Iteration 1B Code Review #54

Edit New issue

Closed **ghost** opened this issue on Nov 2, 2017 · 5 comments



ghost commented on Nov 2, 2017 • edited by ghost

- Admin Diagnosis Backend https://github.ncsu.edu/engr-csc326-fall2017/csc326-TP-204-1/blob/development/iTrust2/src/main/java/edu/ncsu/csc/itrust2/controllers/api/APIDiagnosisController.java
- Admin Diagnosis frontend https://github.ncsu.edu/engr-csc326-fall2017/csc326-TP-204-1/blob/development/iTrust2/src/main/resources/views/admin/controlDiagnoses.html
- OfficeVisit diagnosis backend https://github.ncsu.edu/engr-csc326-fall2017/csc326-TP-204-1/blob/development/iTrust2/src/main/java/edu/ncsu/csc/itrust2/controllers/api/APIOfficeVisitController.java
- OfficeVisit diagnosis frontend
  - https://github.ncsu.edu/engr-csc326-fall2017/csc326-TP-204-1/blob/development/iTrust2/src/main/resources/views/hcp/documentOfficeVisit.html
  - https://github.ncsu.edu/engr-csc326-fall2017/csc326-TP-204-1/blob/development/iTrust2/src/main/resources/views/hcp/editOfficeVisit.html
  - https://github.ncsu.edu/engr-csc326-fall2017/csc326-TP-204-1/blob/development/iTrust2/src/main/resources/views/patient/viewOfficeVisits.html
  - https://github.ncsu.edu/engr-csc326-fall2017/csc326-TP-204-1/blob/36-test-hcp-edit-demographics/iTrust2/src/test/java/edu/ncsu/csc/itrust2/cucumber/HCPEditDemographicsStepDefs.java

Assignees

No one—assign yourself

Labels

code review

Projects

None yet

Milestone

No milestone

Linked pull requests

Successfully merging a pull request may close this issue.

None yet

0 participants

Pin issue



ghost commented on Nov 2, 2017 Author

[redacted]

HCPEditDemographicsStepDefs.java

Feature file

- Your features do not have any preconditions, but the system test plan does. You need to make sure that the HCP that is going to perform the edit and the patient to be edited both exist in the system before the test runs.
- How does the cucumber know who it is editing? There seems to be no indication of the tests selecting a user to change or verifying that the values are different from what they were originally.
- Good job on the error cases, these seem to cover a lot of cases (though the columns aren't lined up D:)
- It looks like there may be a copy-paste error in your second test. Several of the columns appear to have the column header as the value for many of the rows. Example: city, state.

Step Def

- "The demographics are updated unsuccessfully" test is empty
- It appears that your "the HCP fill in (.), (.), (.), (.), (.), (.), (.), (.), (.), (.), (.*) demographics" method does not actually select a patient to be edited. Granted we have not looked at the page, but it would seem from the requirements to be a necessary step.
- Consider making some of the regex more robust. Add `^` to the front of the string and `$` to the end of the string to ensure that it matches only that test exactly. I am also concerned that "I log in as a HCP" exists somewhere else, or at least has something with a very similar name.

View Office Visits

viewOfficeVisits.html

- I like the decision to keep the UI simple and clean on the patient side - only showing the name of the diagnosis to the patient.
- It looks like on line 53 you make a call to load all of the diagnoses and then you do not use that information elsewhere. Consider removing this to avoid memory issues/showing too much to the user/bugs later from people seeing unused code.

Diagnoses

controlDiagnoses.html

- On line 102ish you make a GET request to the diagnosis endpoint. Earlier, on line 20, you defined `$scope.getDiagnoses` as a function that does just that. Please replace this with the function call for consistency and readability.
- On line 175 you make another GET request for a specific diagnosis. Is this information not already stored in the `$scope.diagnoses` variable? If you update that one do you also need to update the one in the list?
- Any edit/add/delete needs to update the list that is stored client side. It appears that you have done this in many places, but in an inconsistent manner (see the above comments). Make sure that the code has consistent behavior for all of these cases.

APIDiagnosisController.java

- Your PUT/POST mappings (and GET mappings for that matter) do not have any authentication on them. This means that although only and admin can view the page, any user can add or edit these. While much of the system does this in other places, consider adding this to the new code that you add for robustness.
- On line 70 the SELECT from the database does not need to be made until after the null check on line 71. This is very minor, but it would potentially save you some calls to the db which can be very expensive, especially at scale.
- line 70 also contains a possible SQL injection issue on `Diagnosis.getWhere( "code = '" + diagF.getCode() + "'" );` since you do not sanitize the code. Consider using the code from the constructed Diagnosis object on line 69 since it should have sanitization performed on construction.
- You appear to have handling of the delete failing for DELETEing diagnoses. I assume this is to cover the situation in which the diagnosis is referenced by an office visit and therefore cannot be deleted. This is good! However, you may wish to note in the API controller and the front end why this may happen, because it is not obvious unless you are very familiar with the internals of

the system (hooray for foreign key violations).



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edited by ghost

Author

[redacted]

APIOfficeVisitController

- nice job wrapping error handling in json (line 70-73, 98-99, etc.)

documentOfficeVisit.html

- Consider using a more efficient way to clear your fields. i.e. `$scope.visit = {};` instead of lines 219-226
- Indent for loops to make them more readable (line 200, etc.)
- We like how you display the diagnosis code and the name (line 417-418)
- Diagnosis codes are currently a radio button but it might be better to use a drop down if there's a lot of codes in the system. (lines 416-418)
- It's a nice touch to add a clear all fields button (line 427)

editOfficeVisit.html

- Consider using a more efficient way to clear your fields. i.e. `$scope.visit = {};` instead of lines 274-281
- Indent for loops to make them more readable (line 254, etc.)

- [ ] For the edit patient demographics tab has the id of "upcomingrequests" which looks like a copy paste error. The id should be "editDemographics." (line 316)

- Diagnosis codes are currently a radio button but it might be better to use a drop down if there's a lot of codes in the system. (lines 477-481)

HCPEditDemographicsStepDefs

- consider adding ^ and $ in the `@when` tags. This isn't necessary but something that could help out in the future. i.e line 31 `@When ( "^I log in as a HCP$" )`
- [ ] Need to add more javadocs for the stepdefs
- editDemoUnsuccess has no code in the method, I don't know if this was intentional or not. (line 117)

Diagnosis.java

- Consider using regex parsing for parsing the diagnosis code. It would be much cleaner. (line 70-73)
- Consider making the code parsing it's own method so you don't have to copy and paste the same parsing multiple times. (lines 64, 103)

Other

- make sure your wiki has a user guide



ghost commented on Nov 2, 2017 •
edited by ghost

Author

[redacted] responses to code review

APIDiagnosisController.java

- Your PUT/POST mappings (and GET mappings for that matter) do not have any authentication on them. This means that although only and admin can view the page, any user can add or edit these. While much of the system does this in other places, consider adding this to the new code that you add for robustness. *Admin diagnoses has been updated to have a security context.*
- On line 70 the SELECT from the database does not need

to be made until after the null check on line 71. This is very minor, but it would potentially save you some calls to the db which can be very expensive, especially at scale. *I moved that line after the null check.*

- line 70 also contains a possible SQL injection issue on `Diagnosis.getWhere( "code = '" + diagF.getCode() + "'" );` since you do not sanitize the code. Consider using the code from the constructed Diagnosis object on line 69 since it should have sanitization performed on construction. *updated*
- You appear to have handling of the delete failing for DELETEing diagnoses. I assume this is to cover the situation in which the diagnosis is referenced by an office visit and therefore cannot be deleted. This is good! However, you may wish to note in the API controller and the front end why this may happen, because it is not obvious unless you are very familiar with the internals of the system (hooray for foreign key violations). *Thanks!*

APIOfficeVisitController

- nice job wrapping error handling in json (line 70-73, 98-99, etc.) *Thanks!*

Diagnosis.java

- Consider using regex parsing for parsing the diagnosis code. It would be much cleaner. (line 70-73) *We did not use regex for readability for those who are not good at that :)*
- Consider making the code parsing it's own method so you don't have to copy and paste the same parsing multiple times. (lines 64, 103) *Moved that code to its own method.*

ghost pushed a commit that referenced this issue on Nov 2, 2017

`#54 changes related to Diagnoses backend` `1acf9e5`

ghost pushed a commit that referenced this issue on Nov 2, 2017

`Changed redundant get requests to function` `57b7185`

call. ...

ghost mentioned this issue on Nov 2, 2017

Changed redundant get requests to function call. #57 Merged

ghost commented on Nov 2, 2017 Author

#57 implements all the improvements recommended for controlDiagnoses.html .

ghost pushed a commit that referenced this issue on Nov 3, 2017

`#54 #25 removed call to load diagnoses which was unnecessary` `0f53890`

ghost pushed a commit that referenced this issue on Nov 3, 2017

`#54 #26 better approach for clearing fields, fixed menu id` `357cf55`

ghost commented on Nov 3, 2017 Author

documentOfficeVisit.html and editOfficeVisit.html:

- Changed clearing fields to suggested approach (I didn't know it was that simple. This is so much better!)
- Fixed for Edit Patient Demographics drop down.
- By changing how fields are cleared, there are no longer loops so nothing to indent.
- I also wanted to use radio buttons and have suggested this, but as a group we decided to keep radio buttons to be consistent with other fields (hospital, type, smoking status). Because there is a scroll bar for the form, we felt this was acceptable.

viewOfficeVisits.html

- Removed the call getting the diagnoses since it was not needed.

This addresses all feedback about these three files.

ghost pushed a commit that referenced this issue on Nov 4, 2017

`#54 make sure hibernategenerator is creating the diagnoses before eac…` `...` `8786541`

ghost mentioned this issue on Nov 4, 2017

54 [redacted] fixes #61 Merged

ghost closed this on Nov 6, 2017

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ghost assigned **ghost** on Nov 20, 2017

ghost added the `code review` label on Nov 20, 2017

coedean-ghe-auto-svc unassigned **ghost** on Jun 25, 2019

coedean-ghe-auto-svc unassigned **ghost** on Oct 25, 2019

This issue was **closed**.
