

Equivalence partitioning

Task: To have ability to buy products on web store user should register his login name on web registration page. The field for entering login name should:

- contain letters only
- to be no shorter than 4 characters
- to be no longer than 10 characters.

Login names which do not meet requirements will not be allowed.

Build equivalence classes (partitions) based on given information.

The field for entering login name

| | Valid | Valid | Valid | Valid | Invalid | Invalid | Invalid | Invalid | Invalid | Invalid | Invalid | Invalid |
|-------|---------------------------------|--------------------|--------------------|---------------------|---------------|--------------------------|---------------------|---------------------|----------------------------|-------------------|------------------------|-----------------------|
| Class | letters 4 – 10 characters | Lowercase Login | Uppercase Login | Mixed Case Login | <4 characters | >10 character s | contains numbers | contains symbols | contains undersco re | contains space | other language s | the field is empty |
| EP | Vitalina | abcd | ABCD | AbCd | Ira | VeryLong Usernam e | User123 | User@ | User_Na me | User Name | кирилиц я | |