Example test cases for Login and Register new user in responsive web application

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Login

Test 1. User should log in with valid email and password

expected:

- password is masked

- user authenticated at the end of process (in this app username/link to user profile/ displayed in top navbar

Test 2. User should not log in with an invalid credentials:

variants to test:

- valid email and invalid password

- invalid email and invalid password

- invalid email and valid password

- incorrect email format

expected:

- fields should be checked on client side for invalid input format (email) and invalid input length (password) to not call API (in real app) if not necessary

Test 3 User should recover password using "forgot password"

variants to test:

- valid credentials

- not existing email

- incorrect email format

expected:

- user should receive link to password reset or temporary password which is valid certain amount of time AND be forced to change it on first login

- email format should be checked on client side and API not called in case check fails.

Test 4 Login page should be responsive (work on devices with different screen sizes like: mobile, tablet, desktop)

Registration

Test 1 Registering user using correct data and filling out all mandatory fields

expected:

- it should be possible to log in using email and password

- after login, details displayed in 'My account' should be same as used in registration

Test 2 User should not register with email that is already in use

expected:

- informative error message should be displayed to username

Test 3 Submitting form without filling every mandatory field should not be possible

expected:

- error message should be displayed with information about mandatory fields missed

Test 4 Filling fields with improper values should cause showing error message to user

examples:

- first and last name with numbers

- email in invalid format

- use different email in 'personal info screen' from email used in initial step

expected:

- descriptive error message displayed

Test 5 Password rules

- insert password not matching password policies

examples:

- valid password

- password length outside allowed length range (longer and shorter)

- password without numbers

- only upper case

- only lower case

- no special character