Code Smells:

1 -

jabref src -> model -> strings -> StringUtil:

Line 268-285 - Else-If chain could be a switch.

Solution:

!escaped could be checked at the beginning of a loop.

...

for (int i = 0; i < value.length(); i++) {

if (!escaped) {

char c = value.charAt(i);

switch(c) {

case '\\':

sb.append(c);

escaped = true;

continue;

case ':':

thisEntry.add(sb.toString());

sb = new StringBuilder();

break;

case ';':

thisEntry.add(sb.toString());

sb = new StringBuilder();

newList.add(thisEntry);

thisEntry = new ArrayList<>();

break;

default:

sb.append(c);

break;

}

escaped = false;

}

...

2 -

jabref src -> gui -> externalfiles -> FileFilterUtils:

Line 38-62 - isDuringLastX methods are extremely similar.

Solution:

Create a isDuringLastX method where the user provides the desired time scale

(day, week, month, year).

...

public boolean isDuringLast(LocalDateTime fileEditTime, int timeScale) {

LocalDateTime NOW = LocalDateTime.now(ZoneId.systemDefault());

if(timeScale==7)

return fileEditTime.isAfter(NOW.minusHours(timeScale));

else

return fileEditTime.isAfter(NOW.minusDays(timeScale));

}

...

3 -

jabref -> gui -> mergeentries -> DiffHighligting:

Lines 89-106: the INSERT case in the switch does nothing.

Solution:

Remove the INSERT case, as it's functionality is already covered by the default case.

...

switch (delta.getType()) {

case CHANGE:

for (String line : lines) {

result.set(startPos + offset, forChanged(line + separator));

offset++;

}

break;

case DELETE:

for (String line : lines) {

result.set(startPos + offset, forAdded(line + separator));

offset++;

}

break;

default:

break;

}

...