Change request log

1. Concept Location

Step#	Description	Rationale
1	We ran the system	
2	We interacted with the system	To get familiar with some of the features of the system
3	We created and saved few files	To check the existing implementation of searching through recent files
4	We used IDE's search functionality to search for "Recent Files" keyword	To get the file where change is required
5	We found the "regex" variable which checks the starting of the file names with the input in "RecentFilesProvider" class	We confirmed that this class needs to be modified

Time spent (in minutes): 30

- org\gjt\sp\jedit\menu\RecentFilesProvider.java
  - public void update

2. Impact Analysis

Step#	Description	Rationale
1	We made a list of methods that use the variable "regex"	To check if our change affects our change
2	We found only "update" method uses the variable "regex"	
3	We made a list of methods that call "update" method	To track the methods and classes that could be impacted by the change
4	We found no other method calls the "update" method	

Time spent (in minutes): 15

- org\gjt\sp\jedit\menu\RecentFilesProvider.java
  - public void update

3. Actualization

Step#	Description	Rationale
1	We changed the value of regular expression to check for input in the whole string instead of only beginning	We realized that the regex needs to be changed
2	We ran the existing unit tests	To make sure everything works
3	We ran the system with our changes	To make sure everything works and our changes are implemented correctly

Time spent (in minutes): 15

- org\gjt\sp\jedit\menu\RecentFilesProvider.java
  - public void update

4. Validation

Step#	Description	Rationale
1	Test case : input should match with the beginning of the file name	The test passed
2	Test case : input should match with any part of the file name	The test passed

Time spent (in minutes): 30

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	30	1	1	1	1
Impact Analysis	15	2	1	2	1
Actualization	15	1	1	1	1
Verification	30	1	1	1	1
Total	90	2	1	2	1

6. Conclusions

For this change concept location was moderately difficult as we had to check UI and backend components of the code. The actual code change was relatively small as we had to change only regex variable value. We performed the manual testing and made sure that the change works as intended.