Test Design techniques [Kristian Vintse]

Part I: Equivalence classes

Equivalence class	Test input example	Expected result
4-16 characters without special character and capital letter	123456	Rejected,should be at least one special character and capital letter.
0-3 characters	123	Rejected,too short.
16+ characters	123456789012345	Rejected,too long.
4-16 characters with capital letter and special character	1234$C	Accepted
4-16 characters with Capital letter	1234C	Rejected,should be at least one Special character.
4-16 characters with special character	1234$	Rejected,should be at least one Capital letter.

Part II: Boundary values

Boundary value	Test input example	Expected result
3 characters	123	Rejected,too short.
4 characters	1234	Accepted
5 characters	12345	Accepted
15 characters	123456789012345	Accepted
16 characters	123456789012345	Accepted
17 characters	1234567890123456	Rejected,too long.

Part III: Decision table testing

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

Part IV: State transition diagram

[https://drive.google.com/file/d/1E7g5k1uYX4T_kWkldXowdVBRaI87jmn-/view?usp=sharing]

Part V: Pairwise technique

N°	Resolution	Browsers	OS	Languages	Connection Speed
1	1920x1080	Mozilla Firefox	MacOs	Spanish	3G
2	1920x1080	Microsoft Edge	Linux	Ukrainian	4G
3	1366x768	Mozilla Firefox	Linux	English	2G
4	1366x768	Microsoft Edge	Windows 11	English	3G
5	1366x768	Google Chrome	Windows 11	Spanish	4G
6	1366x768	Google Chrome	MacOs	Ukrainian	2G
7	1280x720	Microsoft Edge	Windows 11	Ukrainian	2G
8	1280x720	Google Chrome	MacOs	English	3G
9	1280x720	Google Chrome	Linux	English	4G
10	1280x720	Mozilla Firefox	Windows 11	Spanish	2G
11	1920x1080	Google Chrome	Linux	Spanish	2G
12	1920x1080	Google Chrome	Windows 11	Ukrainian	3G
13	1920x1080	Mozilla Firefox	Windows 11	English	4G
14	1920x1080	Microsoft Edge	MacOs	English	2G