**Integration Test Plan - Expand Rationale Management**

**Introduction**

Expand Rationale Management features two new features on top of the previously added Rationale Management. It adds the ability to expand and collapse the Rationale Info. Along with the ability to "Edit" a previously added Rationale Info or "Delete" a previously added Rationale Info.

**Preconditions**

1. The user follows Login use case flow to access ClubUML.
2. The user has already uploaded two valid diagrams of the same type (following UploadDiagram flow of events), and also of the same Context.
3. The user has selected a project from the welcome page that is enabled.
4. The user is using the proper database schema- use ClubUMLSpring2014/db/rationale.db to create the rationale entity in the clubuml schema.

**Flow of events**

1. The user follows Login use case flow to access ClubUML.
2. The user selects two diagrams from the list of diagrams in the project, which are the same type as well as Context, and have been output by the same piece of software to ensure compatibility.
3. The user clicks “Go To Compare” button for the selected diagram of the same type.
4. ClubUML generates a detailed comparison report in a display panel within the web page including the diagram.
5. The User clicks the Compare button to allow the user to identify which diagram to promote, ClubUML displays both Diagrams that are being compared with an option to promote the better Diagrams. In the same page, ClubUML displays panel indicating that Diagram has been promoted and list of suggestions why the recommendation was made including the refactoring score of each diagram.

The user has the option to click the PromoteButton to provided recommendations.

1. The user Clicks “Promote” Button to promote a preferred diagram and add the following options in the Dialog Box:
   1. **Summary**: Larger text input box to allow for multi-sentence input
   2. **Issue**: Small text input box meant for the issue name.
   3. **IssueRelationship**: Larger text input box that prompts for an explanation of how the issue relates to the superiority of the chosen diagram.
   4. **Criteria**: Small text input box meant for the criteria name.
   5. **CriteriaRelationship**: Larger text input box that prompts for an explanation of how the criteria relates to the superiority of the chosen diagram.
   6. **PromoteButton**: Saves input and dismisses dialog box.
   7. **CancelButton**: Discards input and dismisses dialog box.
2. The user has the ability to provide a structured reasoning on why he/she is promoting one diagram over the other.
3. The user then clicks the Promote button to promote the Diagram or Cancel button.

**Prerequisites Steps:**

1. Login into ClubUML
2. Select Project TAB
3. Select a Project with two Class Diagrams to Compare.
4. Under the Display Column, Select the two Class Diagram to Compare
5. Click on the “Go To Compare” Button.
6. Once two Images appear on the Compare Diagrams Page, Select the Compare Button.
7. Next Page provides a display of both Diagrams

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| **Test Case** | | | | |
| **TC ID** | **Condition Being Tested** | **Step Description** | **Expected Result** | **Pass/Fail** |
| RM1 | Rationale Info Box 1 –Rationale Info displays Collapsed. | 1. Click on Promote Button for Diagram1 to View Dialog Box 2. Type the following information into the Summary Text Box:   *“I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.”*   1. Type the following information into the Issue Text Box:   *“If you don't start pulling your weight around here...”*   1. Type the following information into the Issue Relationship Text Box:   *“If you don't start pulling your weight around here its going to be shape up, or... ship up.”*   1. Type the following information into the Criteria Text Box:   *“*Hola, is Rosa still alive? No? Well this is not my day”   1. Type the following information into the Criteria Relationship Text Box:   *“Great, now I'm gonna smell to high heaven like a tuna melt!*Te quiero*. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”*   1. Click on Promote to save the provided recommendations. | The Rationale Info Box for Diagram 1 should display a black bordered box with a red "+" (plus sign) on the left followed by the date the rationale info was added, the user, and diagram 1 name vs diagram 2 name. | Pass |
| RM2 | Rationale Info Box 1 –Display Expanded Rationale Info. | Follow Steps for Test Case RM1.   1. On the Rationale Info Diagram 1 display for newly added Rationale Info, click the "+" (Plus Sign). | 1. Once the "+" (Plus sign) is clicked, the bordered box should become expanded. The expansion will display all information that was entered part of the promotion.  2. The information should contain what was entered:  Summary: I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.  Issue: If you don't start pulling your weight around here...  Issue Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.  Criteria: Hola, is Rosa still alive? No? Well this is not my day  Criteria Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.  3.Below all the information should be two icons, a pencil icon for Edit and a X icon for Delete. | Pass |
| RM3 | Rationale Info Box 1 –Delete Rationale Info Confirmation Alert. | Follow Steps for Test Case RM1.   1. On the Rationale Info Diagram 1 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the X icon to delete the Rationale Info. | 1. Upon clicking on the X icon, an Alert should pop-up, "Are you sure you want to delete?" with OK and Cancel. | Pass |
| RM4 | Rationale Info Box 1 –Delete Rationale. | Follow Steps for Test Case RM1.   1. On the Rationale Info Diagram 1 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the X icon to delete the Rationale Info. 3. Click "OK" on the Alert when asked "Are you sure you want to delete?" | 1. The Rationale Info for Diagram 1 should no longer contain the Rationale Info for the one deleted. | Pass |
| RM5 | Rationale Info Box 1 –Cancel deleting Rationale. | Follow Steps for Test Case RM1.   1. On the Rationale Info Diagram 1 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the X icon to delete the Rationale Info. 3. Click "Cancel" on the Alert when asked "Are you sure you want to delete?" | 1. The Rationale Info for Diagram 1 should still contain the Rationale Info box that was attempted to be deleted. | Pass |
| RM6 | Rationale Info Box 1 –Edit Rationale should display Promote Dialog. | Follow Steps for Test Case RM1.   1. On the Rationale Info Diagram 1 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the pencil icon to edit the Rationale Info. | 1. The Promote Dialog should reappear.  2. The text boxes should be pre-filled with the text previously entered and displayed for the respective sections.  Summary: I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.  Issue: If you don't start pulling your weight around here...  Issue Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.  Criteria: Hola, is Rosa still alive? No? Well this is not my day  Criteria Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.” | Pass |
| RM7 | Rationale Info Box 1 –Edit Rationale should display modified data. | Follow Steps for Test Case RM1.   1. On the Rationale Info Diagram 1 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the pencil icon to edit the Rationale Info. 3. Change the contents with the following:   *Summary: I made a huge no mistake...*  *Issue: Hola, is Rosa still alive? No? Well this is not my day*  *Issue Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”*  *Criteria: If you don't start pulling your weight around here...*  *Criteria Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.*   1. Click on Promote Button | 1. The Rationale Info for Diagram 1 should now have an updated timestamp.  2. Expanding the Rationale Info, the respective fields should contain the modified info.  Summary: I made a huge no mistake...  Issue: Hola, is Rosa still alive? No? Well this is not my day  Issue Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”  Criteria: If you don't start pulling your weight around here...  Criteria Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up. | Pass |
| RM8 | Rationale Info Box 1 –Cancel editing of Rationale Info. | Follow Steps for Test Case RM1.   1. On the Rationale Info Diagram 1 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the pencil icon to edit the Rationale Info. 3. Change the contents with the following:   *Summary: I made a huge no mistake...*  *Issue: Hola, is Rosa still alive? No? Well this is not my day*  *Issue Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”*  *Criteria: If you don't start pulling your weight around here...*  *Criteria Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.*   1. Click on Cancel Button | 1. The Rationale Info for Diagram 1 should still be the same timestamp.  2. Expanding the Rationale Info, the respective fields should contain the same info.  Summary: I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.  Issue: If you don't start pulling your weight around here...  Issue Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.  Criteria: Hola, is Rosa still alive? No? Well this is not my day  Criteria Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.” | Pass |
| RM9 | Rationale Info Box 2 –Rationale Info displays Collapsed. | 1. Click on Promote Button for Diagram2 to View Dialog Box 2. Type the following information into the Summary Text Box:   *“I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.”*   1. Type the following information into the Issue Text Box:   *“If you don't start pulling your weight around here...”*   1. Type the following information into the Issue Relationship Text Box:   *“If you don't start pulling your weight around here its going to be shape up, or... ship up.”*   1. Type the following information into the Criteria Text Box:   *“*Hola, is Rosa still alive? No? Well this is not my day”   1. Type the following information into the Criteria Relationship Text Box:   *“Great, now I'm gonna smell to high heaven like a tuna melt!*Te quiero*. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”*   1. Click on Promote to save the provided recommendations. | The Rationale Info Box for Diagram 2 should display a black bordered box with a red "+" (plus sign) on the left followed by the date the rationale info was added, the user, and diagram 2 name vs diagram 1 name. | Pass |
| RM10 | Rationale Info Box 2 –Display Expanded Rationale Info. | Follow Steps for Test Case RM9.   1. On the Rationale Info Diagram 2 display for newly added Rationale Info, click the "+" (Plus Sign). | 1. Once the "+" (Plus sign) is clicked, the bordered box should become expanded. The expansion will display all information that was entered part of the promotion.  2. The information should contain what was entered:  Summary: I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.  Issue: If you don't start pulling your weight around here...  Issue Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.  Criteria: Hola, is Rosa still alive? No? Well this is not my day  Criteria Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.  3.Below all the information should be two icons, a pencil icon for Edit and a X icon for Delete. | Pass |
| RM11 | Rationale Info Box 2 –Delete Rationale Info Confirmation Alert. | Follow Steps for Test Case RM9.   1. On the Rationale Info Diagram 2 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the X icon to delete the Rationale Info. | 1. Upon clicking on the X icon, an Alert should pop-up, "Are you sure you want to delete?" with OK and Cancel. | Pass |
| RM12 | Rationale Info Box 2 –Delete Rationale. | Follow Steps for Test Case RM9.   1. On the Rationale Info Diagram 2 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the X icon to delete the Rationale Info. 3. Click "OK" on the Alert when asked "Are you sure you want to delete?" | 1. The Rationale Info for Diagram 2 should no longer contain the Rationale Info for the one deleted. | Pass |
| RM13 | Rationale Info Box 2 –Cancel deleting Rationale. | Follow Steps for Test Case R9.   1. On the Rationale Info Diagram 2 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the X icon to delete the Rationale Info. 3. Click "Cancel" on the Alert when asked "Are you sure you want to delete?" | 1. The Rationale Info for Diagram 2 should still contain the Rationale Info box that was attempted to be deleted. | Pass |
| RM14 | Rationale Info Box 2 –Edit Rationale should display Promote Dialog. | Follow Steps for Test Case RM9.   1. On the Rationale Info Diagram 2 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the pencil icon to edit the Rationale Info. | 1. The Promote Dialog should reappear.  2. The text boxes should be pre-filled with the text previously entered and displayed for the respective sections.  Summary: I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.  Issue: If you don't start pulling your weight around here...  Issue Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.  Criteria: Hola, is Rosa still alive? No? Well this is not my day  Criteria Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.” | Pass |
| RM15 | Rationale Info Box 2 –Edit Rationale should display modified data. | Follow Steps for Test Case RM9.   1. On the Rationale Info Diagram 2 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the pencil icon to edit the Rationale Info. 3. Change the contents with the following:   *Summary: I made a huge no mistake...*  *Issue: Hola, is Rosa still alive? No? Well this is not my day*  *Issue Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”*  *Criteria: If you don't start pulling your weight around here...*  *Criteria Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.*   1. Click on Promote Button | 1. The Rationale Info for Diagram 2 should now have an updated timestamp.  2. Expanding the Rationale Info, the respective fields should contain the modified info.  Summary: I made a huge no mistake...  Issue: Hola, is Rosa still alive? No? Well this is not my day  Issue Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”  Criteria: If you don't start pulling your weight around here...  Criteria Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up. | Pass |
| RM16 | Rationale Info Box 2 –Cancel editing of Rationale Info. | Follow Steps for Test Case RM9.   1. On the Rationale Info Diagram 2 display for newly added Rationale Info, click the "+" (Plus Sign). 2. Once expanded, click on the pencil icon to edit the Rationale Info. 3. Change the contents with the following:   *Summary: I made a huge no mistake...*  *Issue: Hola, is Rosa still alive? No? Well this is not my day*  *Issue Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.”*  *Criteria: If you don't start pulling your weight around here...*  *Criteria Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.*   1. Click on Cancel Button | 1. The Rationale Info for Diagram 2 should still be the same timestamp.  2. Expanding the Rationale Info, the respective fields should contain the same info.  Summary: I made a huge tiny mistake. There are dozens of us! Dozens! If you're suggesting I play favorites, you're wrong. I love all of my children equally.  Issue: If you don't start pulling your weight around here...  Issue Relationship: If you don't start pulling your weight around here its going to be shape up, or... ship up.  Criteria: Hola, is Rosa still alive? No? Well this is not my day  Criteria Relationship: Great, now I'm gonna smell to high heaven like a tuna melt! Te quiero. English, please. I love you! Great, now I'm late. Perhaps an attic shall I seek.” | Pass |
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