

---

# System Requirements Specification Index

For

## Git History Manipulation

Version 1.0

**IIHT Pvt. Ltd.**

[fullstack@iiht.com](mailto:fullstack@iiht.com)

# TABLE OF CONTENTS

1	Project Abstract	3
2	Assessment Objectives	3
3	Assessment Tasks	3
4	Execution Steps	3

# History Manipulation

## System Requirements Specification

### 1 PROJECT ABSTRACT

This document outlines the structure for a **History Manipulation 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 utils folder and inside of it create the Assessment.txt file.
5. Add one line as "This is the first line" into it.
6. Add one line as "This is the second line" into it.
7. Stage and commit the modified file with message "Added second line".
8. Revert the most recent commit.
9. Create utils folder and inside of it create the Assessment.txt file.
10. Make further changes to the Assessment.txt file and add one line as "This is the third line" into it.
11. Stage and commit the modified file with message "Added third line".

### 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 and then change the path to utils folder.
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.