Change request log

# Team

Kyle Bolin – Navigator

John McGlumphy - Driver

# Change Request

Change Request #4

# Concept Location

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | *We ran the system* |  |
| 2 | *We interacted with the system: after logging in we entered the schedule screen.* | *To get familiar with some of the features of the system, and identify the screens or graphical elements we had to change.* |
| 3 | *We Looked at the RecentFilesProvider.java to see how it does the clear button* | *To see if we can just copy the code over* |
| 4 | *We then found the RecentDirectoriesprovider.java file and found that it was missing the clear code files had* | *This is the class that runs that sections of the drop down menu* |
| 5 | *We Inspected how the Menu gui made labels and found jedit\_en.props* | *To see if we just had to add a line or 2 of code* |
| 6 | *We found how the clear recent files button was made* | *Now we just need to edit for out purposes* |
| 7 | *We marked the class RecentDirectoriesProvider.java and jedit\_en.props as "located".* | *We confirmed this class had to be modified.* |

**Time spent (in minutes):** 90

# Impact Analysis

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | *We made a list of methods called by RecentFilesProvider.java* | *To track the classes that could be impacted by the change.* |
| 2 | *We found that the changes we would implement didn’t change the functionality of the classes* | *Since it was a method to add gui buttons, adding more buttons to the gui wouldn’t change how the button creation method works* |
| 4 | *We concluded that adding or changes would impact the core functionality* | *Because the function was already there we just had to write in the code to add it back* |

**Time spent (in minutes):** 20

# Actualization

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | *We copied the required lines from RecentFilesProvider.java to RecentDirectoriesProvider.java and renamed some variables so they fit* | *It’s the same function so it should work on both drop down lists* |
| 2 | *We then edited the jedit\_en.prop to include the new label we wanted displayed for the button* | *To make our label actually appear* |
| 3 | *We also created a delete history method for the history model* | *To delete the lists* |

**Time spent (in minutes):** 30

# Validation

|  |  |  |
| --- | --- | --- |
| Step # | Description | Rationale |
| 1 | *The test cases in the build file* | *The existing tests will validate the program by running ant build* |
| 2 | *Use test to see if the button works* | *Manually going in to test the button* |

**Time spent (in minutes):** 10

# Timing

Summarize the time spent on each phase.

|  |  |
| --- | --- |
| Phase Name | Time (in minutes) |
| Concept location | 90 |
| Impact Analysis | 20 |
| Actualization | 30 |
| Verification | 10 |
| Total | 150 |

# Reverse engineering

Create a UML sequence diagram (or more if needed) corresponding to the main object interactions affected by your change.

Create a partial UML class diagram of the classes visited while navigating through the code. Include the associations between classes (e.g., inheritance, aggregations, compositions, etc.), as well as the important fields and methods of each class that you learn about. The diagram may have disconnected components. Use the UML tool of your preference. When a significant fact about a class or method is learned, indicate it via annotations on the diagram. **For each change request, start with the diagram produced in the previous change request. For the first, you will start from scratch.**

Diagram

Description automatically generated with low confidenceDiagram

Description automatically generated

# Conclusions

*For this change, the hardest part was concept location. Finding the code that needed to be modified was the hardest part because we had no familiarity of the code, so learning it took a bit. Actualization was the easiest because the code already existed, we just needed to add it to RecentDirectoriesProvider.java .*

*Classes and methods changed:*

* */org/jedit/localization/jedit\_en.props*
* */org/gjt/sp/jedit/menu/RecentDirectoriesProvider.java*
* */org/git/sp/jedit/menu/HistoryModel*
  + *Void deleteHistory()*