

Egen Coding Challenge – Level 1

Documentation

Platform and Technologies

1. Spring Tool Suite IDE
2. Mac OS X.
3. Implemented MVC Architecture.
4. **Java Spark, MongoDB, Morphia API** is used.
5. **Lambda Expression** and **Stream** utilities are used for storing the data and passing the Request methods. Lambda and Stream are new feature of Java 8
6. Created a small demo of **Java 8** as well. Please refer the link [Java 8 Demo](#)
7. **Junit test case** are implemented, which checks the status of all 3 methods. If the response are returned with status 200 then the test case passes else it fails.
8. Conversion of JSON data to Gson
9. Connection to the MongoDB is made, datastore is used and Morphia API is used.
10. When the application is executed Jetty Server is started which has port 8080.
11. Create User URL - POST Method
 - a. <http://localhost:8080/createUser.htm>
12. Retrieve list of Users URL – GET Method
 - a. <http://localhost:8080/listUsers.htm>
13. Update User URL – PUT Method
 - a. <http://localhost:8080/updateUser.htm>
14. I have used **Postman (Chrome plugin)** for testing all test cases and given input as the **JSON data for Create User and Update User**
15. I have taken ID as unique, while updating the user, it take ID to fetch the user from database.