To simplify writing test cases, I assume that each field has independent validation. For example, if only the login field is filled in incorrectly, and the password is not filles, I will get an error validating the login field anyway.

Also I'm assuming that the requirement min 3 max 32 means min >= 3 and max <=32.

Precondition for all test cases: both fields are empty.

## Boundary results test:

**Login field at least three characters**

Steps

* enter a two-character value in the login field (Example: ab)
* press the authorization button

Expected result: Validation error received. The value entered is less than three characters.

Steps:

* enter a value of three alphanumeric characters in the login field (Example: ab1)
* press the authorization button

Expected result: No validation errors

**Login field maximum 32 characters**

Steps

* enter a value of 33 characters in the login field (Example: ETAOINSHRDLCUMWFGYPBVKXJQZ1234567)
* press the authorization button

Expected result: Received a validation error. More than 32 characters entered.

Steps:

* enter a value of three alphanumeric characters in the login field (Example: ETAOINSHRDLCUMWFGYPBVKXJQZ123456)
* authorization button

Expected result: No validation errors

**Password field at least seven characters**

Steps

* enter a value of six characters in the password field with lowercase and uppercase letter (Example: Ab1%12)
* press the login button

Expected result: Validation error received. The value entered is less than seven characters.

Steps:

* enter a value of seven characters in the password field withs at least one each: a number, a symbol, a lowercase letter and an uppercase letter (Example: Ab1%123)
* press the authorization button

Expected result: No validation errors

**Password field maximum 32 characters**

Steps

* enter in the field password value of 33 characters, where there is at least one: number, symbol, lowercase and uppercase letter (Example: EtAOINSHRDLCUMWFGYPBVKXJQZ12345%7)
* press the authorization button

Steps:

Expected result: a validation error was received. More than 32 characters entered.

* enter a value of 32 characters in the password field, where there is at least one each: a number, a symbol, a lowercase letter and an uppercase letter (Example: EtAOINSHRDLCUMWFGYPBVKXJQZ12345%)
* press the authorization button

Expected result: No validation errors

## Empty values

Steps:

* do not enter any value in both fields
* press the authorization button

Expected result: the button is not active

Example bug: button Is active, but fields shows validation error

## Validation of characters in the login field

Steps:

* in the login field, enter a value from special characters from 3 to 32 (Example: !@#)
* press the authorization button

Expected result: a validation error has been received. The entered value is not alphanumeric.

Steps:

* in the login field, enter a value from numbers from 3 to 32 (Example: 123)
* press the authorization button

Expected result: no errors. Validation is successful.

Steps:

* in the login field, enter a value from letters from 3 to 32 (Example: abc)
* press the authorization button

Expected result: no errors. Validation is successful.

Steps:

* in the login field, enter a value from letters and numbers from 3 to 32.
* press the authorization button

Expected result: no errors. Validation is successful.

Steps:

* in the login field, enter an alphanumeric value from 3 to 32 characters, but in a layout other than English (Example: ABC),
* press the authorization button

Expected result: no errors. Validation is successful.

The result obtained: as an example of a possible error. Many services show alphanumeric validation error for Cyrillic symbols. Which is incorrect. If Cyrillic or other alphabets are not supported, there should be an appropriate error.

## Validation of characters in the password field

Steps:

* in the password field, enter a value only from lowercase and uppercase letters from 7 to 32 (Example aBcdefg)
* press the authorization button

Expected result: validation error received. The password must contain min 7-32 chars, at least 1 digit, at least 1 symbol, at least 1 upper case and lower case

Steps:

* in the password field, enter a value only from numbers from 7 to 32 (Example 1234567)
* press the authorization button

Expected result: received a validation error. The password must contain min 7-32 chars, at least 1 digit, at least 1 symbol, at least 1upper case and lower case Replay

Steps:

* in the password field, enter a value only from characters from 7 to 32 (Example !@#$%^&)
* press the authorization button

Expected result: Validation error received. The password must contain min 7-32 chars, at least 1 digit, at least 1 symbol, at least 1upper case and lower case

Steps:

* in the password field, enter a value from lowercase letters, one character and a number from 7 to 32 (Example a!2bcde)
* press the authorization button

Expected result: validation error received. The password must contain min 7-32 chars, at least 1 digit, at least 1 symbol, at least 1upper case and lower case

Steps:

* in the password field, enter a value from lowercase and uppercase letters and one character from 7 to 32. (Example a!Bcdef)
* press the login button

Expected result: Validation error received. The password must contain min 7-32 chars, at least 1 digit, at least 1 symbol, at least 1upper case and lower case

Steps:

* in the password field, enter a value from lowercase and uppercase letters and one number from 7 to 32 (Example a1Bcdef)
* press Authorization button

Expected result: Validation error received. The password must contain min 7-32 chars, at least 1 digit, at least 1 symbol, at least 1upper case and lower case

Steps:

* in the password field, enter a value from lowercase and uppercase letters, one character and one number from 7 to 32 (Example a1B!def)
* press login button

Expected result: no validation errors