**Testing approach, test cases, bug reports.**

**Tools:**

1. WebStorm to run application (Emulator) and write automated test cases.
2. As part of this assignment, I used Microsoft Word to write test cases, bug reports and test plan. However on a real project for writing documentation, I would use:

* Jira - for bug tracking, tracking versions
* Test/Link, TestRail - for test cases, test runs.

**Requirements questions.**

**1.First name field and last name field.**

Currently these fields have only 1 check : not empty field.

There is not any length check or symbol checks. As a first name and last name you can insert only numbers for example.

In my opinion There is should be at least length validation because it can conflict with DB length.

**2. Email.**

**The regular expression that validates email address:**

**Pattern = “[a-z0-9.\_%+-]**[**+@[a-z0-9.-]+.[a-z]{2,4}$**](mailto:+@[a-z0-9.-]+.[a-z]%7b2,4%7d$)**”**

There are no such checks in this application:

- According to RFC5321- The maximum total length of the local-part of an email address is 64 octets.

- Dot ., provided that it is not the first or last character and provided also that it does not appear consecutively (e.g., John..Doe@example.com is not allowed)(RFC3696).

- It’s not possible to use uppercase letters in the email.

I tested Field style: verified for their appearance and size on the screen.

All these cases could be considered as a bug. Depends on requirements.

**Test cases**

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| --- | --- | --- |
| **ID:** | 001 | |
| **Title:** | Check redirection on “registration” page | |
| **Author:** | Ekaterina Pertseva | |
| **Change list:** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
|  | | |
| **Steps:** |  |  |
| 1. Click on “Register new account” button | New account page is opened -Create new account.  There is a header “Create new account” on the page |  |
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| --- | --- | --- |
| **ID:** | 002 | |
| **Title:** | Successful registration | |
| **Author:** | Ekaterina Pertseva | |
| **Change list:** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
|  | | |
| **Steps:** |  |  |
| 1. Click on “Register new account” button | New account page is opened -Create new account. |  |
| 1. Fill the “First name” field with correct ${FIRSTNAME} | There is not any error message under the field. |  |
| 1. Fill the “Last name” field with correct ${LASTNAME} | There is not any error message under the field. |  |
| 1. Fill the “Email” field with ${EMAIL} | There is not any error message under the field. |  |
| 1. Fill the “Password” with ${PASSWORD} (Password must contain 8 characters, 1 lowercase character, 1 upper case character, and 1 digit) | There is not any error message under the field. |  |
| 1. Click on “Create account” button | There is an alert: Account created. Your account has been created, you can now login here. |  |
| 1. Fill the “Email Address” field with ${EMAIL} | There is not any error message under the field. |  |
| 1. Fill the “Password” field with ${PASSWORD} | There is not any error message under the field. |  |
| 1. Click on “LOGIN” button | You will be redirected on “Login Flow” page  Header: “Welcome ${FIRSTNAME} ${LASTAME}” is visible on the page |  |
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| --- | --- | --- |
| **ID:** | 003 | |
| **Title:** | Email field: email with capital letters | |
| **Author:** | Ekaterina Pertseva | |
| **Change list:** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill the “Email” field with city: “${EMAIL}” (email must contains capital letters in Local-part) | There is not any error message under the field. | There is an error message “Invalid value” |
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| --- | --- | --- |
| **ID:** | 004 | |
| **Title:** | Email field: Maximum total length of Local part < 64 octets | |
| **Author:** | Ekaterina Pertseva | |
| **Change list:** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill the “Email” field with city: “${EMAIL}” (email Local-part must be < 64 octets) | There is not any error message under the field. |  |
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| --- | --- | --- |
| **ID:** | 005 | |
| **Title:** | Email contains Cyrillic symbols | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill the “Email” field with city: “${EMAIL}” (email must contain Cyrillic symbols) | Error appears:  “No valid value provided” |  |
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| --- | --- | --- |
| **ID:** | 006 | |
| **Title:** | Email field: Dot in the end of local part. | |
| **Author:** | Ekaterina Pertseva | |
| **Change list:** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill the “Email” field with city: “${EMAIL}” (email Local-part must contain dot in the end ) | There is should be an error under the “Email” field. | There is not any error message under the field. |
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| --- | --- | --- |
| **ID:** | 007 | |
| **Title:** | Email field: Dot in the beginning of local part. | |
| **Author:** | Ekaterina Pertseva | |
| **Change list:** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill the “Email” field with city: “${EMAIL}” (email Local-part must contain dot in the beginning) | There is should be an error under the “Email” field. | There is not any error message under the field. |
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| --- | --- | --- |
| **ID:** | 008 | |
| **Title:** | Email field: Maximum total length of Local part >64 octets | |
| **Author:** | Ekaterina Pertseva | |
| **Change list:** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill the “Email” field with city: “${EMAIL}” (email Local-part must be >64 octets) | There is should be an error under the “Email” field. | There is not any error message under the field. |
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| --- | --- | --- |
| **ID:** | 009 | |
| **Title:** | Empty “Email” field | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Do not fill the “Email” field and press “Enter” | Error message appears:  “This field is required” |  |
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| --- | --- | --- |
| **ID:** | 010 | |
| **Title:** | Empty “Password” field | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Do not fill the “Password” field and press “Enter” | Error message appears:  “This field is required” |  |
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| --- | --- | --- |
| **ID:** | 011 | |
| **Title:** | Empty “First name” field | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Do not fill the “First name” field and press “Enter” | Error message appears:  “This field is required” |  |
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| --- | --- | --- |
| **ID:** | 012 | |
| **Title:** | Empty “Last name” field | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Do not fill the “Last name” field and press “Enter” | Error appears:  “This field is required” |  |
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| --- | --- | --- |
| **ID:** | 013 | |
| **Title:** | Short password with only lowercase letters | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill “Password ” field with “A1bFG”. | Error message appears: “Password must contain 8 characters, 1 lowercase character, 1 upper case character, and 1 digit” |  |
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| --- | --- | --- |
| **ID:** | 014 | |
| **Title:** | Password contains 8 symbols (without numbers) | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill “Password ” field with “Abcdefg@”. | Error message appears: “Password must contain 8 characters, 1 lowercase character, 1 upper case character, and 1 digit” |  |
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| --- | --- | --- |
| **ID:** | 015 | |
| **Title:** | Password contains 8 symbols (without capital letters) | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill “Password ” field with “a1bcdefg@”. | Error message appears: “Password must contain 8 characters, 1 lowercase character, 1 upper case character, and 1 digit” |  |
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| --- | --- | --- |
| **ID:** | 016 | |
| **Title:** | Password contains 8 symbols (without lowercase letters) | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill “Password ” field with “A1BCDEFG@”. | Error message appears: “Password must contain 8 characters, 1 lowercase character, 1 upper case character, and 1 digit” |  |
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| --- | --- | --- |
| **ID:** | 017 | |
| **Title:** | Password contains Cyrillic symbols | |
| **Author:** | Ekaterina Pertseva | |
| **Change list** |  | |
| **Action** | **Expected result** | **Actual result** |
| **Precondition:** | | |
| Open: <https://ui-test-app.betty.app/login> page | | |
| Click on “Register new account” button | | |
| **Steps:** |  |  |
| 1. Fill “Password ” field with - 8 Cyrillic symbols (at least 1 lowercase+ 1 capital letter +1 digit ) | Error message appears: “Password must contain 8 characters, 1 lowercase character, 1 upper case character, and 1 digit” |  |
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**Bug report.**

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| --- | --- |
| **Title:** | “Email” field accept local part of email longer than 64 characters. |
| **Description:** | Email with local pat longer than 64 characters is allowed. |
| **Project** | Betty Blocks |
| **Component** | Email field |
| **ID** | 1 |
| **Severity**   * S1 (Blocker) * S2 (Critical) * S3 (Major) * S4 (Minor) * S5 (Trivial) | **S3** |
| **Priority**   * P1 (High) * P2 (Medium) * P3 (Low) | **PO is responsible for Priority** |
| **Status** | New |
| **Author** | Ekaterina Pertseva |
| **Assignee** | developer |
| **Steps** | Fill the “Email” field with : email Local-part must be >64 characters |
| **Actual result** | There is not any error message |
| **Expected result** | Under “Email” field error message appears. |