

# git - Test

## The testing process

- The open source project exposed to test is **git**. We have then cloned, compiled and run/used it in our machines.
- Secondly, we have checked the content of the project folder and examined some of the .c files contained.
- For the *deliverable\_2* we've decided to take into account the file called **credential.c** which methods operate with '*struct credential*'.

## Requirements traceability

Users are most interested in the system meeting its requirements and testing should be planned so that all requirements are individually tested.

## Tested items

- credential.c (credential.h)

## Testing schedule

The testing schedule is organized according and following each assignment's deadline.

## Test recording procedures

The output of the test case will be an HTML file containing the results.

## Hardware and software requirements

- Ubuntu 14.04
- gcc 4.9.2

## Constraints

No constraints at the moment.

## System tests

**Test ID:** 001

**Component being tested:** credential.c

**Method being tested:** int credential\_match(const struct credential \*want, const struct credential \*have)

**Requirement being tested:** function matches credential protocols

**Test input(s):** (https, example.com, foo.git, bob, http, example.com, foo.git, bob)

**Expected outcome(s):** false

**Test ID:** 002

**Component being tested:** credential.c

**Method being tested:** int credential\_match(const struct credential \*want, const struct credential \*have)

**Requirement being tested:** function matches credential hosts

**Test input(s):** (https, example.com, foo.git, bob, https, otherExample.com, foo.git, bob)

**Expected outcome(s):** false

**Test ID:** 003

**Component being tested:** credential.c

**Method being tested:** int credential\_match(const struct credential \*want, const struct credential \*have)

**Requirement being tested:** function matches credential paths

**Test input(s):** (https, example.com, foo.git, bob, https, example.com, bar.git, bob)

**Expected outcome(s):** false

**Test ID:** 004

**Component being tested:** credential.c

**Method being tested:** int credential\_match(const struct credential \*want, const struct credential \*have)

**Requirement being tested:** function matches credential usernames

**Test input(s):** (https, example.com, foo.git, bob, https, example.com, foo.git, mary)

**Expected outcome(s):** false

**Test ID:** 005

**Component being tested:** credential.c

**Method being tested:** int credential\_match(const struct credential \*want, const struct credential \*have)

**Requirement being tested:** function returns true when all credential fields are equal

**Test input(s):** (https, example.com, foo.git, bob, https, example.com, foo.git, bob)

**Expected outcome(s):** true