

Test Design techniques [Izabela Wójs]

Part I: Equivalence classes

Equivalence class	Test input example	Expected result
Positive Class (4-16 characters, at least 1 big letter, at least 1 special character)	TheTwilightSag*	Input accepted
Negative Class (without special characters)	The%%twilight12!l	Input rejected: Password contain incorrect characters (The%%twilight12!l) and it's too long
Negative class (without big letter)	twilightsaga!	Input rejected: Password is not contain big letter
Negative class (too short input)	Tw\$	Input rejected: too short input
Negativ class (too long input)	ThemetheTwilightsaga&	Input rejected: too long input

Part II: Boundary values

Boundary value	Test input example	Expected result
Password length: 3 characters	Cat	Input rejected: too short input
* Password length: 4	Bird	Input accepted

characters		
Password length: 15 characters	Welovenaturegeo	Input accepted
Password length: 16 characters	Pavilonthemonkey	Input accepted

Part III: Decision table testing

	Rule 1	Rule 2	Rule 3	Rule 4	Rule 5
Article title	T	F	T	T	T
What's this article about	T	T	T	F	T
Write your article	T	T	F	T	T
Enter tags	T	T	T	T	F
Actions: PA(Publish article) NP(Not publish)	PA	NP	NP	NP	PA

T – Correctly filled fields

F – Incorrectly filled fields

PA- Publish article

NP- Not publish article

Part IV: State transition diagram

https://drive.google.com/file/d/19MHvU7Mnopr52S3bBko_TWLzc3aLZ1T2/view?usp=sharing

Part V: Pairwise technique

Nº	Pairs				
1	Mozilla Firefox	1536 x 1024	2G	Windows 10	spanish
2	Mozilla Firefox	1536x1024	2G	Windows 10	english
3	Safari	1536 x 1024	3G	Mac OS	spanish
4	Safari	1920x1080	3G	Mac OS	polish
5	Edge	1920x1080	3G	Mac OS	spanish
6	Edge	1536x1024	2G	Windows 11	polish
7	Google Chrome	1536 x 1024	3G	Linux	polish
8	Google Chrome	1536x1024	3G	Linux	spanish
9	Edge	1366x768	2G	Mac OS	polish
10	Edge	1536 x 1024	2G	Windows 10	english
11	Chromium	1366x768	3G	Windows 11	german
12	Chromium	1366x768	4G	Linux	spanish

13	Brave 1280x800 5G Mac OS english
14	Brave 1280x800 4G Windows 11 german
15	Mozilla firefox 2398x3602 4G Linux spanish
16	Mozilla Firefox 1500x2102 4G Linux english
17	Opera 1536 x 1024 5G Windows 11 german
18	Opera 640 x 480 5G Windows 10 english