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# System Requirements Specification Index

For

## Git Merging Branches

Version 1.0

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# Merging Branches

## System Requirements Specification

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### 1 PROJECT ABSTRACT

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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

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

### 3 ASSESSMENT TASKS

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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. Create an Assessment.txt file and write your name in it.
4. Add this file to the git base and commit the changes with the comment "my name".
5. Create a new branch from the main branch with the name feature\_branch.
6. Checkout to feature\_branch.
7. Edit the Assessment.txt file of feature\_branch and add your contact number in the new line.
8. Commit the changes with the comment "my number".
9. Merge feature\_branch back into main branch.

### 4 EXECUTION STEPS TO FOLLOW

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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.