System Requirements Specification Index

For

Git Stashing

Version 1.0

IIHT Pvt. Ltd.
fullstack@iiht.com

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1 Project Abstract

This document outlines the structure for a **Git Stashing 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 a file named file.txt and add content to it i.e "Initial content".
5. Stage and commit the file with the message "Initial commit".
6. Modify file.txt by appending content to it i.e "Feature work in progress".
7. Stage the changes and stash them with message “Work in progress - feature implementation”
8. Create a file named bugfix.txt and add content to it i.e "Critical bug fix".
9. Stage and commit the changes with the message "Fix critical bug".
10. Use the stashed changes and create a new branch called feature-branch
11. After creating and applying the stashed changes to feature-branch, checkout back to the 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.