Change request #2 log

1. Concept Location

Step #	Description	Rationale
1	Installed and ran the system successfully	
2	Created a few random files with different names and saved them.	This step was done so that we could see some file names in the Recent files drop box.
3	Looked up for the keyword "Recentfiles" and there was only one class file (RecentFilesProvider.java) that was returned in the search which gave us the confirmation as in where we could perform the change.	This step was done to narrow down the search and make it easier to identify the classes which can change.

Time spent (in minutes): 40

Classes and methods inspected:
- org/gjt/sp/jedit/menu/RecentFilesProvider.java

2. Impact Analysis

Step #	Description	Rationale
1	While going through the code we found this statement "no-recent-files.label" and confirmed that the change has to be done here.	The "no recent files" label is returned when there are no files accessed and we open the drop-down box in the menu to see the recent files.
2	While we find the name of the recent file we need to type the string in the input box , this input string is retrieved using the getText() function in the code and was assigned to typedText variable.	We had to trace down the input string so that we could find out the pattern which is used for matching to search the name of the recent files.
3	Then figured out that the "regex" variable to be modified to make the change.	This regex variable was defined in a way that gives out the pattern for matching the file name only from the start, hence it had to be modified.

Time spent (in minutes): 13

org/gjt/sp/jedit/menu/RecentFilesProvider.java

- Update()

3. Actualization

Step #	Description	Rationale
1	Changed the pattern for the regex variable.	This change was done to get the name of the file to be highlight by matching the pattern which is not only present at the start of the file but anywhere

Time spent (in minutes): 2

Classes and methods inspected:

org/gjt/sp/jedit/menu/RecentFilesProvider.java

- Update()

Classes and methods changed:

org/gjt/sp/jedit/menu/RecentFilesProvider.java

- Update()

4. Validation

Step #	Description	Rationale
1	After making the change, we tested by giving different inputs to search the box for the recent files.	This step was done to check if the file names are being highlighted even if the search pattern is not present at the start of the file name. the test was passed.
2	Just to confirm if the change made by us was correct we again created a new set of files and tested the same.	The test was passed in this case too.

Time spent (in minutes): 10

5. Summary of the change request

Phase	Time (minutes)	No. of classes inspected	No. of classes changed	No. of methods inspected	No. of methods changes
Concept location	40	1	0	0	0
Impact Analysis	13	1	0	1	0
Actualization	2	1	1	1	1
Verification	10	1	0	1	0
Total	65	4	1	3	1

6. Conclusions

For this change, concept location was relatively easy because the search using the key word "recent files" returned just a single file. As we ran the system using IntelliJ we also performed all the above steps on the same, it didn't require us to use any other tool even for the testing. For the change in the system we just had to change a single line of code to get the desired results. So comparatively this change was very easy.