

# Change request log

## 1. Team

Specify the team members working on this change request.

## 2. Change Request

Provide the id and description of the change request.

## 3. Concept Location

Step #	Description	Rationale
1	Searched classes in the repository for “Recent”	To search for code that deals with the Recent Files menu
2	Discovered the class <i>RecentFilesProvider</i>	Selected because it shares a similar name with the menu
3	Looked through the class to see where the search was being implemented	
4	Found the search functionality in public void update(JMenu menu)	
5	Decided that the ‘regex’ variable had to be modified	By changing the regex variable, the keyword can then be searched through the whole filename
6	Decided to modify regex by adding an additional asterisk	Allows the rest of the filename to be searched

**Time spent (in minutes):** 40

## 4. Impact Analysis

Step #	Description	Rationale
1	Searched for any classes related to <i>RecentFilesProvider</i>	To track the classes that could be impacted by the change.
2	Found that the Recent Files menu is the only item that uses <i>RecentFilesProvider</i>	We realized this class did not need to be changed because it did not impact any other areas

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

## 5. Actualization

Step #	Description	Rationale
1	Added an asterisk to the beginning of the regex string variable in the <i>RecentFilesProvider</i> class and the method public void update(JMenu menu)	Allows the search to find keywords at any point in the filename

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

## 6. Validation

Use the table below to describe any validation activity (e.g., testing, code inspections, etc.) you performed for this change request. Include the description of each test case, the result (pass/fail) and its rationale.

Step #	Description	Rationale
1	Built and ran tests using the newly edited code	Tests passed
2	Added files and used the Recent Files menu to search for keywords in the filenames	All matching strings in the filenames are highlighted, test passed

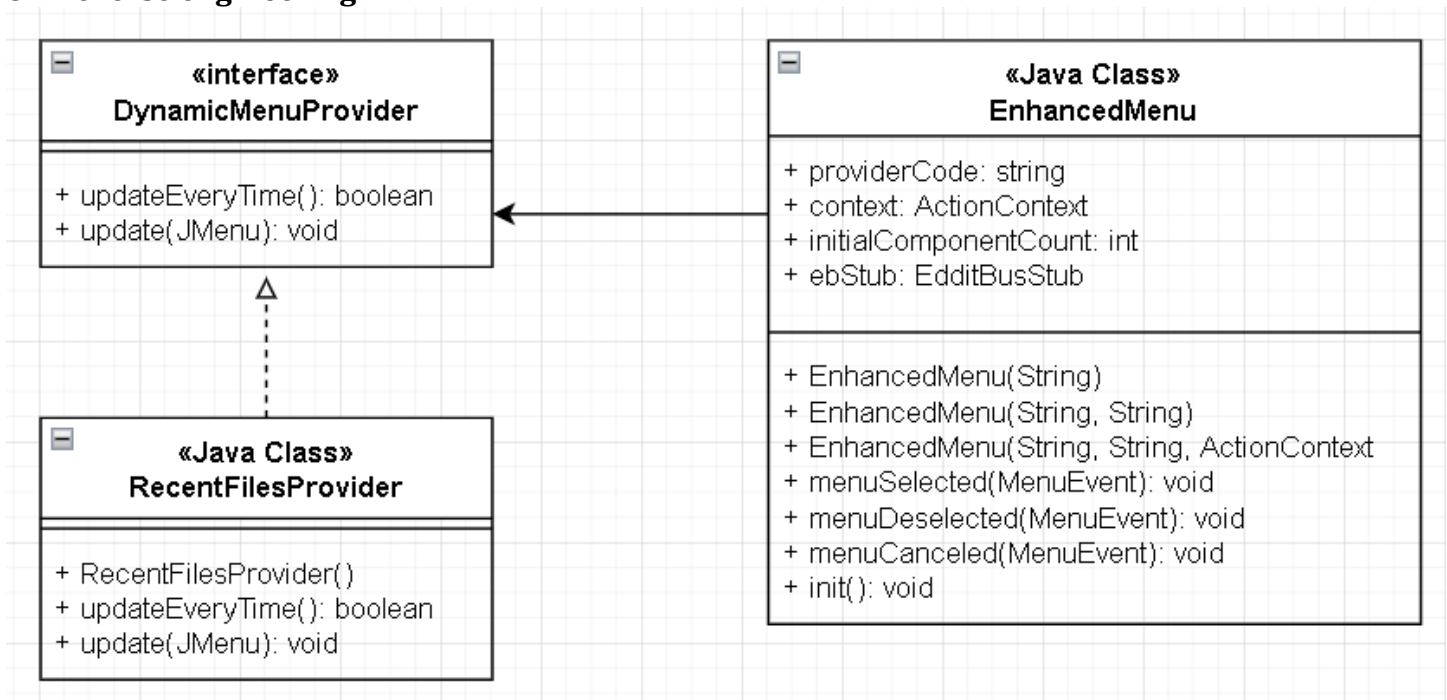
**Time spent (in minutes):** 20

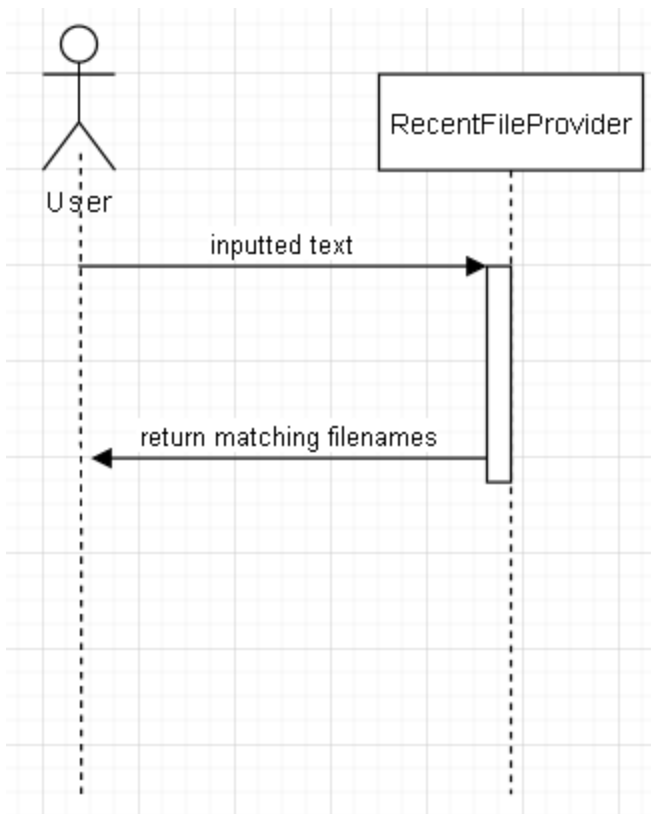
## 7. Timing

Summarize the time spent on each phase.

Phase Name	Time (in minutes)
Concept location	40
Impact Analysis	30
Actualization	30
Verification	20
<b>Total</b>	120

## 8. Reverse engineering





## 9. Conclusions

For this change, concept location was particularly easy due to the simple naming scheme of the RecentFilesProvider class, as well as the simplicity of the code. Impact analysis was also easy, as the RecentFilesProvider class had very little interaction with the rest of the code. This also made testing very easy, as no modifications needed to be made anywhere else.

Classes/Methods changed:

- org/gjt/sp/jedit/menu/RecentFilesProvider.java
  - void update(JMenu menu)