Chapter 4

Experience

In finding our other 20 test cases we ran into the same issue as when looking for our first 5 test cases. It's hard trying to decided what methods are the best to use while avoiding files that had too many dependence.

Test Cases

ID	Module	Function	Requirement	Driver	Arguments	Expected	Result
1	credential.c	credential_match	compares the protocol field of the credentials	test-credentialMatch Driver	"https example.com foo.git bob http example.com foo.git bob"	0	0
2	credential.c	credential_match	compares the host field of the credentials	test-credentialMatch Driver	"https example.com foo.git bob https otherExample.com foo.git bob"	0	0
3	credential.c	credential_match	compares the path field of the credentials	test-credentialMatch Driver	"https example.com foo.git bob https example.com bar.git bob"	0	0
4	credential.c	credential_match	compares the username field of the credentials	test-credentialMatch Driver	"https example.com foo.git bob https example.co foo.git mary"	0	0
5	credential.c	credential_match	returns 1 when every field of the credentials are equal	test-credentialMatch Driver	"https example.com foo.git bob https example.com foo.git bob"	1	1
6	url.c	is_urlschemechar	does not allow '+' as the first url character	test-urlSchemecharDriver	"1 +"	1	0
7	url.c	is_urlschemechar	does not allow '-' as the first url character	test-urlSchemecharDriver	"1 -"	0	0
7	url.c	is_urlschemechar	does not allow '.' as the first url character	test-urlSchemecharDriver	"1 ."	0	0
9	url.c	is_urlschemechar	allows special characters in the url in positions that are not first one	test-urlSchemecharDriver	"0 +"	1	1
10	url.c	is_urlschemechar	allows numbers in the first position of the url	test-urlSchemecharDriver	"1/8/2015"	1	1

11	url.c	is_urlschemechar	allows numbers in the other positions of the url	test-urlSchemecharDriver	"0 8"	1	1
12	url.c	is_url	verifies if url is not empty	test-isUrlDriver	"" ""	0	0
13	url.c	is_url	return 0 if the first chararacter of the url is a special character(+ - .)	test-isUrlDriver	"+https://myurl.com"	0	0
14	url.c	is_url	verifies if url has the pattern '://'	test-isUrlDriver	"https:myurl.com"	0	0
15	bisect.c	estimate_bisect_steps	returns 0 if the parameter n is less than 3	test-estimateBisectStepsDriver	"2"	0	0
16	bisect.c	estimate_bisect_steps	returns the integer log e of the parameter n minus 1 (e-1) if (2^e < 3*(n - 2^e))	test-estimateBisectStepsDriver	"10"	2	2
17	bisect.c	estimate_bisect_steps	returns integer log e of n if (2^e < 3*(n - 2^e))	test-estimateBisectStepsDriver	"100"	6	6
18	color.c	git_config_colorbool	returns 0 if value is equal to 'never'	test-gitConfigColorboolDriver	"core.color never"	0	0
19	color.c	git_config_colorbool	returns 1 if value is equal to 'always'	test-gitConfigColorboolDriver	"core.color always"	1	1
20	color.c	git_config_colorbool	returns the automatic color(2) if the value is equal to 'auto'	test-gitConfigColorboolDriver	"core.color auto"	2	2
21	color.c	git_config_colorbool	returns -1 if var and value are empty	test-gitConfigColorboolDriver	"returns -1 if var and value are empty"	-1	-1
22	color.c	git_config_colorbool	returns the automatic color(2) if var is not empty, but value is empty	test-gitConfigColorboolDriver	"core.color" ""	2	2
23	color.c	color_is_nil	returns 1 if color is nil	test-colorIsNil	"NIL"	1	1
24	color.c	color_is_nil	returns 0 if color is not nil	test-colorIsNil	"green"	0	0
25	commit.c	commit_list_count	returns 0 if commit list is empty	test-commitListCount	"0"	0	0
26	commit.c	commit_list_count	returns the number of items in the commit list if it is not empty	test-commitListCount	"4"	4	4