
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. Open the terminal in the parent folder. Ensure that the folder path matches the email ID you used for the assessment.
2. Initialize an empty git repository.
3. Set up global config with your email ID and name.
4. Create an Assessment.txt file and write your name in it.
5. Add this file to the git base and commit the changes with the comment "my name".
6. Create a new branch from the main branch with the name feature_branch.
7. Checkout to feature_branch.
8. Edit the Assessment.txt file of feature_branch and add your contact number in the new line.
9. Commit the changes with the comment "my number".
10. Merge feature_branch back into main branch.

4 EXECUTION STEPS TO FOLLOW

1. To open the command terminal, you need to go to the Application menu (Three horizontal lines at left top) -> Terminal -> New Terminal.
2. Once you perform all tasks, please open another terminal with the root address (path with project name).
3. To run your project use command:
mvn clean install exec:java -Dexec.mainClass="mainapp.MyApp" -DskipTests=true

4. To test your project, use the command
mvn test
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.