
System Requirements Specification Index

For

Git Merging Branches

Version 1.0

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1 PROJECT ABSTRACT

This document outlines the structure for a **Merging Branches git assessment** designed to evaluate the candidate's proficiency in using Git commands, integrating these commands within a Java application, and managing the build process with Maven. The assessment involves executing specified Git commands, verifying their correctness through a Java application, and using Maven to build and test the application.

2 ASSESSMENT OBJECTIVES:

The objective of this assessment is to test the candidate's ability to utilize git commands effectively with a project environment.

3 ASSESSMENT TASKS

1. Verify git repository initialization
2. Check for existence of commits
3. Verify the existence of a specific branch (tmpbranch)
4. Merge tmpbranch into master

4 EXECUTION STEPS TO FOLLOW

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers need to go to the Application menu (Three horizontal lines at left top) -> Terminal -> New Terminal.
3. This editor Auto Saves the code.
4. If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
5. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.

6. To run your project use command:
`mvn clean install exec:java -Dexec.mainClass="mainapp.MyApp" -DskipTests=true`
7. To test your project, use the command
`mvn test`
8. You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.