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After studying the specifications, use cases and/or risks analysis data (if there are any) - these would be my drafts for future test cases:

1. First - smoke test of login page with expected result - loading of all relevant page elements like top page links, form with fields and buttons, links below form, copyright text and social buttons.

2. Then positive blackbox test cases:

2.1 Integration testing - manual clicking on all social links buttons with expected results - opening their corresponding pages in social networks, plus opening "Skyeng" bot page in telegram app after processing of "tg:/" protocol on telegram page.

2.2 Clicking on "Забыли пароль?" and "Регистрация" links with expected results - appearance of password reset and registration pages, note that - favicon on login page and favicon on main page are slightly different in color.

2.3 Clicking on top left "skyeng" and "ВХОД" links - expected result - opening of homepage and reloading of login page, note - link anchor for "ВХОД" button is <https://auth.skyeng.ru/> - but actual opening address is <https://auth.skyeng.ru/login> - maybe change "ВХОД" button anchor address from <https://auth.skyeng.ru/> to <https://auth.skyeng.ru/login> .

2.4 Enter valid email and valid password and click "Войти" button - expected result - loaded respective user personal page.

3. Negative blackbox test cases:

3.1 Leave email field black, enter valid password and try to login.

3.2 Enter valid email, leave password field blank and try to login.

3.3 Leave both email and password field blank and try to login.

3.4 Other combinations would be invalid/blank emails/passwords, valid/invalid emails/passwords and invalid/invalid email and password, swaping email and username and try to login.

3.5 Enter valid email/password but in different cases (UPPER CASE, combinations of camelCase, combinations of rAndOmUppErcAse letter in email/password) and try to login.

3.6 Enter valid email/password but with some amount of extra spaces/non-printable characters before/after them and try to login.

4. Performance testing - like imitation of 100 or 10000 users activity with successful logins and logouts and unsuccessful logins.

5. Failover and recovery testing - like closing login page in the middle of successful logging in process and trying to proceed with entered credentials in reopened closed page, or failing of database in the middle of successful logging in process and trying to proceed with entered credentials in reopened closed page.

6. Notes and proposals:

6.1 Login page has redundant vertical scrollbar in full screen desktop browser (with default size and default position of windows taskbar), vertical scrollbar not present on the login page in IE.

6.2 On "Медиацентр" -> "О Skyeng" page - <https://skyeng.ru/mediacenter/school> - top button near "skyeng" logo has dash between two words - "медиа-центр" and inscription below - "Медиацентр" text - has no dash in it.

6.3 Use letter "l" (L in lower case) in favicon on registration page - by analogy with letter "m" in favicon on "Медиацентр" page - <https://skyeng.ru/mediacenter/school> , or use different letters for favicons on all pages like: "s" in "Главная", "l" (L in lower case) in " Процесс обучения", "c" in "Курсы", "t" in "Преподаватели"...

6.4 Text "Изучайте английский язык по скайпу..." on main page tells that about learning process in skype - but after visiting the vimbox main page - text "Goodbye, Skype for English lessons. Hello Vimbox!..." says the opposite. Use "skype" keyword in conjunction with words like "more than" or "beyond" on main page - for greater consistency.

6.5 Presence of additional info on login screen like: total number of users, number of users that are currently online, number of users by level points, message about maintenance in case of severe failures or hardware upgrades.

6.6 "Telegram" social media button not aligned with other buttons on window width less than 424px (same on 480px width mobile device) (screenshot.1.png - <https://www.dropbox.com/s/wfc5ey9hfucsiu4/screenshot.1.png?dl=0> ), also alignment and wrapping of copyright text and social media buttons doesn't look very nice on window width less than 647px (screenshot.2.png - <https://www.dropbox.com/s/1jj6eeje58t7qov/screenshot.2.png?dl=0> ) - maybe align copyright text and each social media button vertically on window width less than 647px.

6.7 Add a two seconds delay between entering of incorrect credentials for better protection against brutforce attacks, set limit to 20 incorrect login attempts in 1 minute every 30 minutes (also set limit to 20 page refreshes from same ip, 20 page loadings from same ip).

6.8 Add ability to login with VK, Facebook, Google…

6.9 Add ability to import data (achievements, words, friends...) from lingualeo/duolingo and similar popular services, in case of migrating from language learning service with paid subscription - add discount on using skyeng.

**Testing configurations:**

Desktop:

OS: Windows 7

Resolution: 1366x768

Browsers: Firefox 51.0.1, Opera 42, IE 11, Google Chrome 56, Yandex Browser 17.1

Mobile:

OS: Android 4.4

Resolution: 480x854

Browsers: Firefox, Google Chrome, Yandex Browser