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# System Requirements Specification Index

For

## Git Branches

Version 1.0

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# Git Branches

## System Requirements Specification

### 1 PROJECT ABSTRACT

This document outlines the structure for a **Git 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. Create a new branch called feature-a.
3. Checkout to the feature-a branch.
4. Create a file named feature-a.txt and add some content to it i.e "Some content for feature A".
5. Stage the new file (feature-a.txt) and commit it with the message "Add feature-a.txt".
6. Create a new branch called feature-b.
7. Checkout to the feature-b branch.
8. Create a file named feature-b.txt and add some content to it i.e "Some content for feature B".
9. Stage the new file (feature-b.txt) and commit it with the message "Add feature-b.txt".
10. Checkout back to the feature-a branch.
11. Merge the feature-b branch into feature-a
12. Checkout to the feature-b branch again.
13. Create a new file named feature-b-updated.txt and add some updated content i.e "Some updated content for feature B".
14. Stage the new file (feature-b-updated.txt) and commit it with the message "Update feature-b with new content".
15. Rename the feature-b branch to feature-b-renamed.
16. Checkout back to the feature-a branch.
17. Merge the renamed feature-b-renamed branch into feature-a.

## 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. 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.
6. 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.
7. 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.