

Phase 3

CEN4021 Spring Class fEMR Project fEMR – 173 AND 174

Group Number 10

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FEMR172/173: Let a user edit problems after they submit them in the Pharmacy module
<https://teamfemr.atlassian.net/browse/FEMR-173>

FEMR172/174: Track the changes that are made to a problem (who, what, when)
<https://teamfemr.atlassian.net/browse/FEMR-174>

Concept Location

The table below describes where we made changes to successfully manipulate the code for fEMR 173 and fEMR 174. 173 was simple enough that we decided to add it into 174's change request.

Steps	Description	Rationale
1	We logged into the system	
2	We started looking in the UI→Controller folder.	This would be the most likely source for our diagnosis section
3	We found the html code for the Diagnosis tabs in the UI→views→partials→medical→tabs→treatmentTab.scala.html We created the necessary code to be able to track physicians' changes to the diagnosis field	

Time spent (min): 30

Impact Analysis

Steps	Description	Rationale
1	We looked at what could possibly be affected by simply undoing the 'readonly' restriction	This did no damage to surrounding code. Simply removing it allowed others to make adjustments.
2	174 was a little more complicated. It required manipulating code in the indexEncounter.scala.html file so that users could enter in the three required fields for tracking changes. Adding the fields would do nothing to surrounding code and as long as we didn't add anything too complex the actual recording also wouldn't do much to surrounding areas.	
3	Everything else was unaffected	

Time spent (min) 20 min

Prefactoring/Actualization/Postfactoring

We had to add a Diagnostic History. We had to add three fields that enabled us to add and store physicians' names so that users could see who previously edited information.

The following code was added:

Lines 185 to 194 on UI→views→history→indexEncounter.scala.html

This simply included us adding the correct fields and enabling a save feature that saved the name of the physician who edited the diagnosis tab.

173, on line 20 of UI→views→partials→medical→tabs→treatmentTab.scala.html was simply removing the readonly restriction.

Time spent (min): 130

Validation

Steps	Description	Rationale
1	Did the readonly tag get removed and did it give the desired result.	Yep!
2.	Added information for a physician's edit to make sure that it stuck after the submit	Record was saved

Time spent(min): 20

Timing

Phase	Time(min)
Concept Location	30
Impact Analysis	20
Prefactoring	1.5
Actualization	
Postfactoring	
Verification	20
Total	220

Conclusions

fEMR-173 was pretty simple. 174 was a bit more difficult. 174 involved manicuring more code and a little more testing was required and more frustration was had. Creating the fields wasn't too difficult but trying to find the right bits of code and the right code to inject took a lot of time.