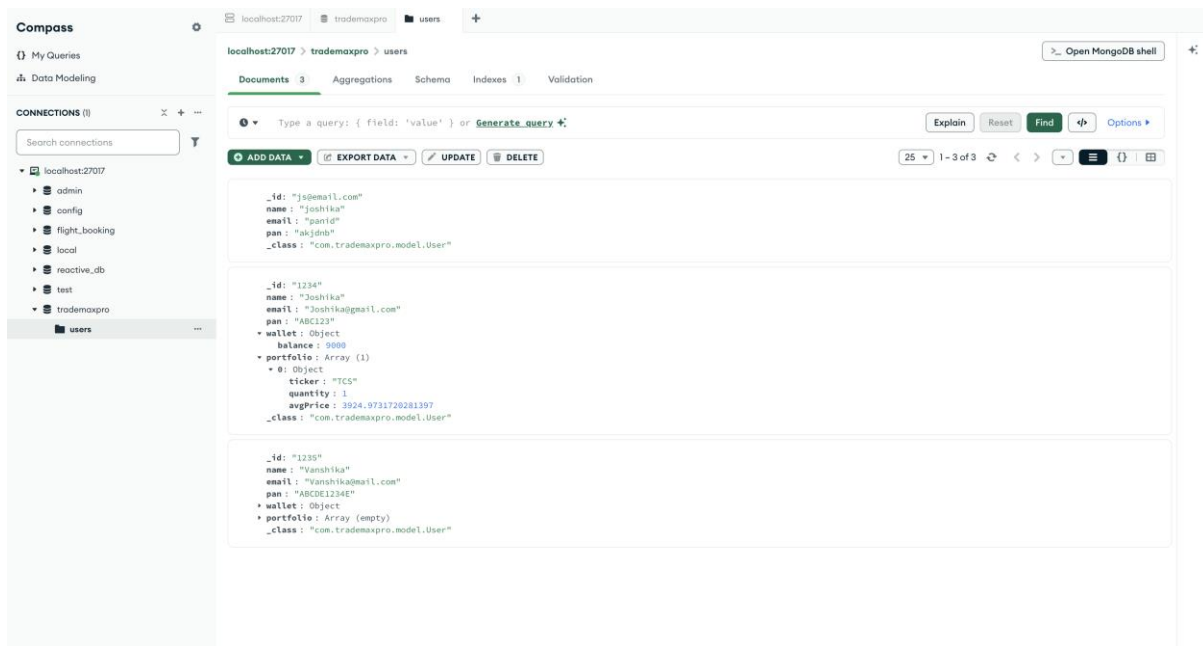
SonarQube Analysis:(New Code)



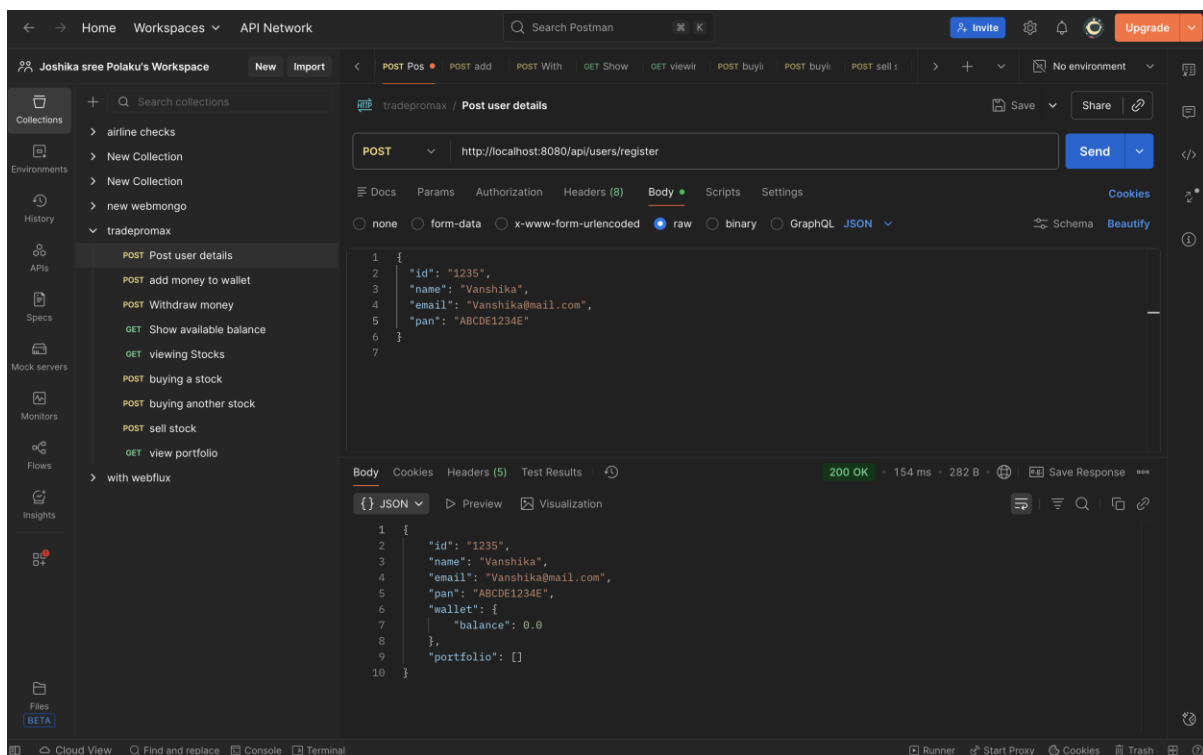
This screenshot shows the SonarQube interface for the 'trademax-pro' project, specifically the 'New Code' analysis summary for the 'master' branch. The analysis is marked as 'Passed' with a green checkmark. A message states: 'The quality profile assigned to this project has changed. You can explore the change in the Activity page.' The 'New Code' tab is selected, showing metrics for New Issues (0, with a note 'No conditions set'), Accepted Issues (0, with a note 'Valid issues that were not fixed'), Coverage (88.57% with a note 'Required: ≥ 80.0% on 19 New Lines to cover'), Duplications (0.0% with a note 'Required: ≤ 3.0% on 380 New Lines'), and Security Hotspots (0, with a note 'No conditions set').

Metric	Value	Details
New Issues	0	No conditions set
Accepted Issues	0	Valid issues that were not fixed
Coverage	88.57%	Required: ≥ 80.0% on 19 New Lines to cover
Duplications	0.0%	Required: ≤ 3.0% on 380 New Lines
Security Hotspots	0	No conditions set

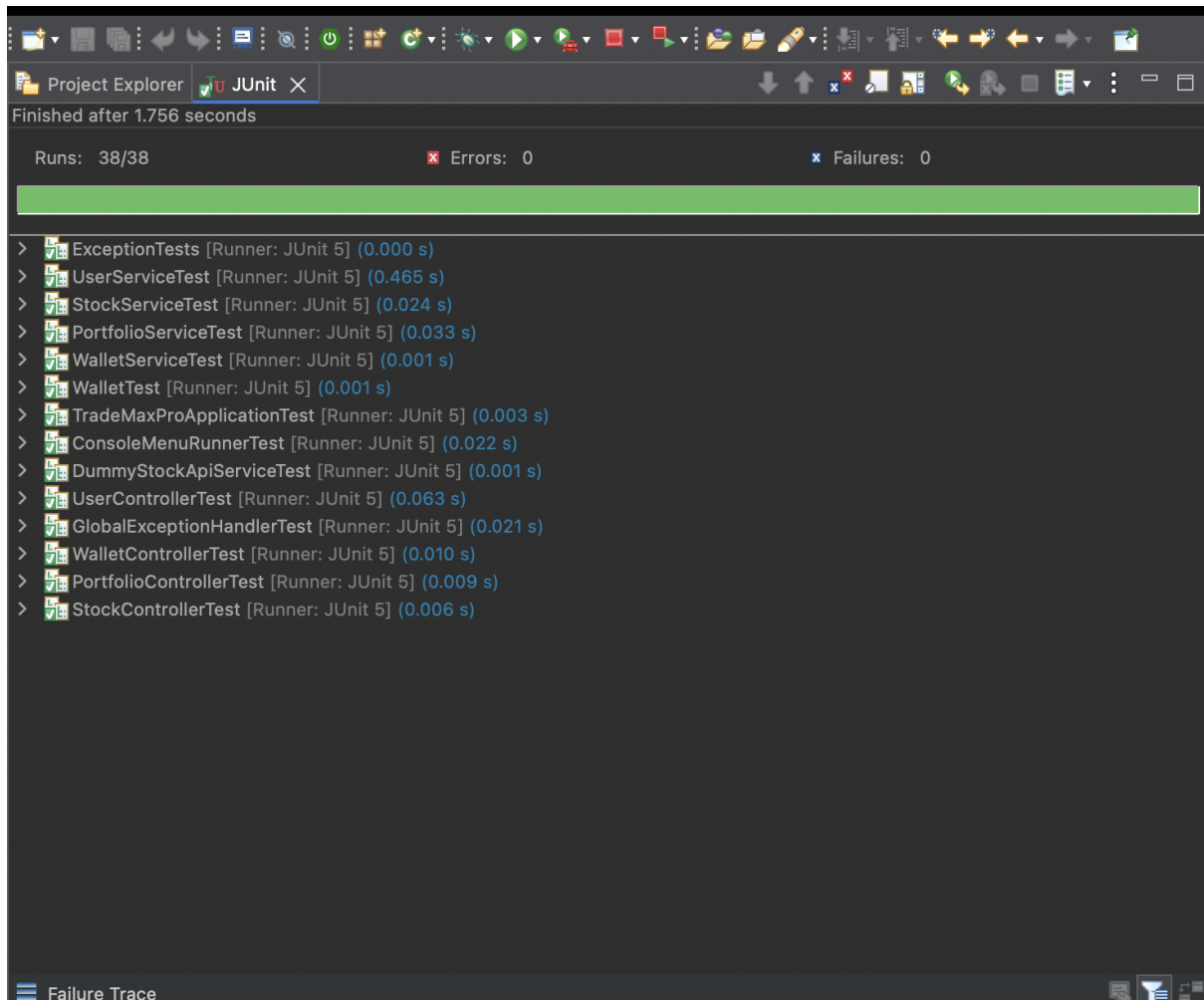
MongoDB:



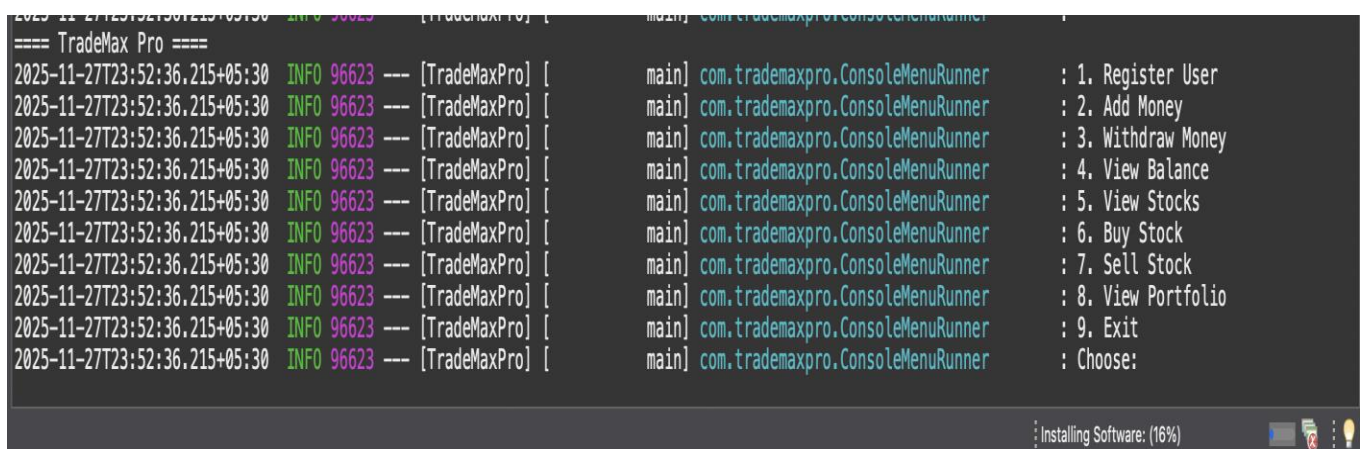
Postman :(all the requests here are working)



JUnit Testing:

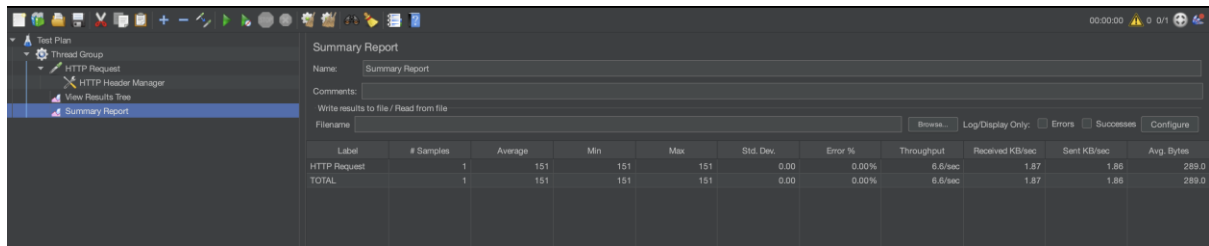


Springboot output:



JMeter:

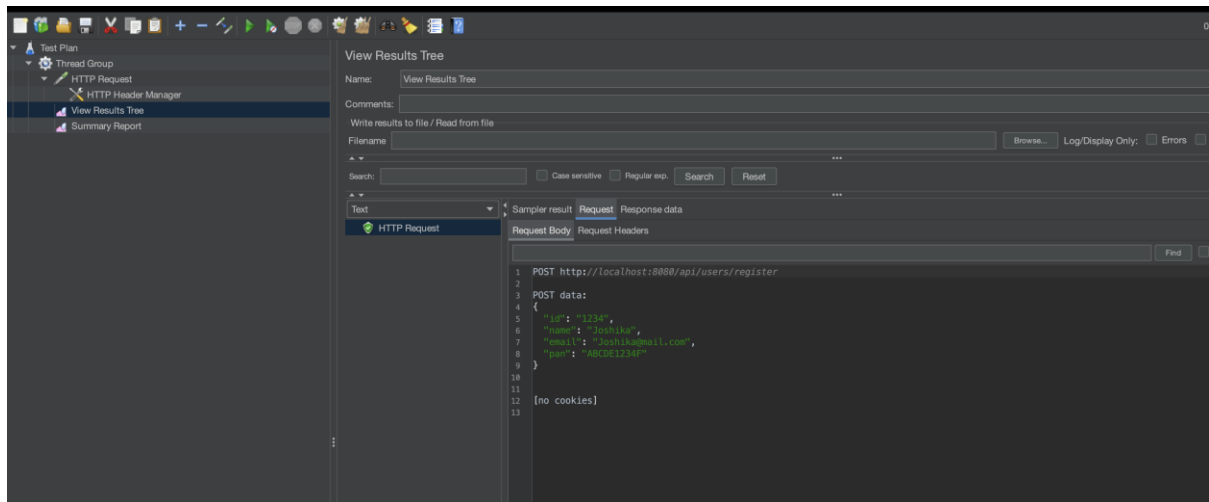
SUMMARY REPORT for post request to register user



The screenshot shows the JMeter Summary Report for an HTTP Request. The report includes a table with the following data:

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
HTTP Request	1	151	151	151	0.00	0.00%	6.6/sec	1.87	1.86	289.0
TOTAL	1	151	151	151	0.00	0.00%	6.6/sec	1.87	1.86	289.0

View result tree:



After disabling Post request and sending a Get request:

