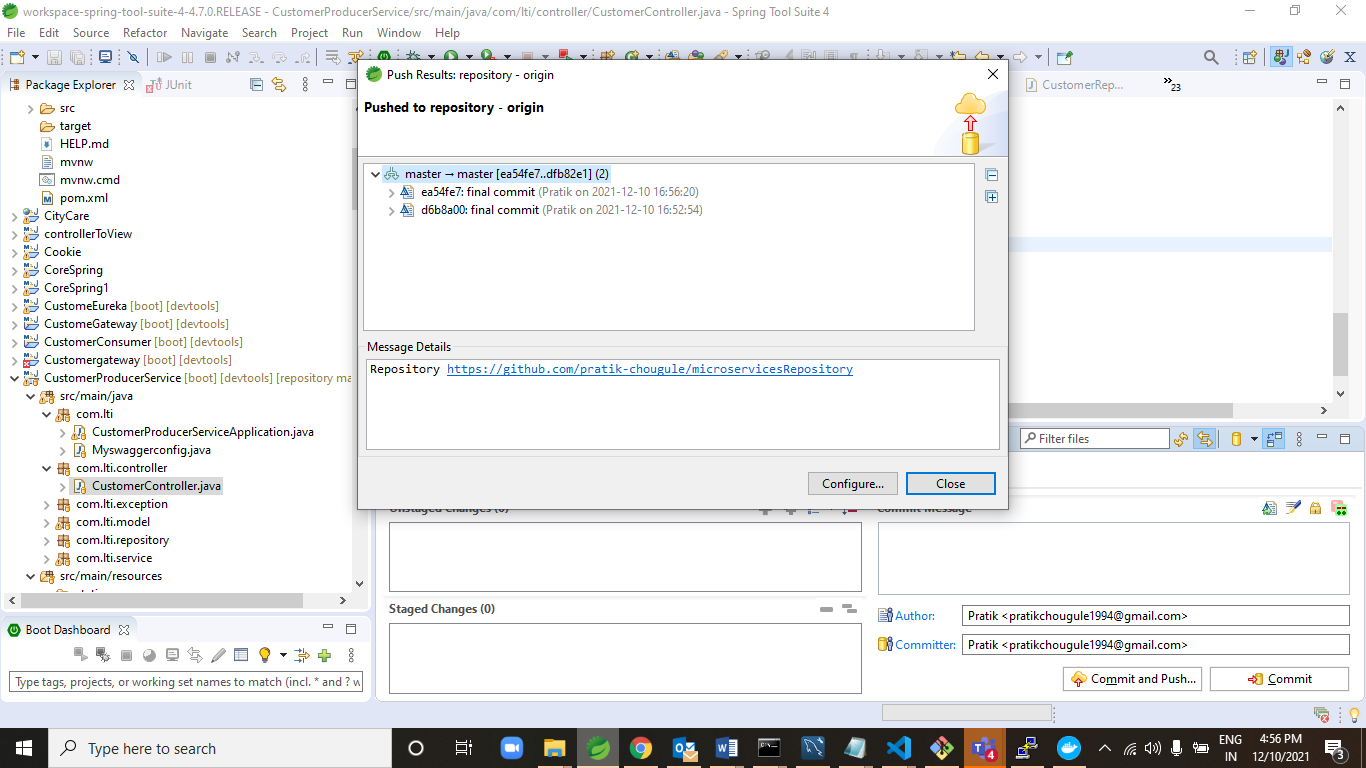
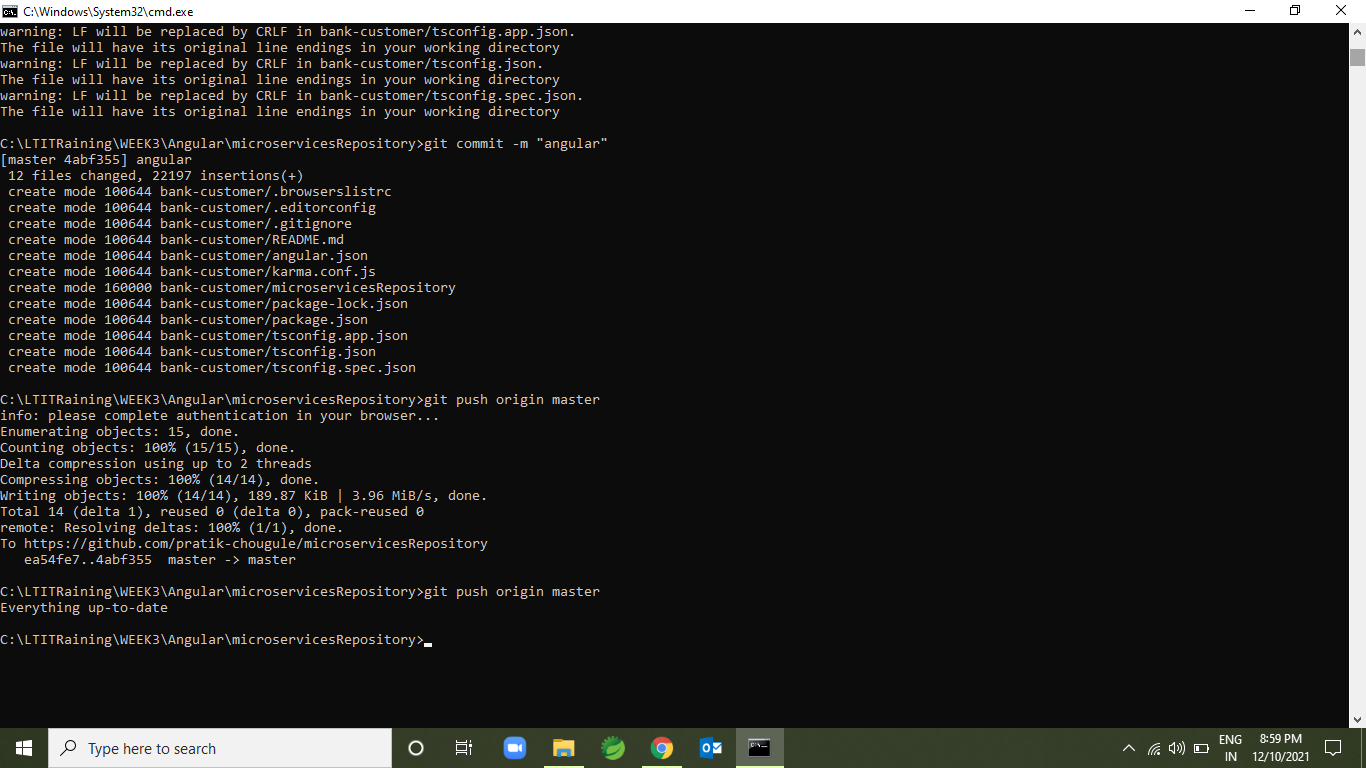
**Week 4 and Final Assessment Devops(Maven,Junit, Git,Sonarqube,Docker,Jenkins) implementation for Microservice Customer Producer application**

1. Push the code through IDE (STS or Eclipse) into github remote repository backend.

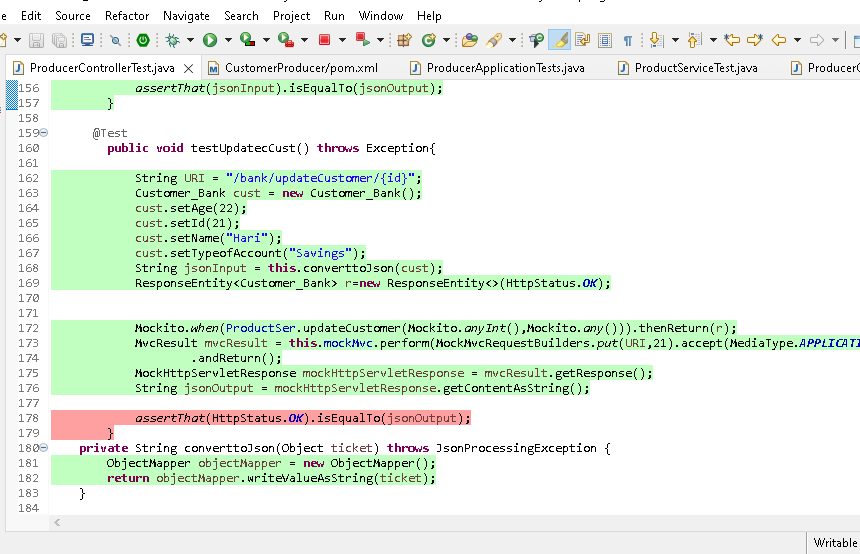
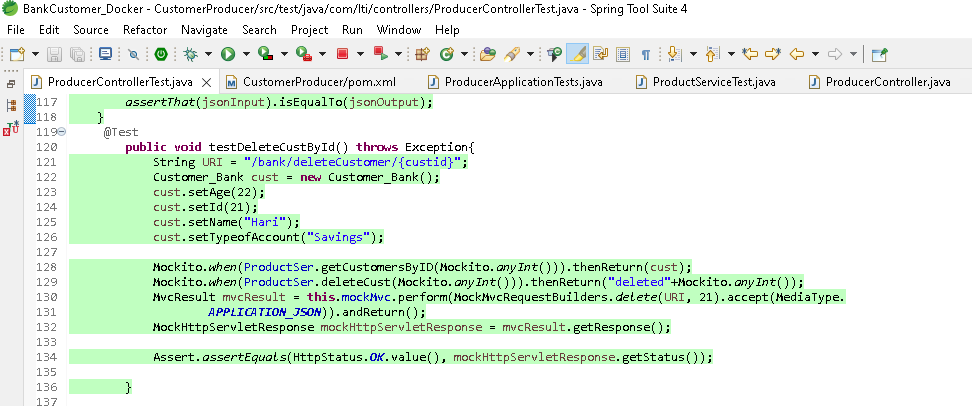
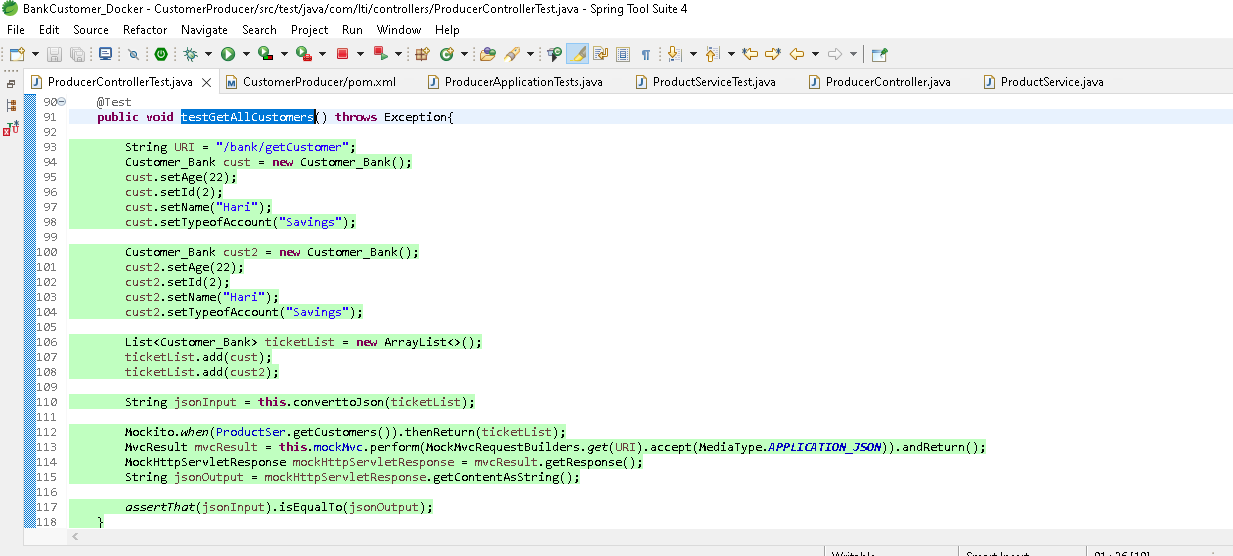
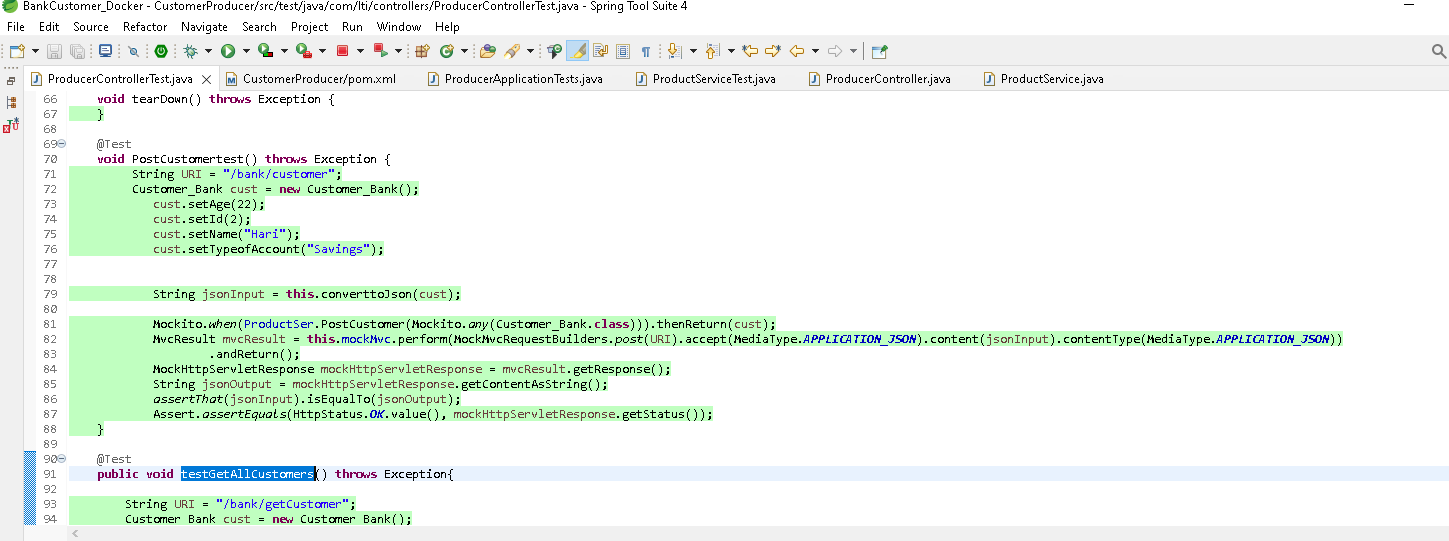
URL for git: <https://github.com/pratik-chougule/microservicesRepository>



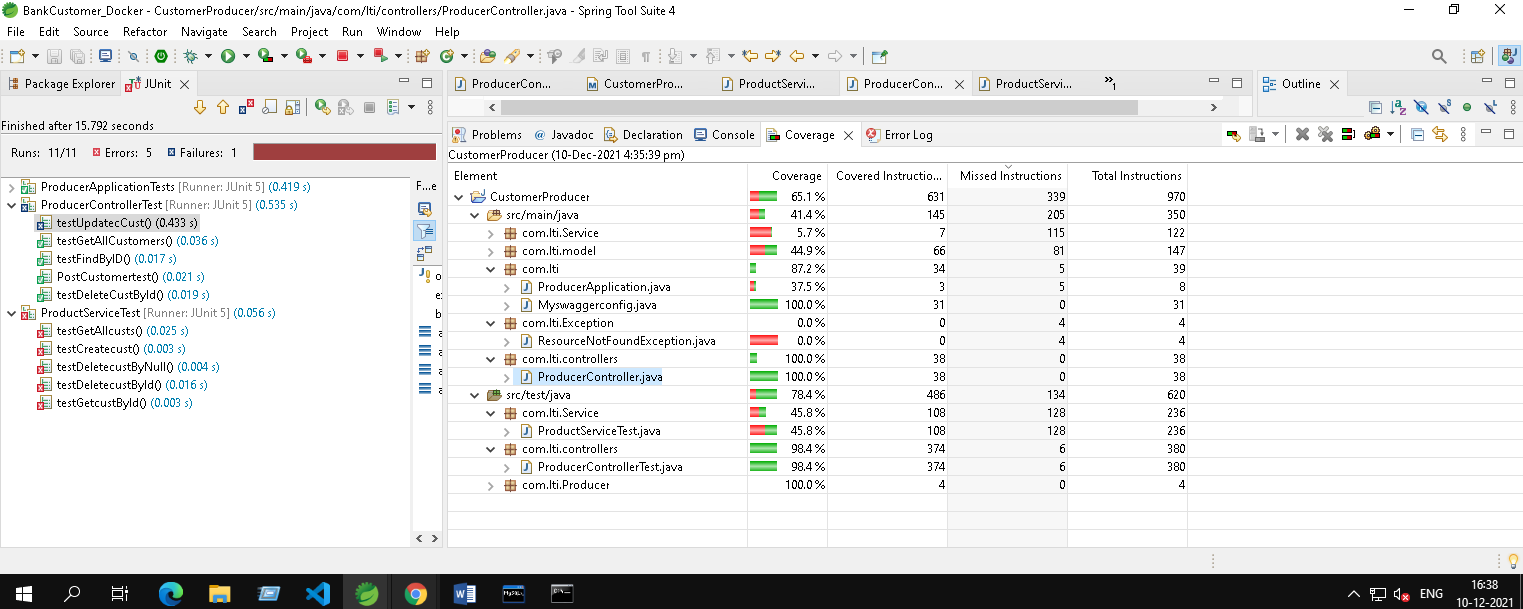
1. Push Frontend code also into git command line

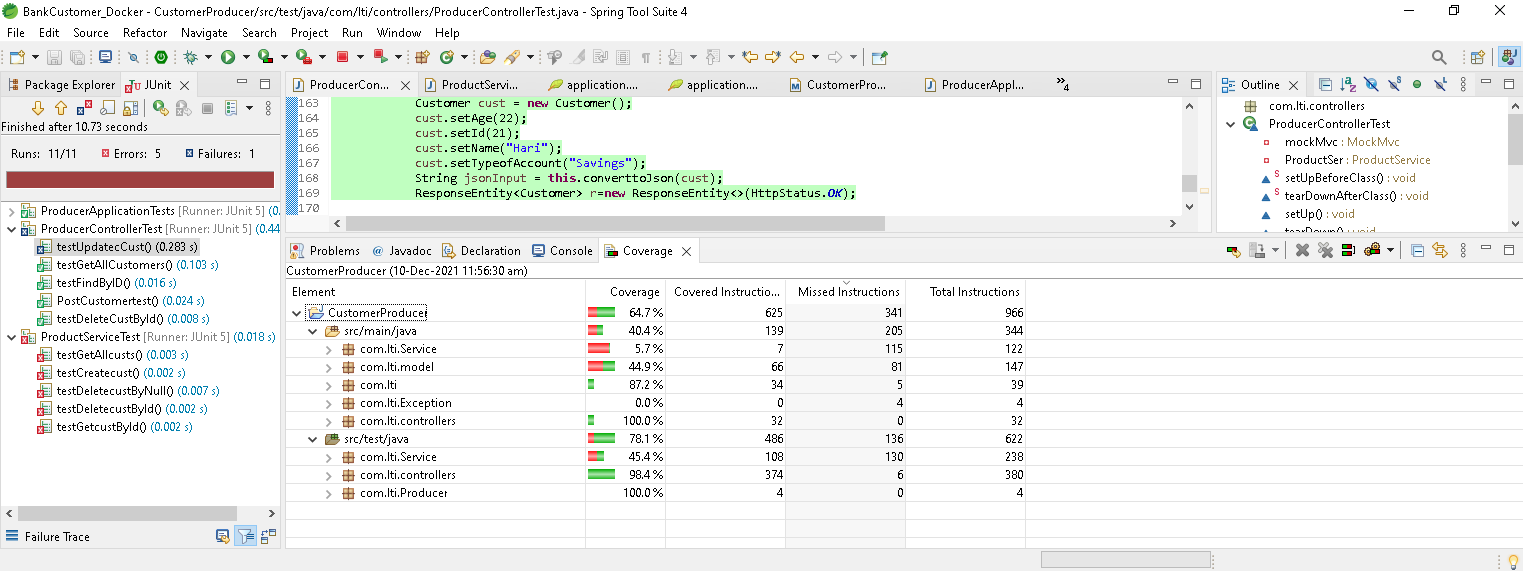


1. Run the possible number of Junit test case ( positive+ negative )- screenshots required

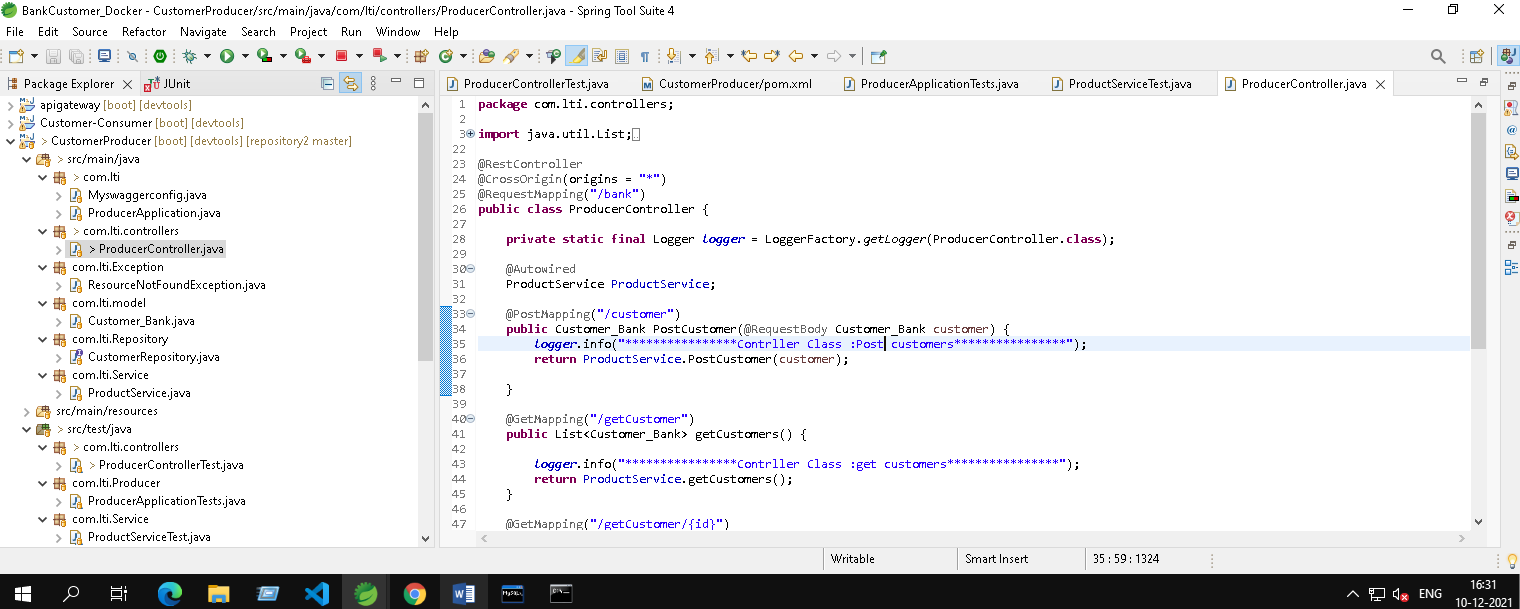
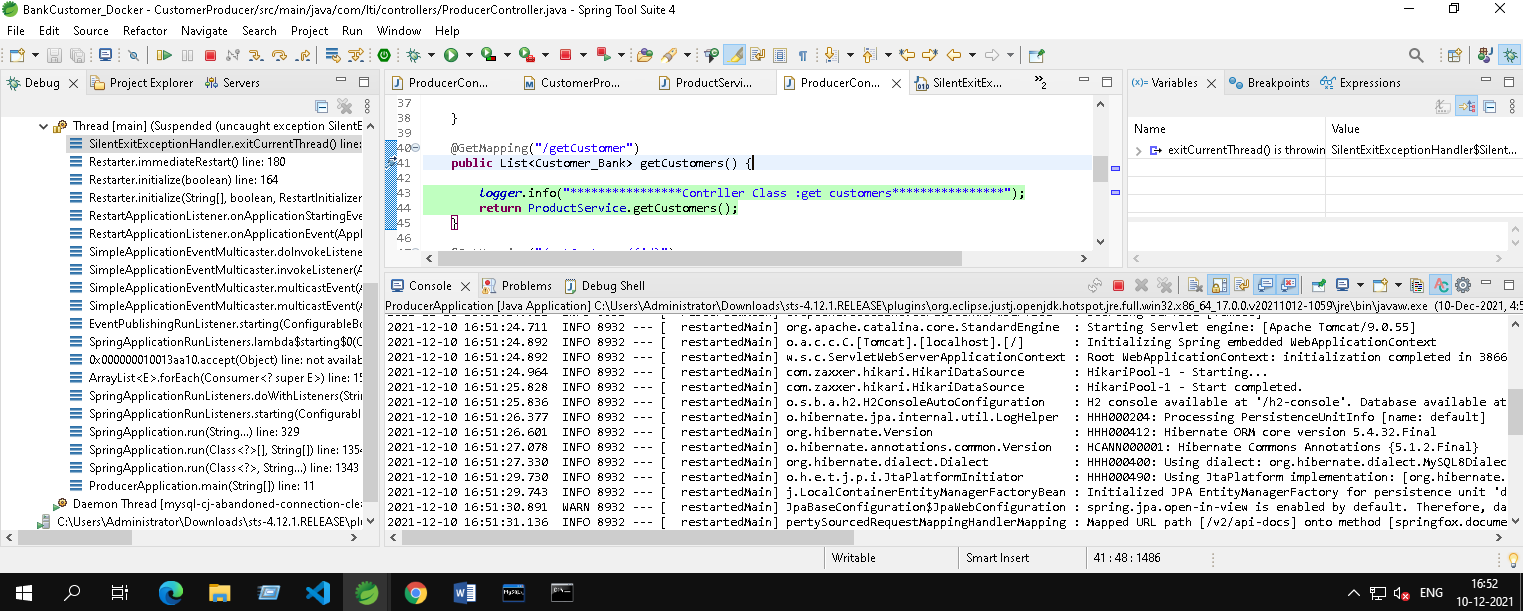
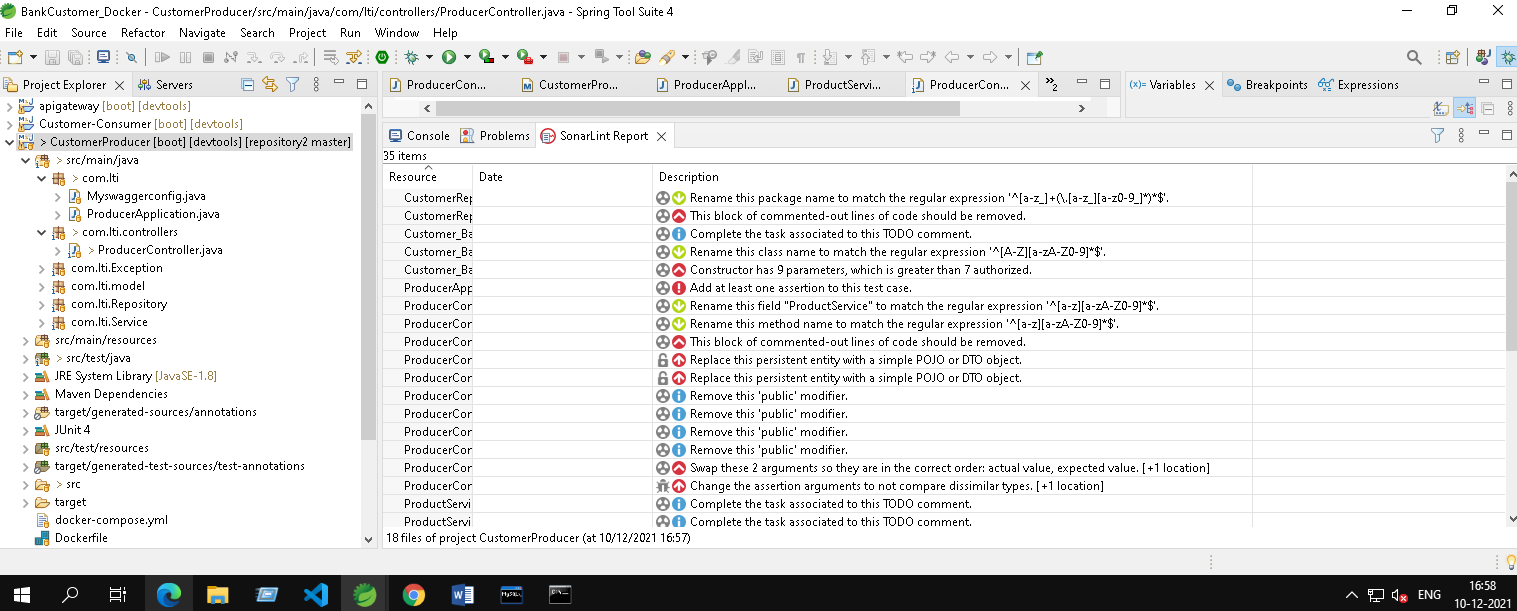
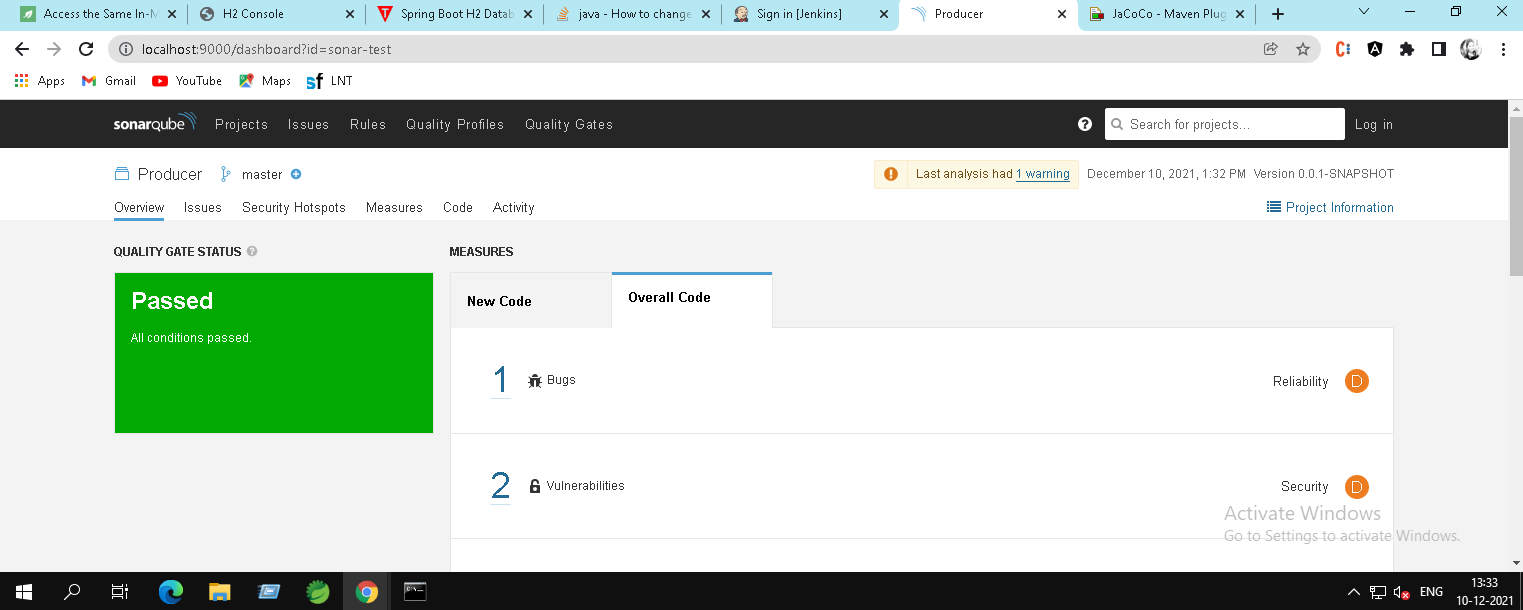
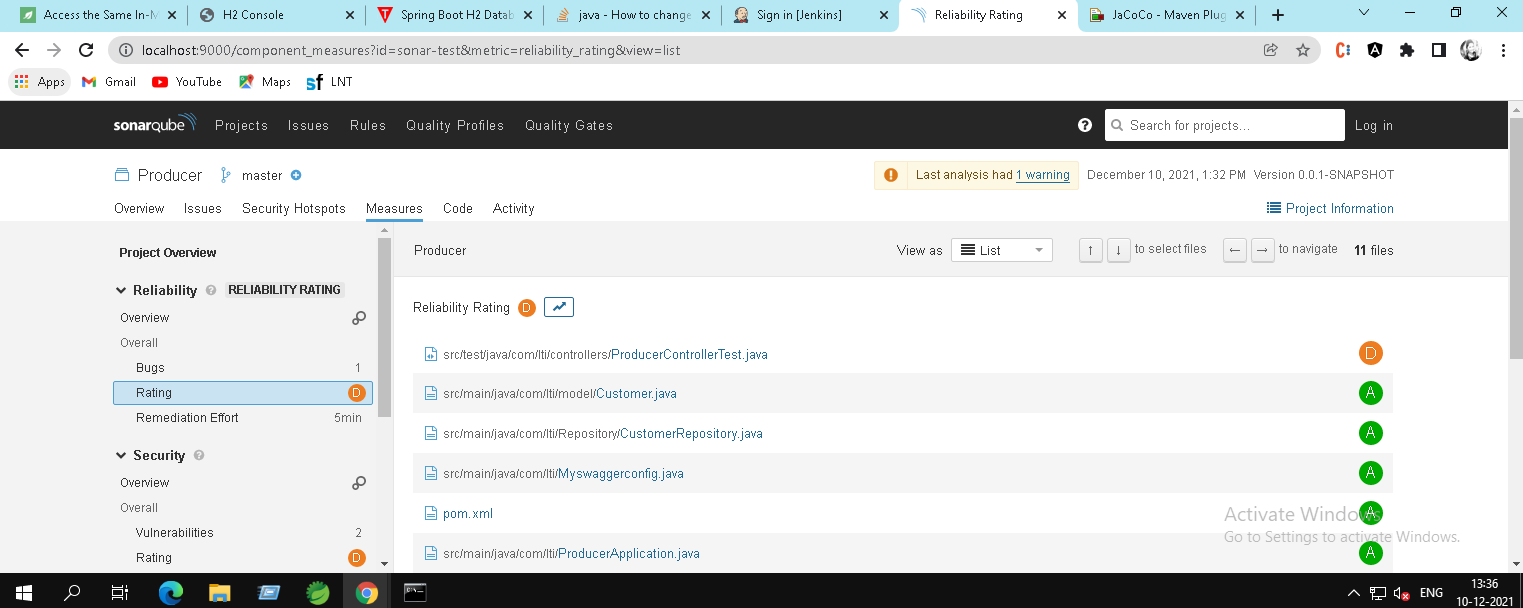


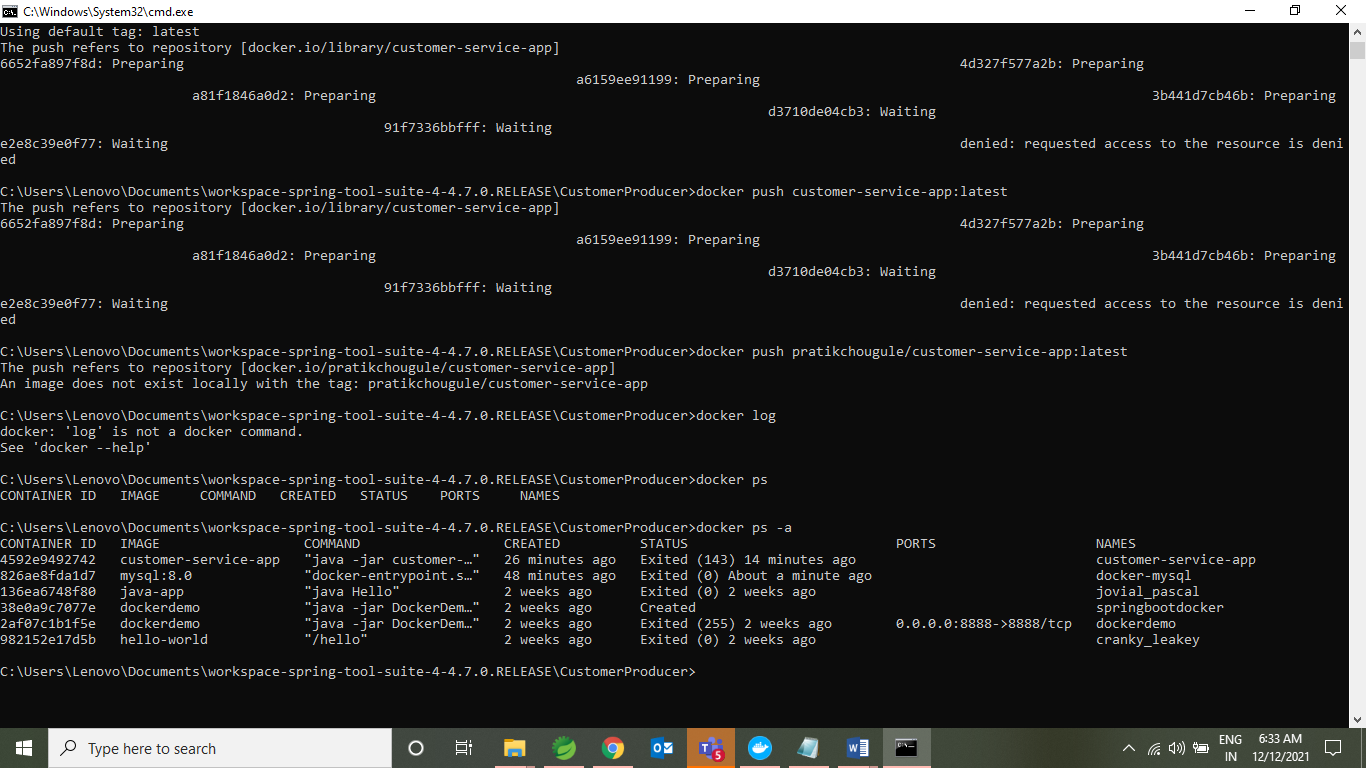
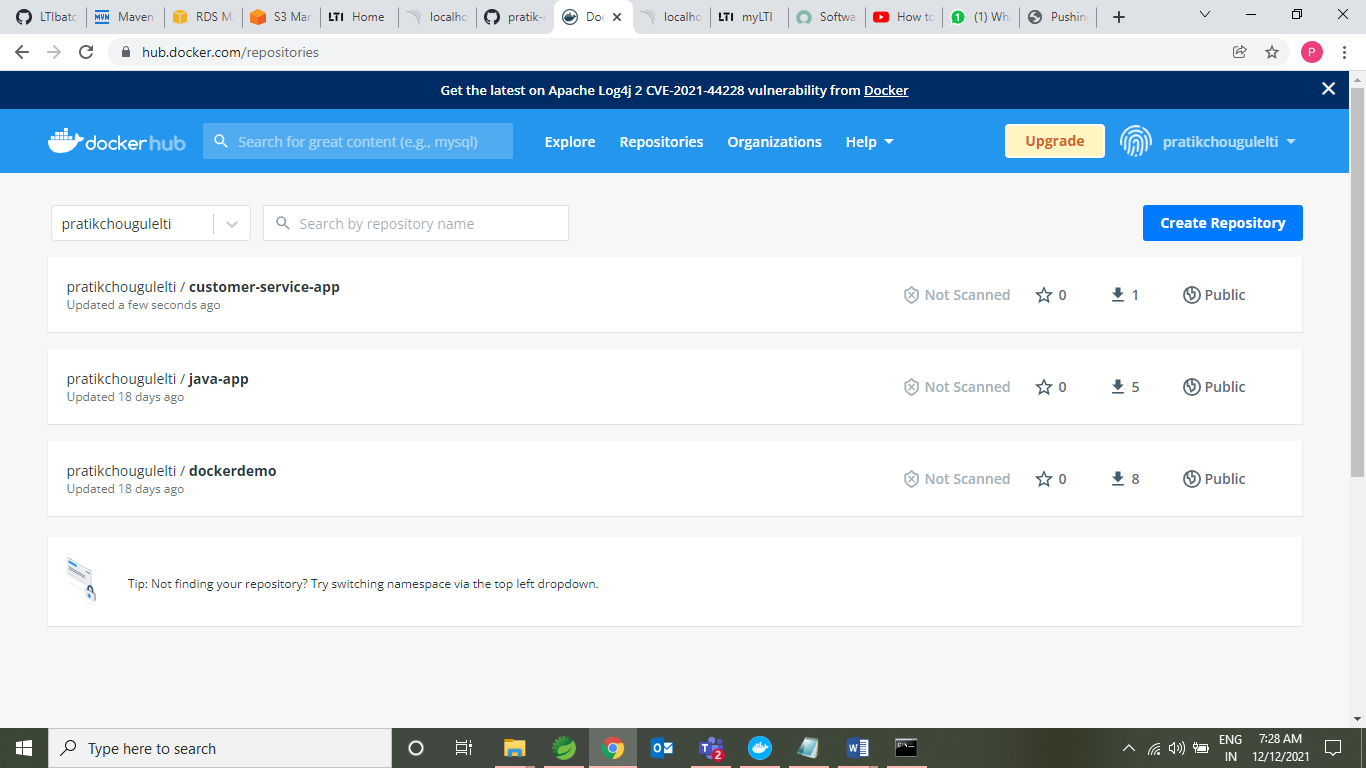
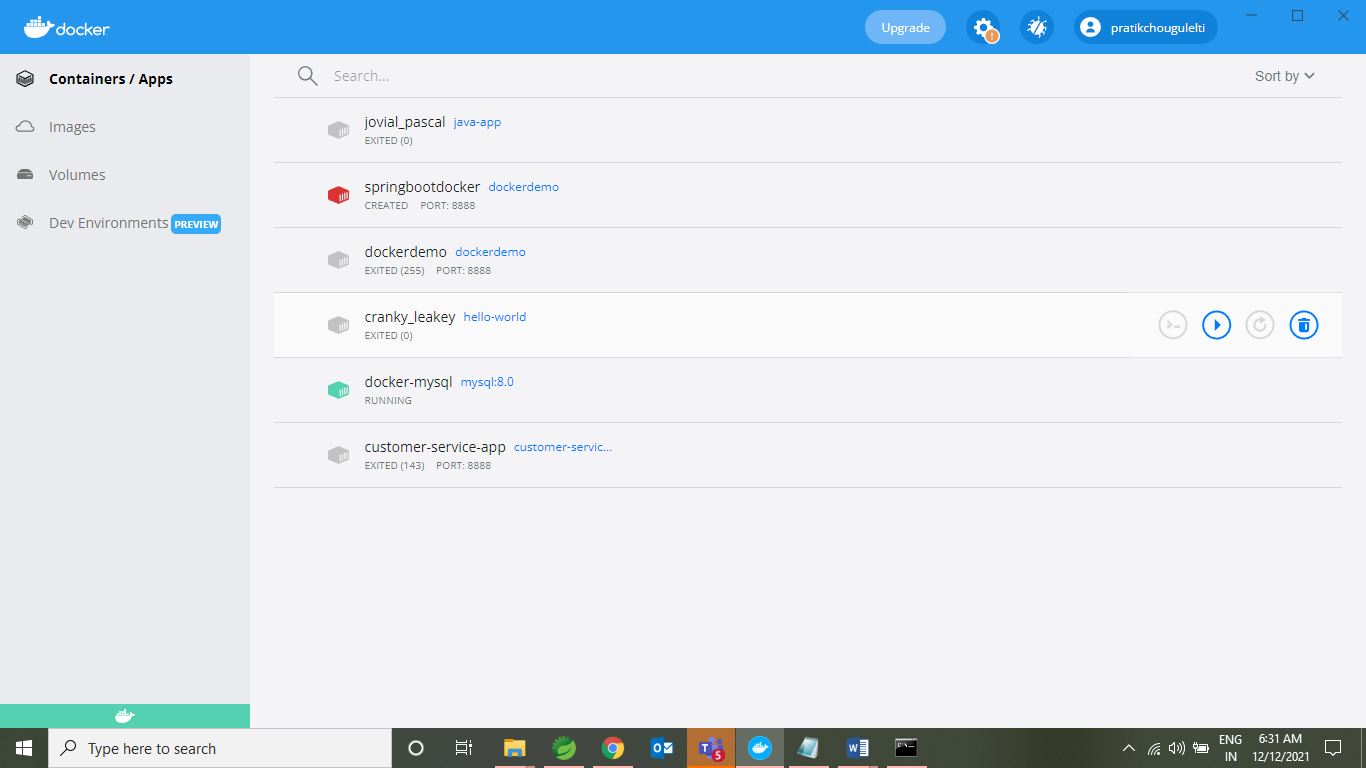
1. Jacoco test coverage in STS - screenshots required-optional

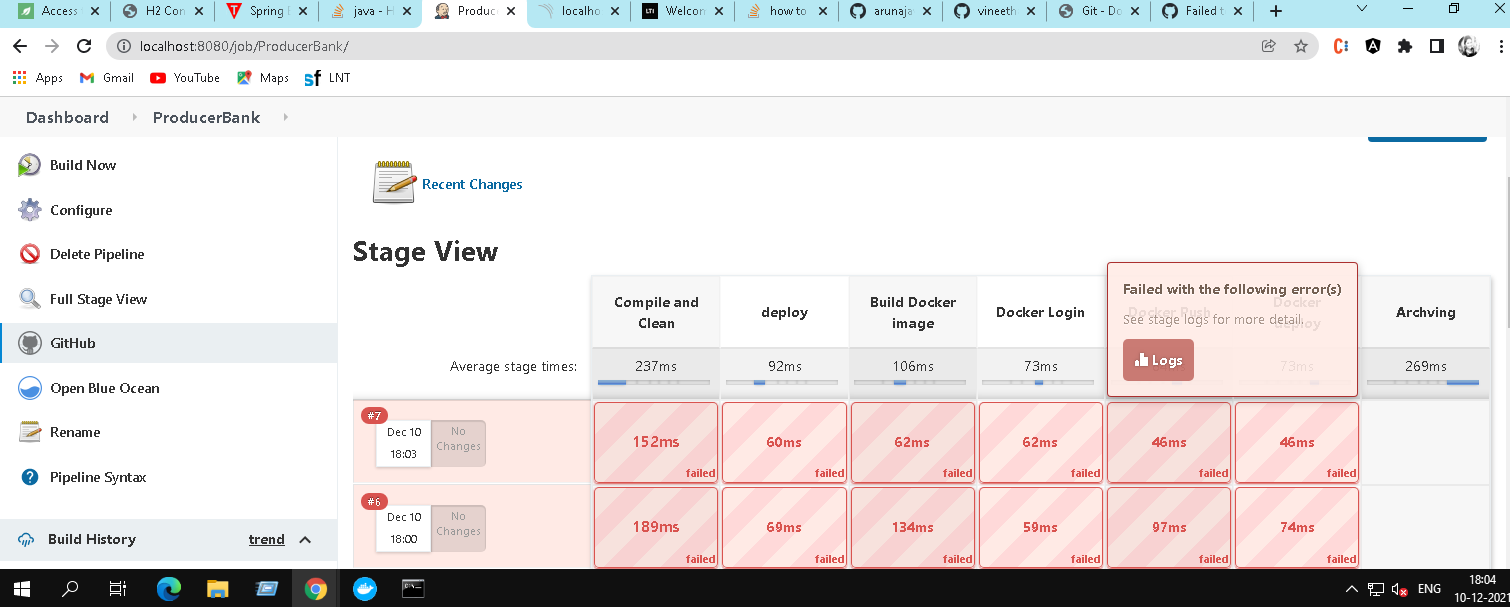




**Devops**

1. Loggers( Log4j or Logback) and be implemented for all the backend java classes
2. Debugging can be done with screenshot
3. Code quality can be checked for backend code-SonlarLint /Checkstyle -screenshots required
4. Project can be imported in Sonarqube for bugs and vulnerabilities- screenshots required
5. Create Maven build-mvn clean install
6. Docker image and container creation and deployment in Dockerhub - screenshots required

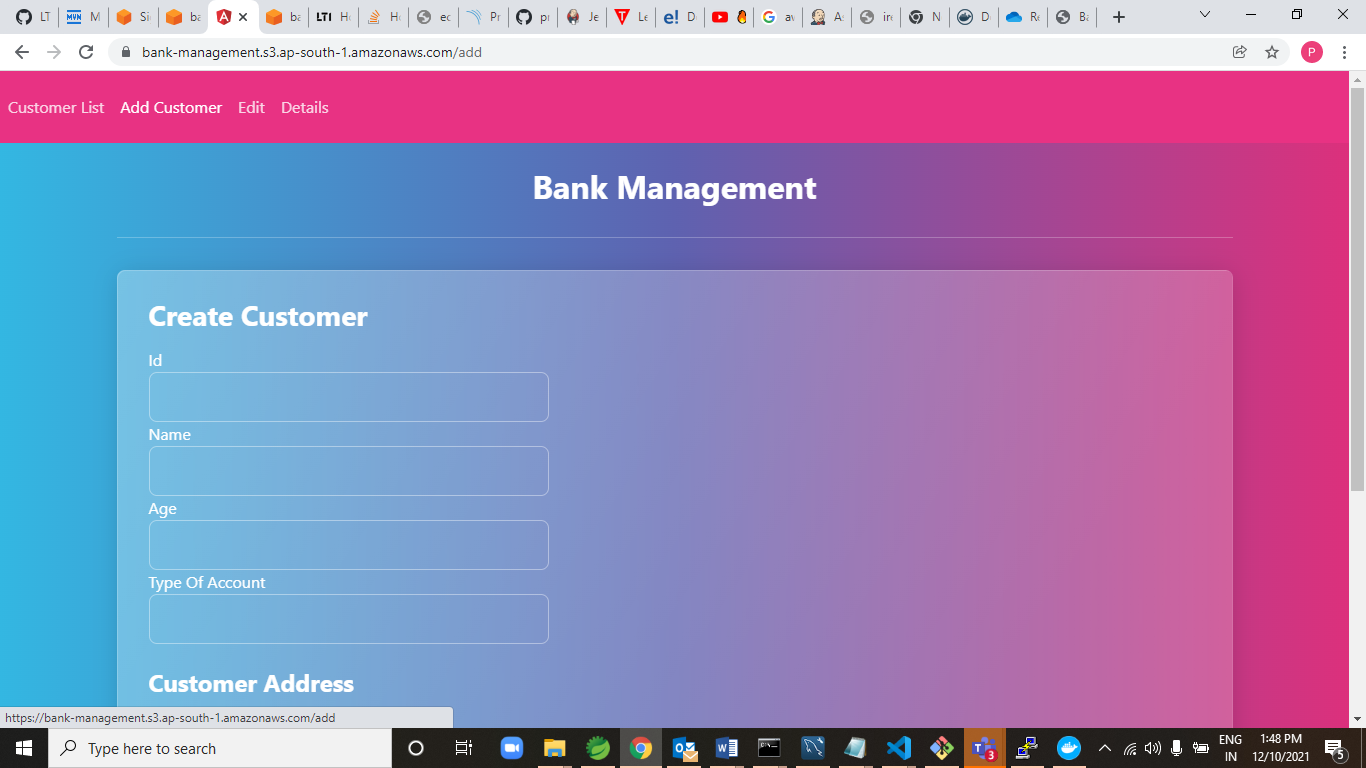


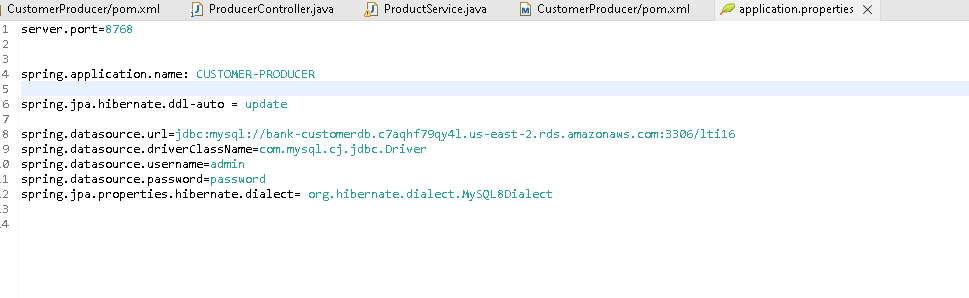
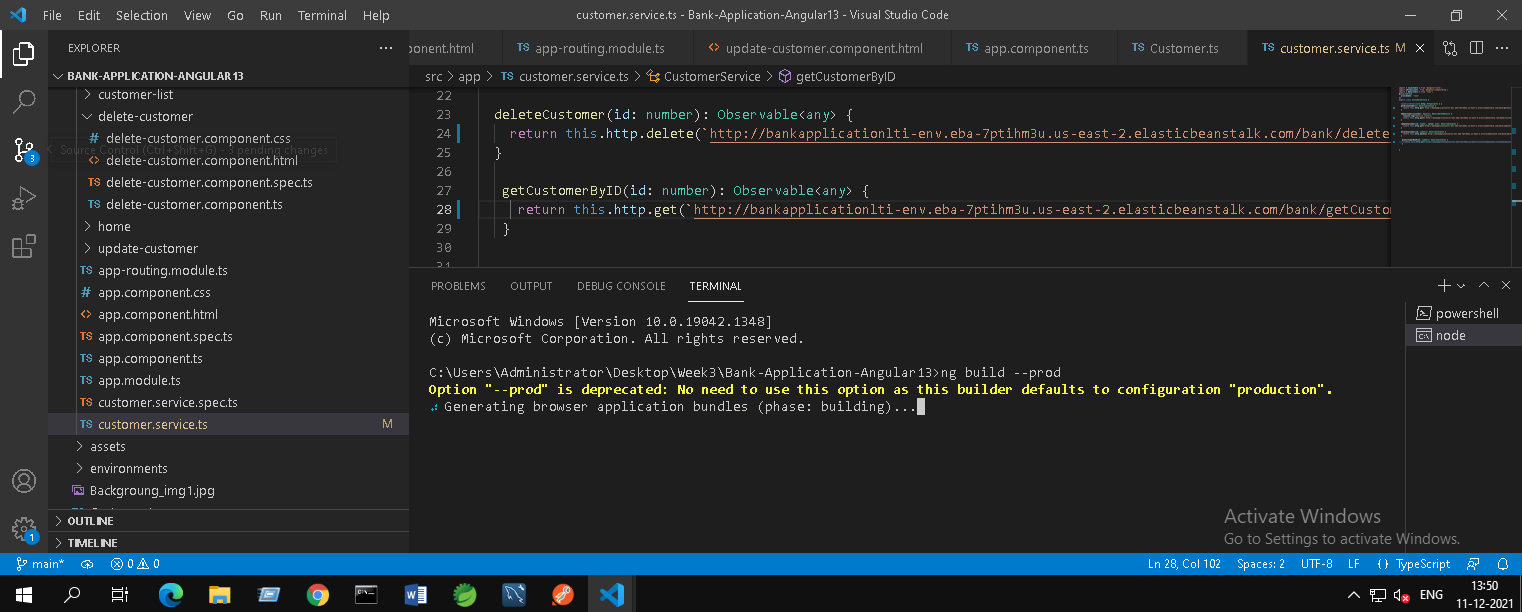
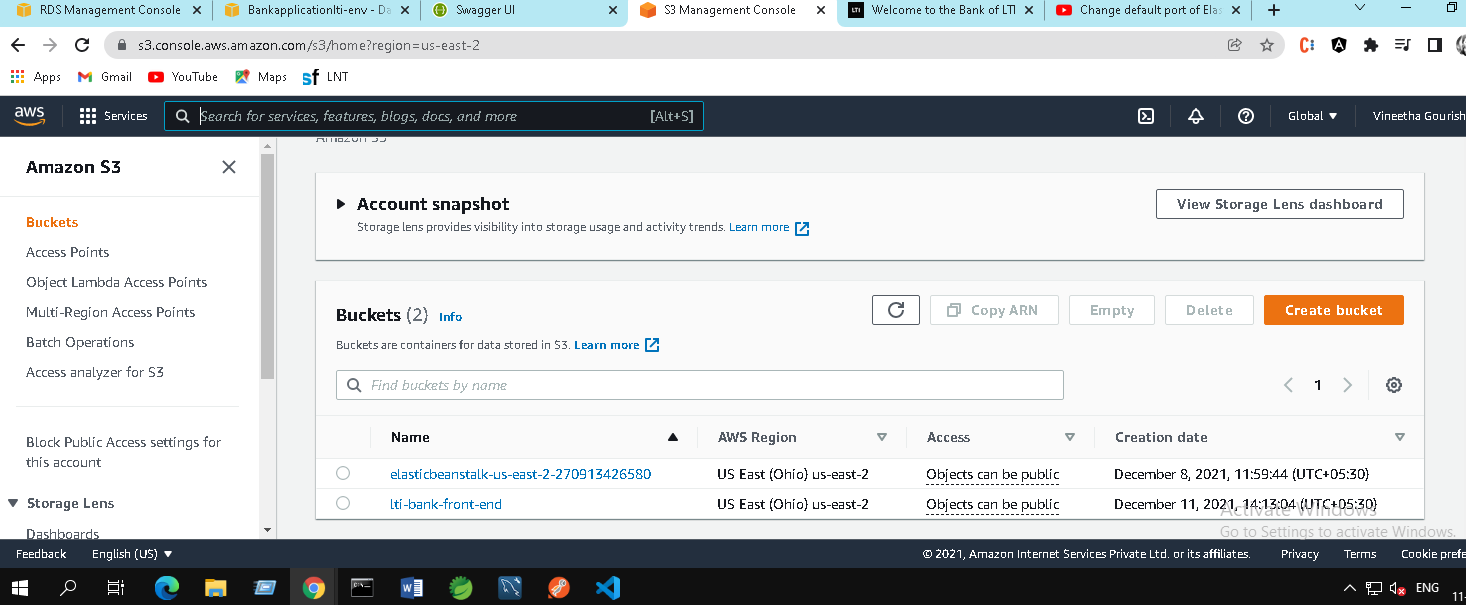
1. Jenkins code pipeline can be created with minimum 3 stages - screenshots required

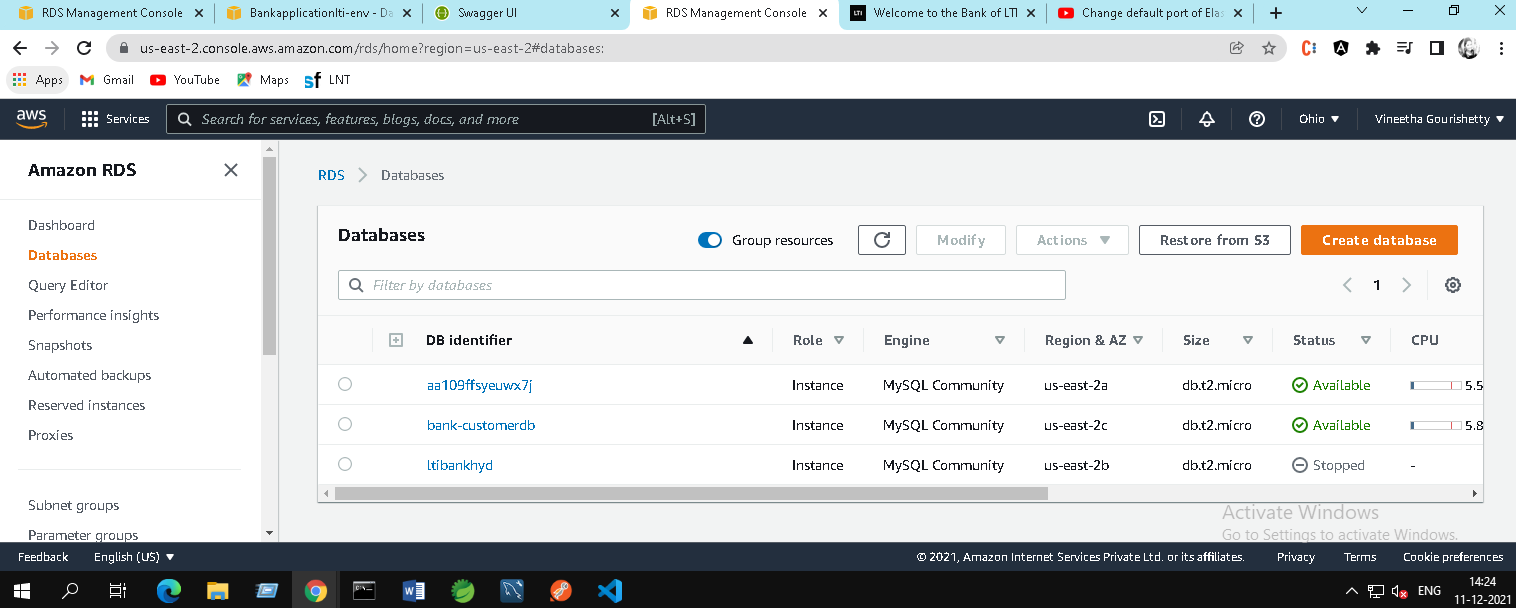
**AWS**:

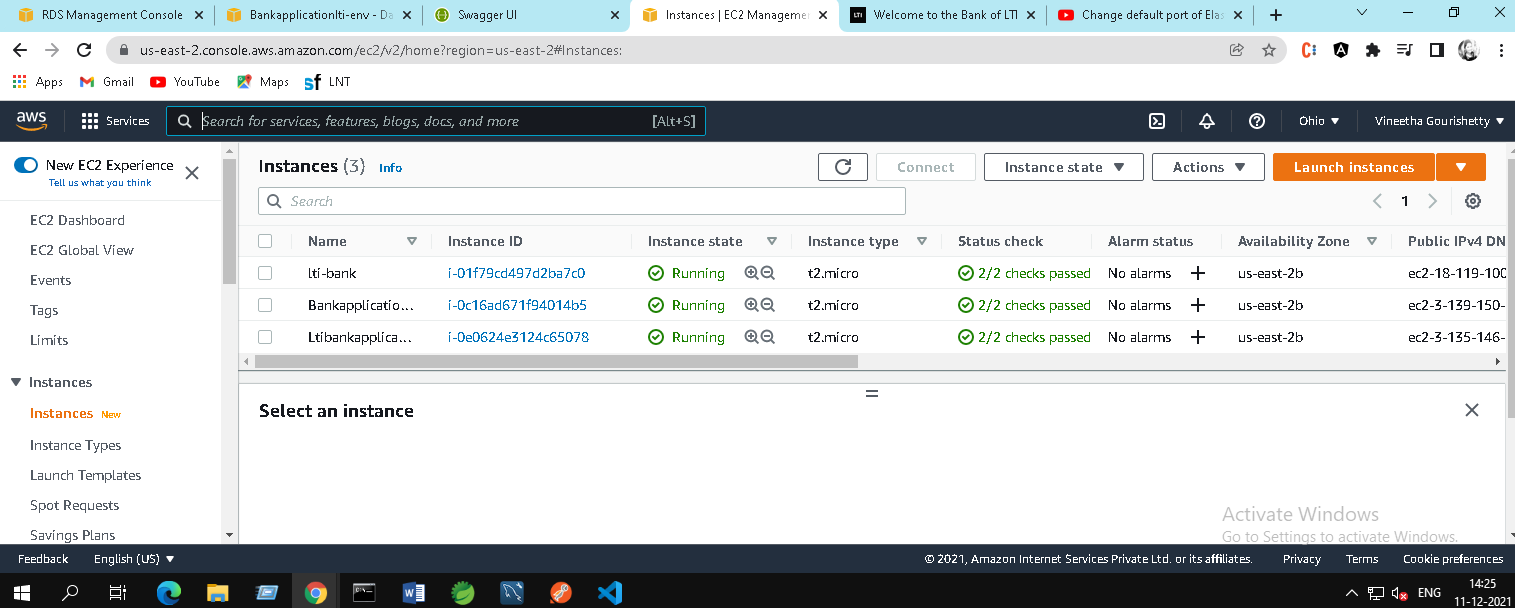
1. Use S3 bucket to deploy Frontendcode – share URL and screenshots

**Amazon S3 Bucket URL** : <http://lti-bank-front-end.s3-website.us-east-2.amazonaws.com/add>





1. Use RDS instance to connect to Mysql instance. – share URL and screenshots
2. Use EC2 instance for deployments with Docker and Jenkins -Optional requirements



If facing issues with Jenkins in EC2 use Docker and Jenkins local .