

# Test Design techniques. [Task](#)

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## Part I: Equivalence classes

Equivalence class	Test input example	Expected result
4 -16 characters, capital letter, special character	Washington\$\$	Input is accepted
0-3 characters, capital letter, special character	Was\$\$	Input is rejected: too short
16+ characters, capital letter, special character	WashingtonBiden\$\$	Input is rejected: too long
4 -16 characters, capital letter	WashingtonBiden	Input is rejected: missing capital letters
4 -16 characters, special character	washingtonbiden\$\$	Input is rejected:missing special characters
4 -16 characters, capital letter, special character, number	12WashingtonBiden\$\$	Input is rejected: without numbers

## Part II: Boundary values

Boundary value	Test input example	Expected result
3 characters	Was	Input is rejected: too short
4 characters	Wash	Input is accepted
5 characters	Washi	Input is accepted
15 characters	WashingtonBiden	Input is accepted
16 characters	WashingtonBiden\$	Input is accepted
17 characters	WashingtonBiden\$\$	Input is rejected: too long

Part III: Decision table testing

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Article title	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
What's this article about	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
Write your article	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
Enter tags	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Actions: PA(Publish article) NP(Not publish)	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	PA	PA

Part IV: State transition diagram

Link to the diagram - [link](#)

Part V: Pairwise technique

<i>Nº</i>	<i>Different resolutions</i>	<i>Different browsers</i>	<i>Different OS</i>	<i>Languages</i>	<i>Connection speed</i>
1	720 × 480	Firefox	Windows	English	2G
2	720 × 480	Google Chrome	Linux	Spanish	low 3G
3	720 × 480	Microsoft Edge	Mac OS	Ukrainian	3G

4	720 × 480	Opera	Linux	English	WiFi
5	720 × 576	Google Chrome	Mac OS	Poland	WiFi
6	720 × 576	Microsoft Edge	Windows	English	2G
7	720 × 576	Opera	Windows	Spanish	3G
8	720 × 576	Firefox	Linux	Ukrainian	4G
9	1280 × 720	Microsoft Edge	Linux	Spanish	4G
10	1280 × 720	Opera	Linux	Poland	2G
11	1280 × 720	Firefox	Mac OS	English	low 3G
12	1280 × 720	Google Chrome	Windows	English	3G
13	1920 × 1080	Opera	Mac OS	English	4G
14	1920 × 1080	Firefox	Windows	Spanish	WiFi
15	1920 × 1080	Google Chrome	Linux	Ukrainian	2G
16	1920 × 1080	Microsoft Edge	Windows	Poland	low 3G
17	1920 × 1080	Opera	Windows	Ukrainian	low 3G
18	1920 × 1080	Firefox	Linux	Poland	3G
19	1920 × 1080	Google Chrome	Windows	English	4G
20	1920 × 1080	Microsoft Edge	Linux	English	WiFi

21	1920 × 1080	Apple Safari	Mac OS	Spanish	2G
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