# Change request log

# Team

Group 3

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# Change Request

CR-FEMR-SPMB-158 - Don't require the user editing a user to fill out the "Change User Password" input fields

***Description:***

If an administrator tries to edit a user, the "Change User Password" input fields are required and a notification gets sent back that the "password field is empty".

Action should only be taken if these fields are filled out - they shouldn't be required to be filled out.

# Concept Location

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | We ran the system |  |
| 2 | We interacted with the system: after logging in we navigated to admin screen clicked on users button. Click on edit user | To identify and understand the screen requiring the change |
| 3 | Reproduce the error | To validate the given behavior in the description |
| 4 | To check if validation is happening at client side or server side. Used the Browser chrome dev tools script debugger. | It is observed that there is no backend server side validation it is all client side. |
| 5 | Determined the users.js is the source for this page from the observed list of js files which were femr, admin and users. | Locate the source code of impacting. Edit user submit button. |
| 6 | We inspected the users.js. Navigated to editUserSubmitBtn function and navigated to validateRolesandPassword function. | Follow the trail of submit button on edit screen |
| 7 | In validateRolesandPassword function there is no mention of key string “password field is empty” | Check for location of error message |
| 8 | Then search the for the string “password field is empty” in IDE. Found only one occurrence in EditViewModel.java | Search for exact error message to figure out exact location |
| 9 | We marked the class EditViewModel.java as "located". | We confirmed this class had to be modified. |

**Time spent (in minutes):** 41

# Impact Analysis

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | We reviewed the validate method called by EditViewModel | To track the classes that could be impacted by the change. |
| 2 | Determined the required change and impact to overall application | Since this change is localized used for edit user screen from users.js. Impact is minimal and localized to this method caller form users.js |

**Time spent (in minutes):** 15

# Actualization

Using the table below, describe each step you followed when changing the code. Include as many details as possible, including why classes/methods were modified, added, removed, renamed, etc.

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | We update the validate method in EditViewModel | Removed the condition when empty passwords are marked as error |
| 2 | We committed our changes with git. | To track our changes and also in case we need to revert our changes. |

**Time spent (in minutes):** 15

# Validation

Using the table below, describe any validation activity (e.g., testing, code inspections, etc.) you performed for this change request. Include the description of each test case, the result (pass/fail) and its rationale.

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | Test case defined: Valid data - Password and verify password are empty  Inputs: Do not edit password and verify password to make those fields to empty  Expected output: User data is saved. | This is the expected behavior.  The test passed. |
| 2 | Test case defined: Invalid data - Password field is empty while verify password is not empty  Inputs: Do not edit password and enter verify password with a text value  Expected output: Error message stating mismatched password | This is the expected behavior.  The test passed. |
| 3 | Test case defined: Invalid data – Password field with verify password is empty  Inputs: Edit password with a text value and Do not enter verify password  Expected output: Error message stating mismatched password | This is the expected behavior.  The test passed. |
| 4 | Test case defined: Valid data - Password and verify password are updated  Inputs: Enter password and verify password with matching text  Expected output: User data is saved. | This is the expected behavior.  The test passed. |

**Time spent (in minutes):** 15

# Timing

Summarize the time spent on each phase.

|  |  |
| --- | --- |
| Phase Name | Time (in minutes) |
| Concept location | 41 |
| Impact Analysis | 15 |
| Prefactoring |  |
| Actualization | 15 |
| Postfactoring |  |
| Verification | 15 |
| Total | 86 |

# Reverse engineering

# Conclusions

For this change, concept location was slightly confusing due to lack of expertise with jquery. Because change required is small and code is not complicated we are able to identify Concept location, impact analysis, actualization was done using IDE IntelliJ, which was very useful. Verification was performed manually with above listed test cases.

Classes and methods changed:

* + app\femr\ui\models\admin\users\EditViewModel.java
    - public List<ValidationError> validate()