

## Change Request Log fEMR-158

### Team 5

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### Change Request

*Don't require the user editing a user to fill out the "Change User Password" input fields*

If someone tries to edit a user, the "Change User Password" input fields are required.

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

### Concept Location

Step	Description	Rationale
1	Run fEMR. Go to the admin panel and try to modify a user.	To understand the issue that needs to be resolved
2	Browse the package tree and check <b>UserService</b> .	We realized the Play Framework uses an MVC architecture, and thought the business logic for this kind of decision would be inside a controller or similar class. Looking through the package hierarchy this class looked appropriate. However, the validation logic wasn't found here.
3	Searched for string " <b>password field is empty</b> ", which is found in class <b>EditViewModel</b>	This message is displayed in the client when validation fails. We thought this message would be found in the class where the logic for this constraint was specified.
4	Examine method <b>validate()</b> of class <b>EditViewModel</b>	The name of this method suggested it would implement this logic. It does and concept location ended.

Time spent (in minutes): 10

## Impact Analysis

Step	Description	Rationale
1	Examine class <b>EditViewModel</b>	We noticed all the validations are carried out inside the method <b><i>validate()</i></b> . Since this method is only called by the framework and has no side effects, no other changes are necessary.

Time spent (in minutes): 2

## Actualization

Step	Description	Rationale
1	Modify method <b><i>validate()</i></b> of class <b>EditViewModel</b>	Changed it so it only validates the “new password” and “new password verify” fields if at least one of them is filled out.

Time spent (in minutes): 5

## Validation

Step	Description	Rationale
1	Modified a user without editing Change password fields	To make sure that the Change Password field is not required unless it is modified
2	Modified a user and editing Change password fields	To make sure that the Change Password field validations are still working

Time spent (in minutes):5

## Timing

Phase	Time (in minutes)
Concept Location	10
Impact Analysis	2
Prefactoring	0
Actualization	5
Postfactoring	0
Validation	5
<b>Total</b>	<b>22</b>

## Reverse Engineering

Diagrams are included along with this document. The fields and methods included in the class diagram are mostly restricted to the ones we had to modify or use for impact analysis.

## Conclusions

For this change, concept location was relatively easy because we were able to quickly identify the place where the changes needed to be done by doing a simple text search of any occurrence of the validation error message within the project. Impact analysis was also easy because the changes did not propagate to any classes other than the one where the concept was implemented.

Classes changed:

- \femr-master\app\femr\ui\models\admin\users\EditViewModel.java

Method changed:

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