**Ex. 2 DEMOBLAZE FE APPLICATION**

**Execution instructions:**

Project can be run from runner class.

Project can run from testing.xml file.

Project can be run from command line.

**Approach to be implemented at Actual scenario**

All the points provided below can be implemented considering the timeline of the task but in the real scenario these are important and should be the part of the testing approach.

*Detailed Logging :* Effective logs helps in identifying the bugs in the production when the project is deployed in the real world and help in debugging. In real time we can use more loggings. Logs containing each transaction will help in identifying the records for which the system behaved weirdly

*Reporting:* Important point to know how the system is performing in the real world. It helps in knowing the efficiency and accuracy of the system in terms of percentage. Furthermore, reporting helps in checking whether the goals are met. *Extent reporting* can be used and can be easily integrated with selenium. Or any similar reporting tool. *Elastic search & Kibana* will be used for better reporting.

*Database:*  connection will be established with database to verify each data being send to the the DB through form and populated on website.

*Test scenarios:* More negative test scenarios and cases can be used to do both positive n negative testing for more coverage.

*Validation and checks:*  Detailed validation and checks are provided already but in real scenario are required more and at many places related to the data and process.

*Exceptions:* Detailed exception handling related to business and application can be used to have more robustness and knowing the system.

*Environment duplication:* Separate environment for development, QA, SIT UAT

*Real time data:*  we will use real time data set with variety which is more accurate to the application and components

*Code review:* peer review with the subordinates for codes, testscripts and data.

*Pair programming* for complex process.

*Version control(Jenkin):*  Important step to have, we will do version control in real scenario to achieve automated CI/CD approach and ease deployment.