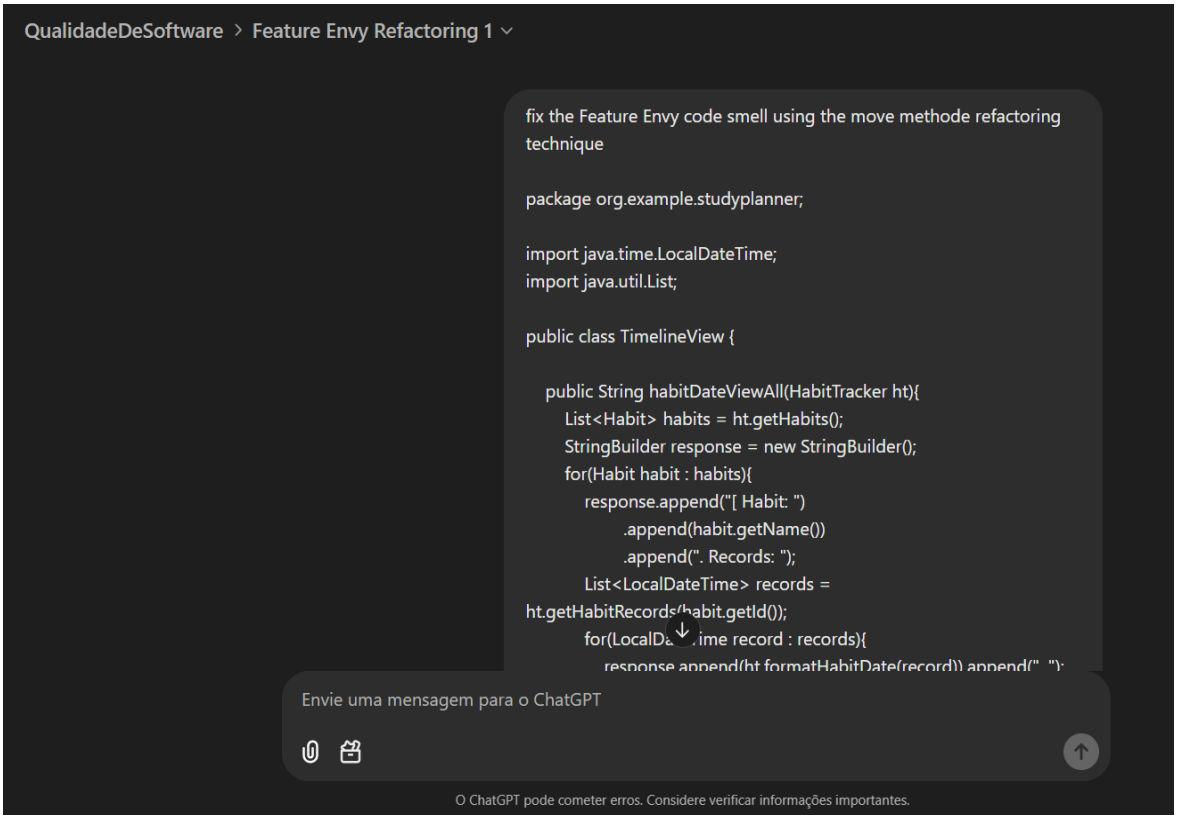
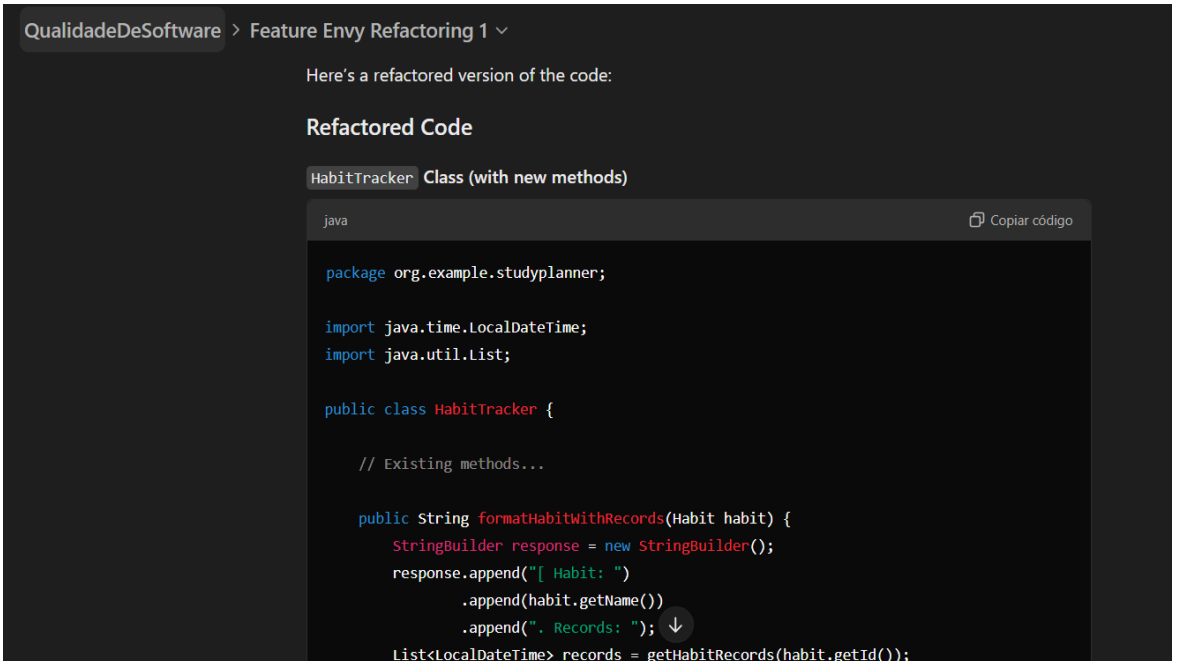
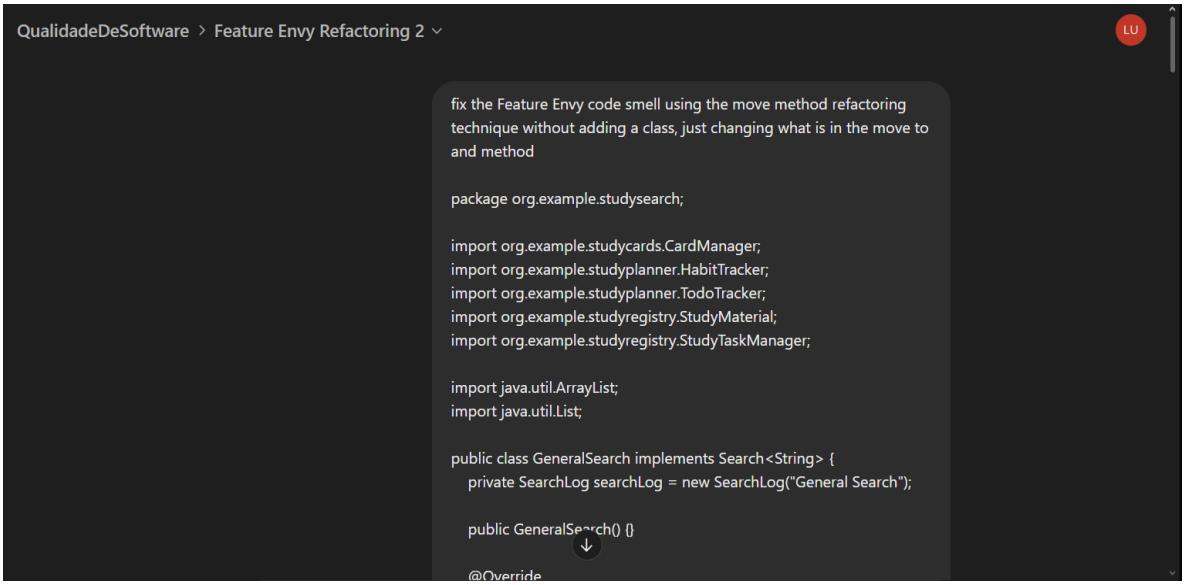
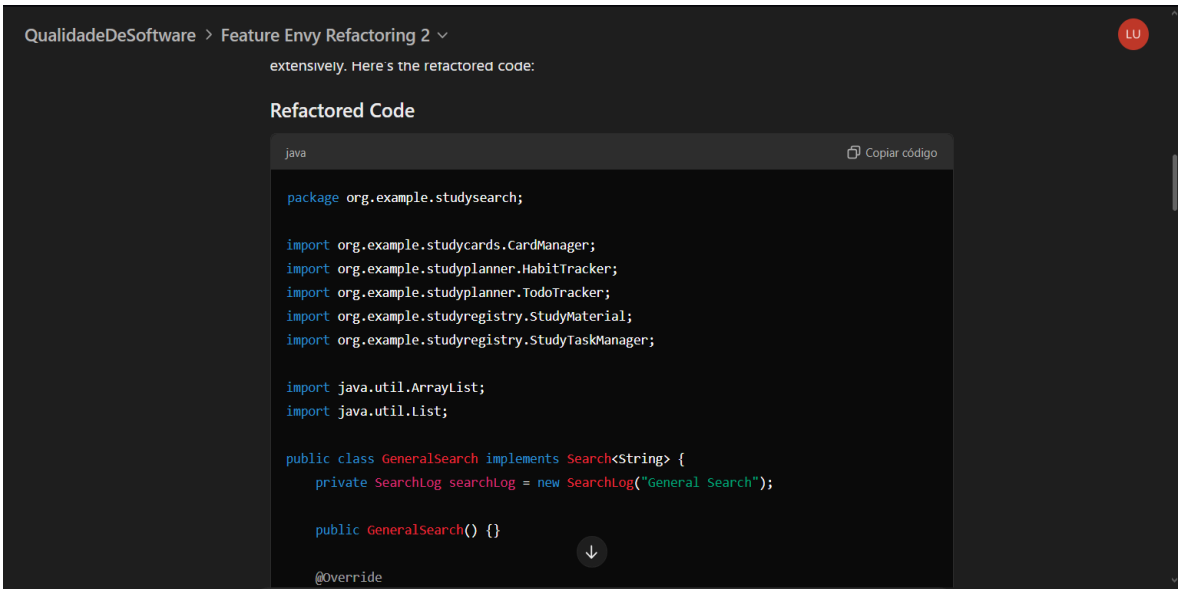
Feature Envy TimeLineView



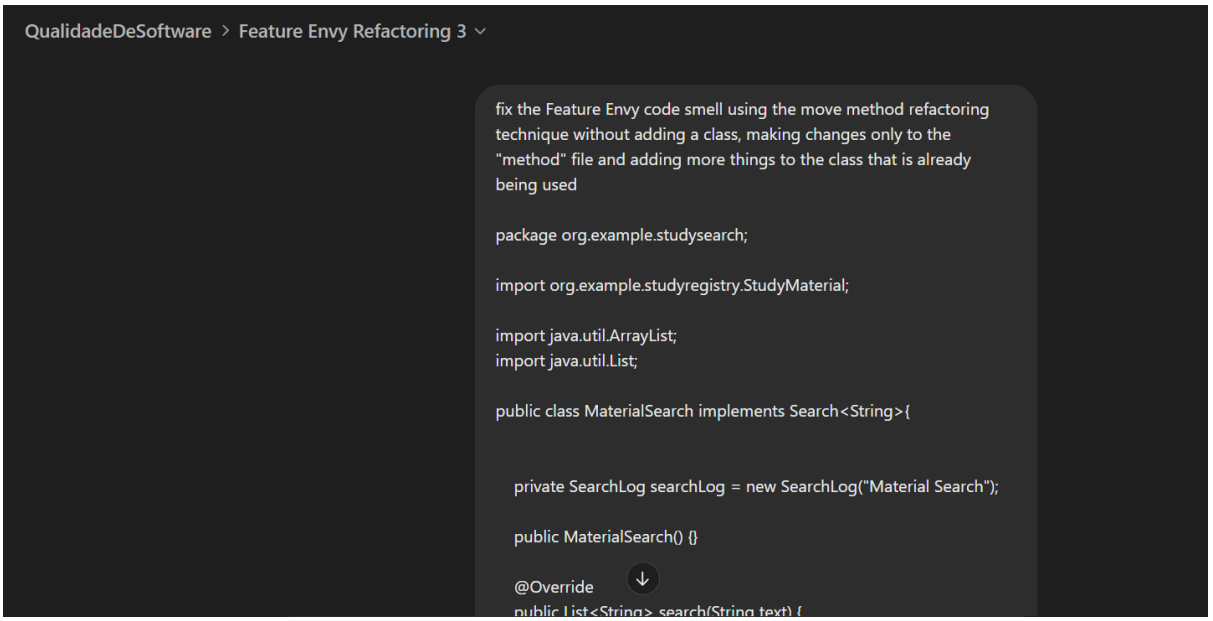


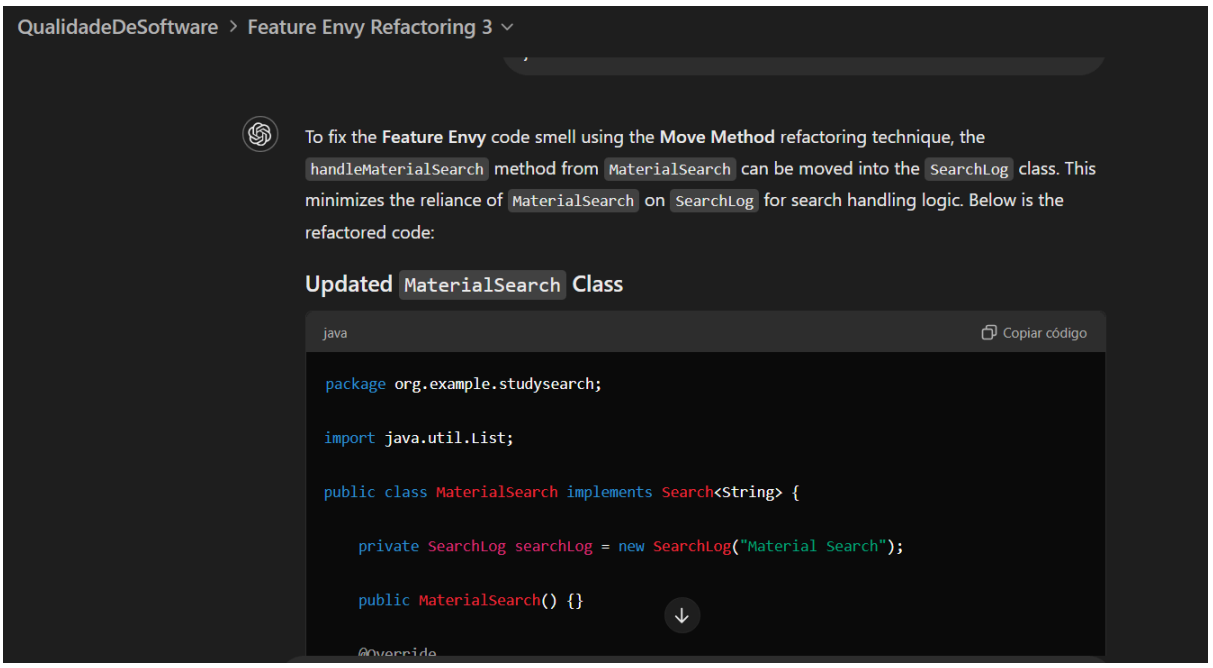
Feature Envy StudySearch



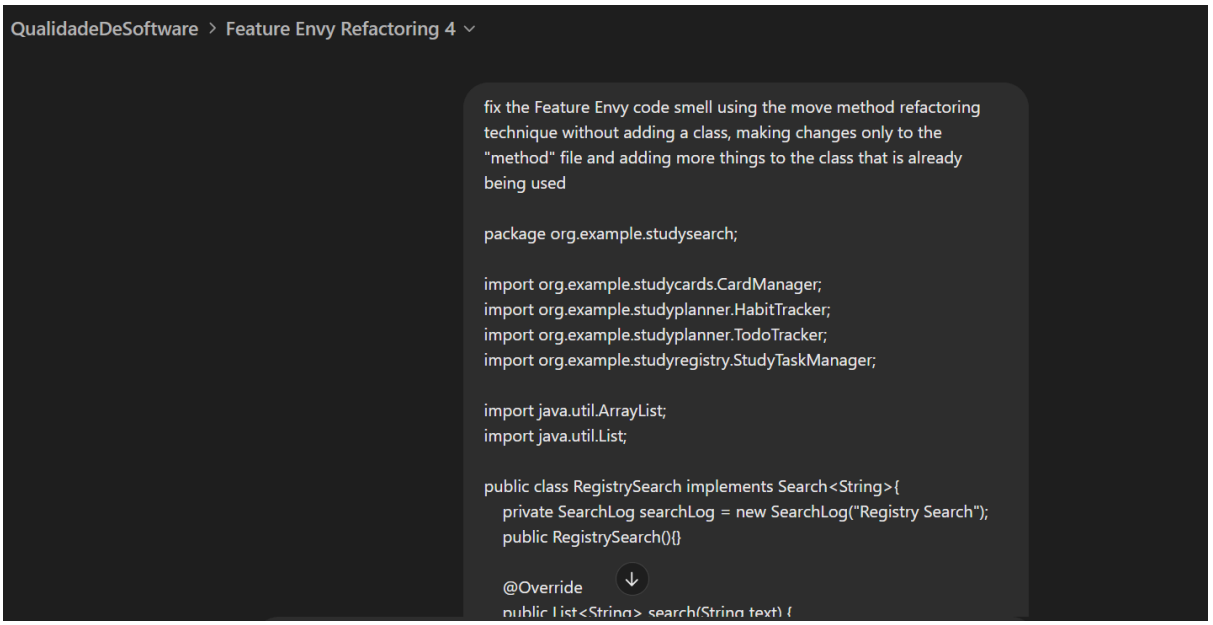


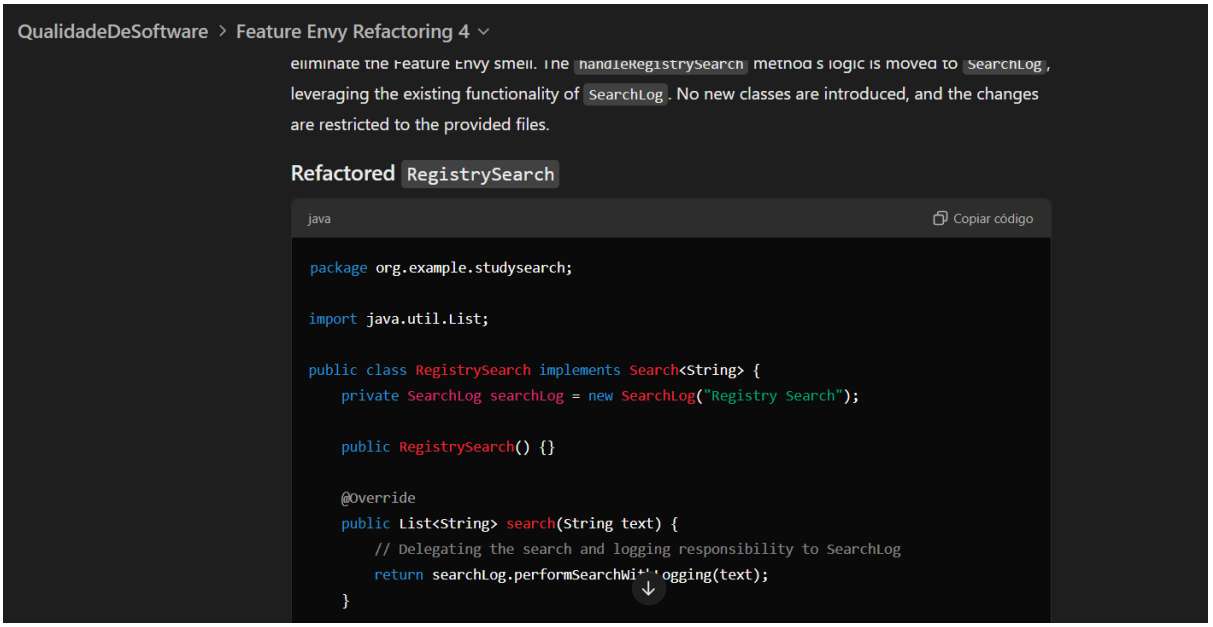
Feature Envy MaterialSearch



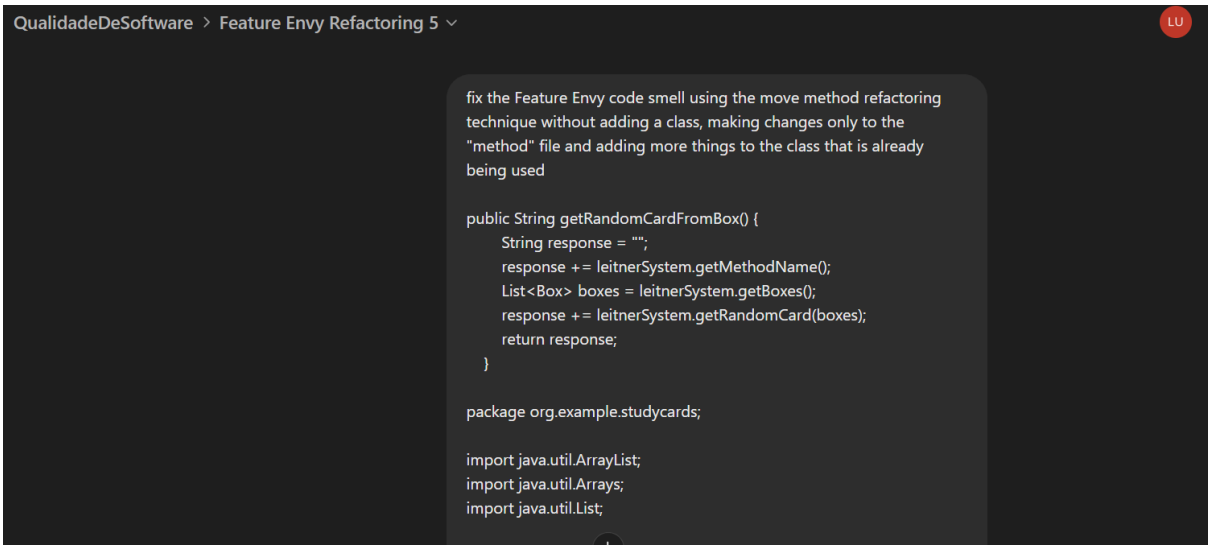


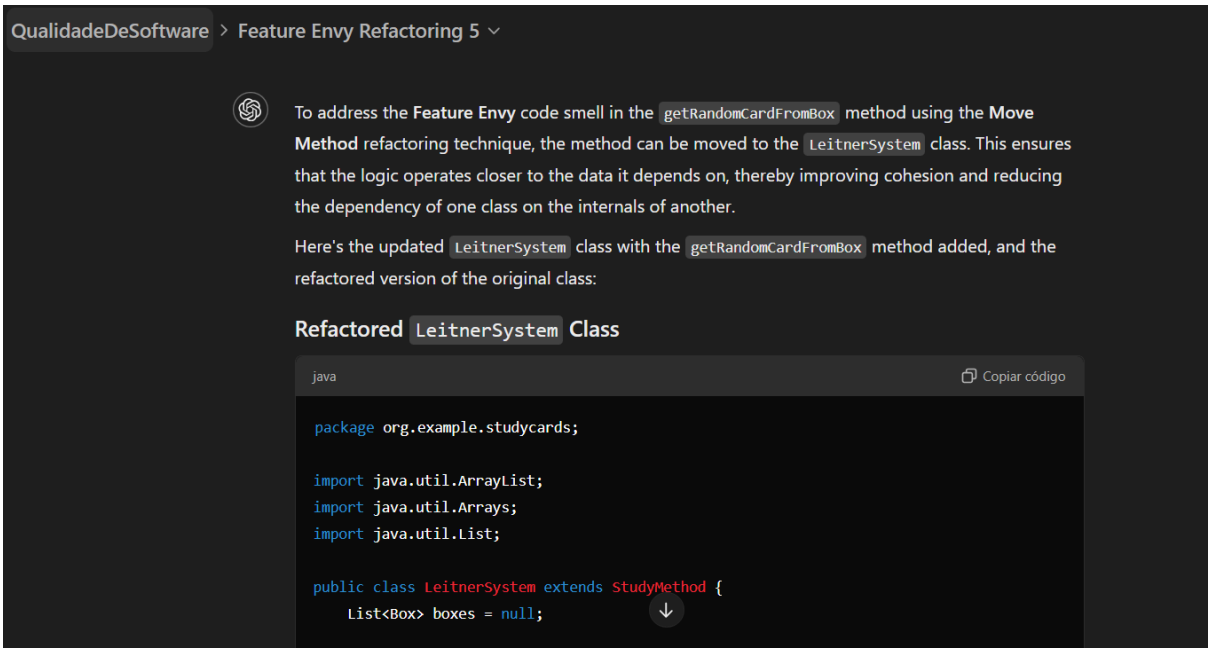
Feature Envy MaterialSearch



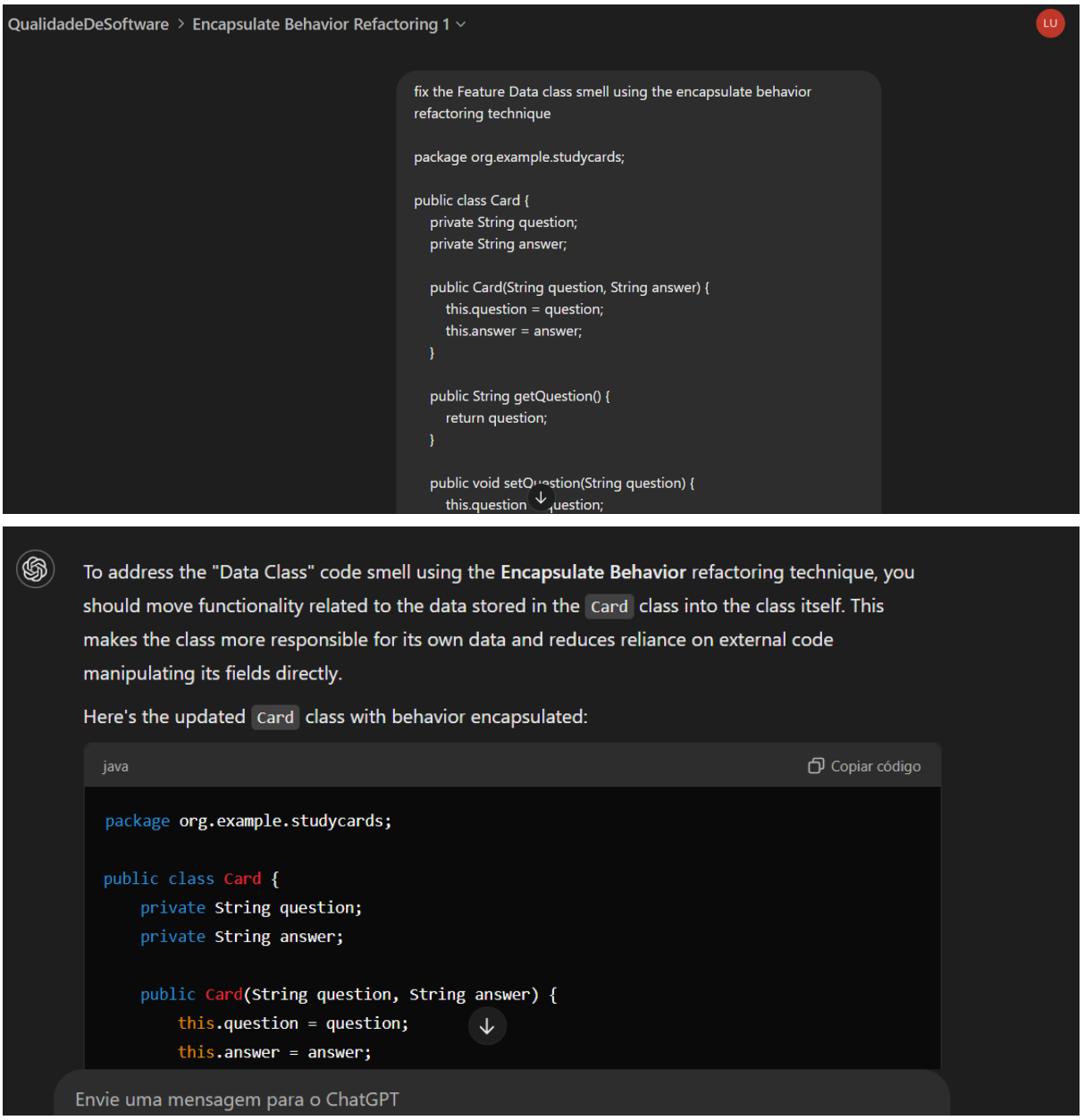


Feature Envy LeitnerSystem

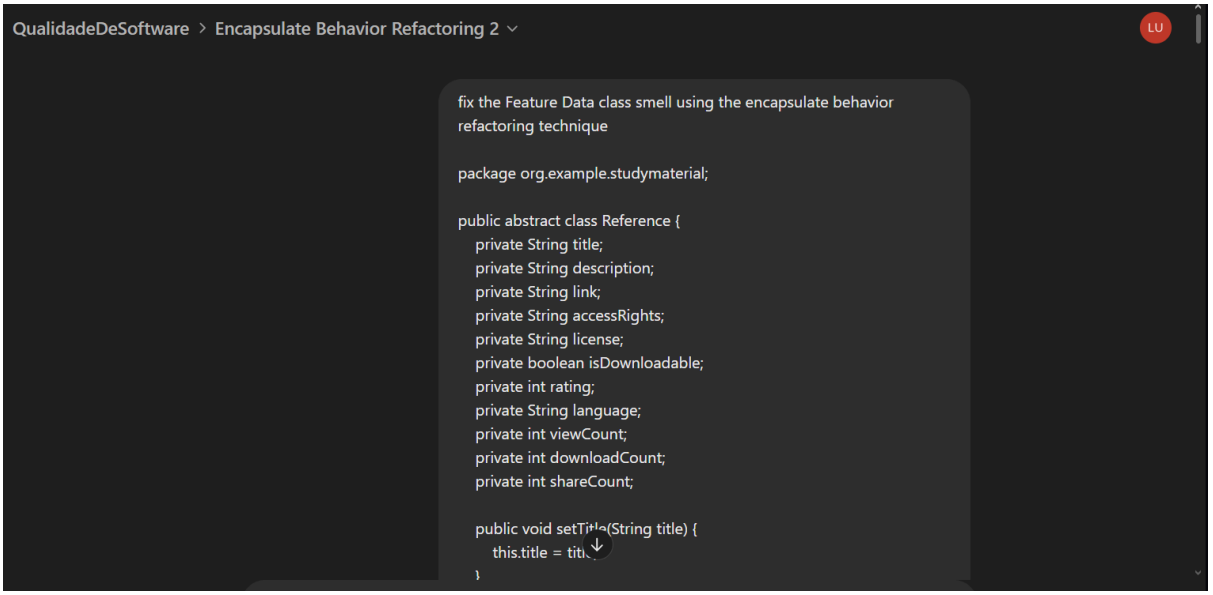


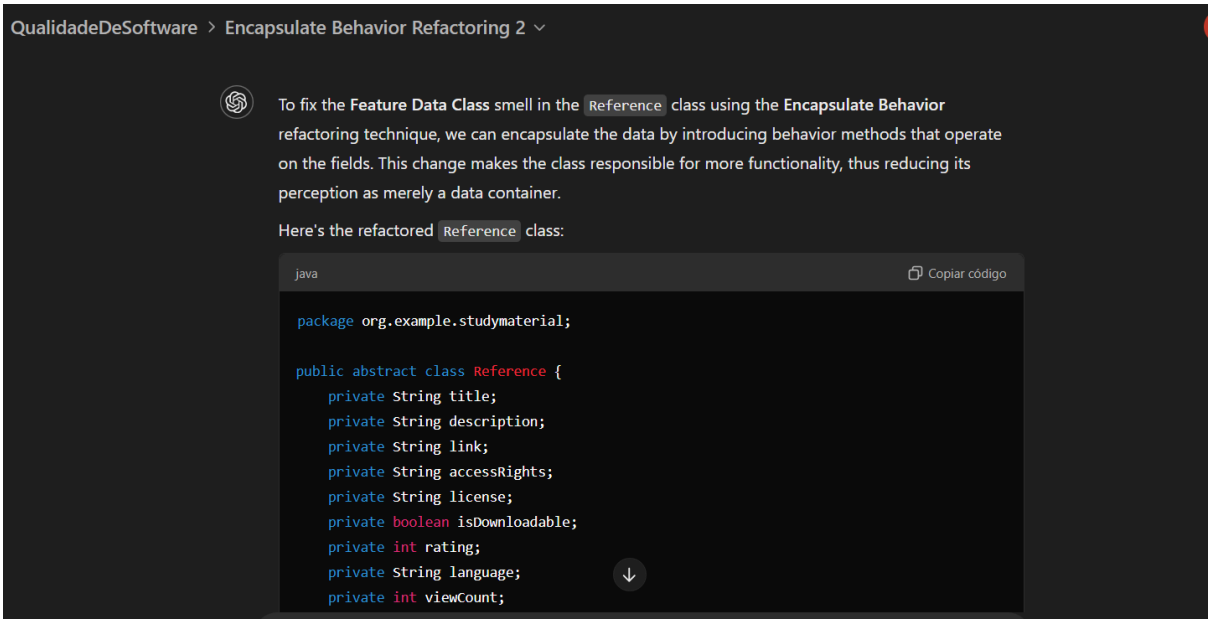


Feature Data class Card

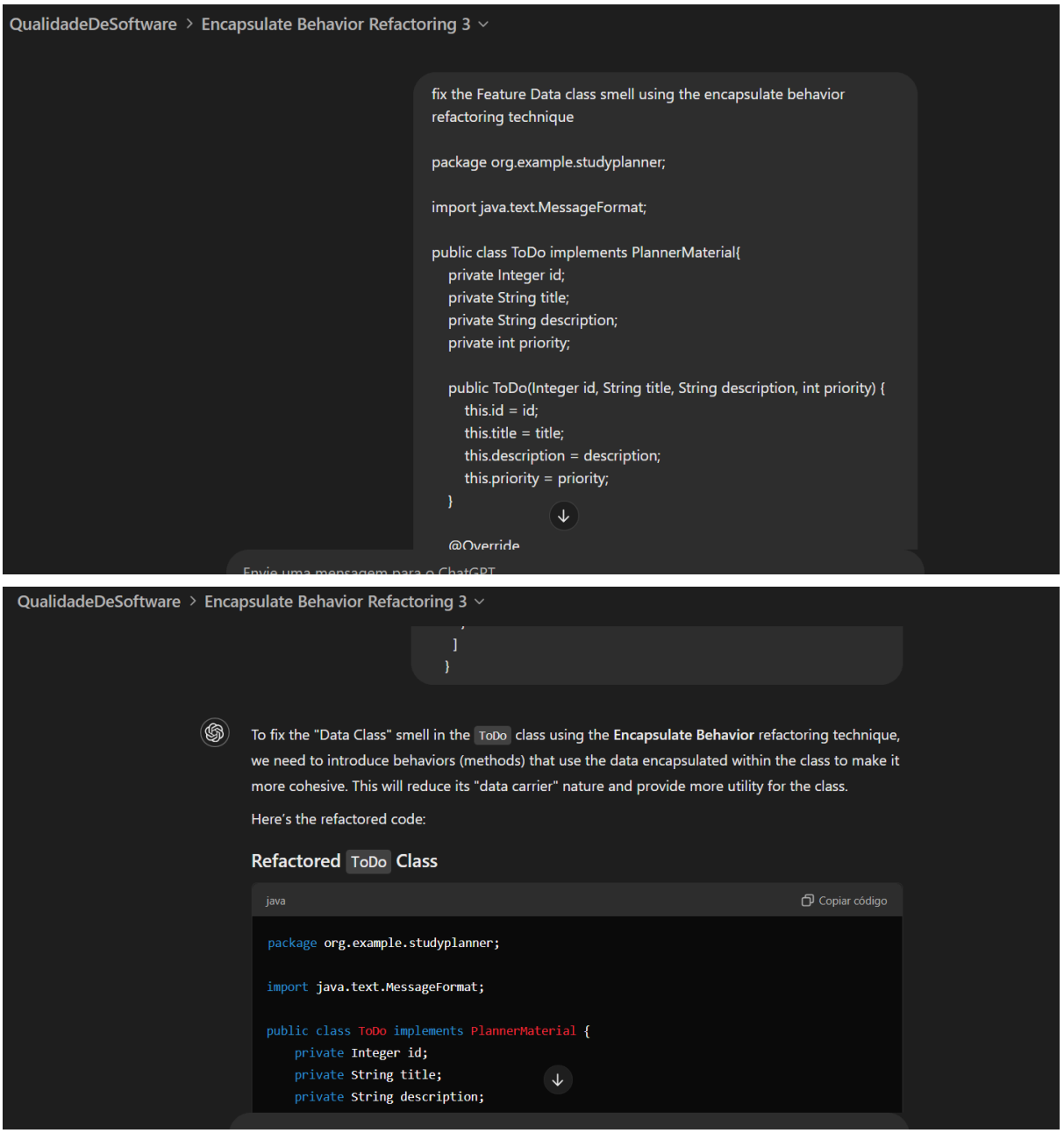


Data class Reference

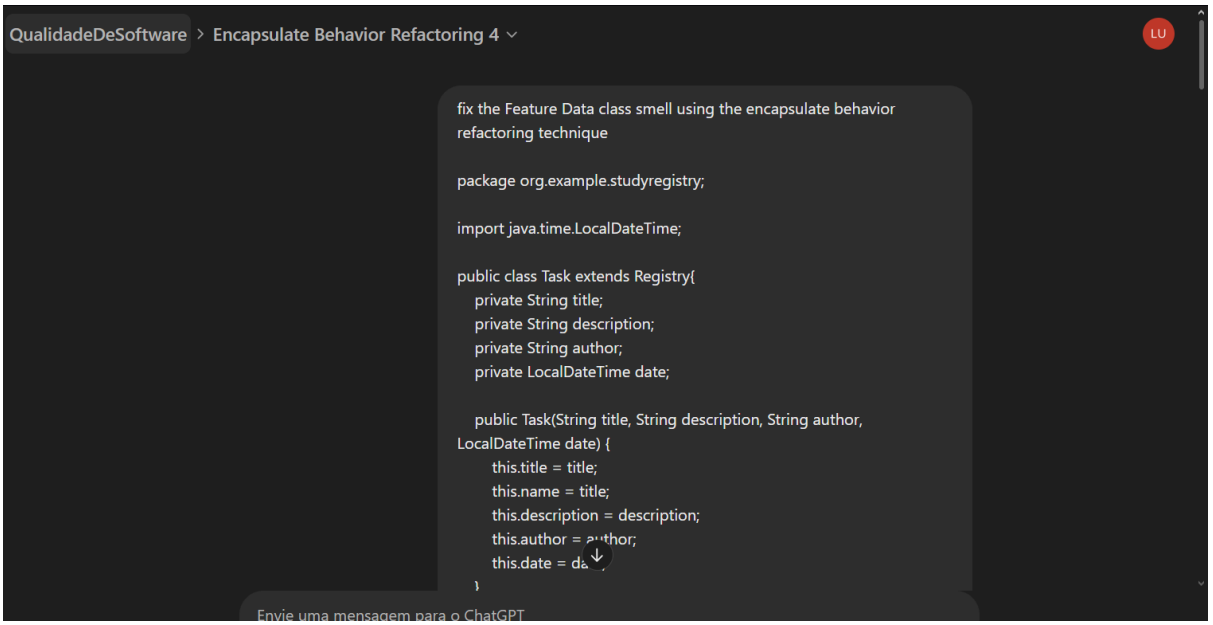


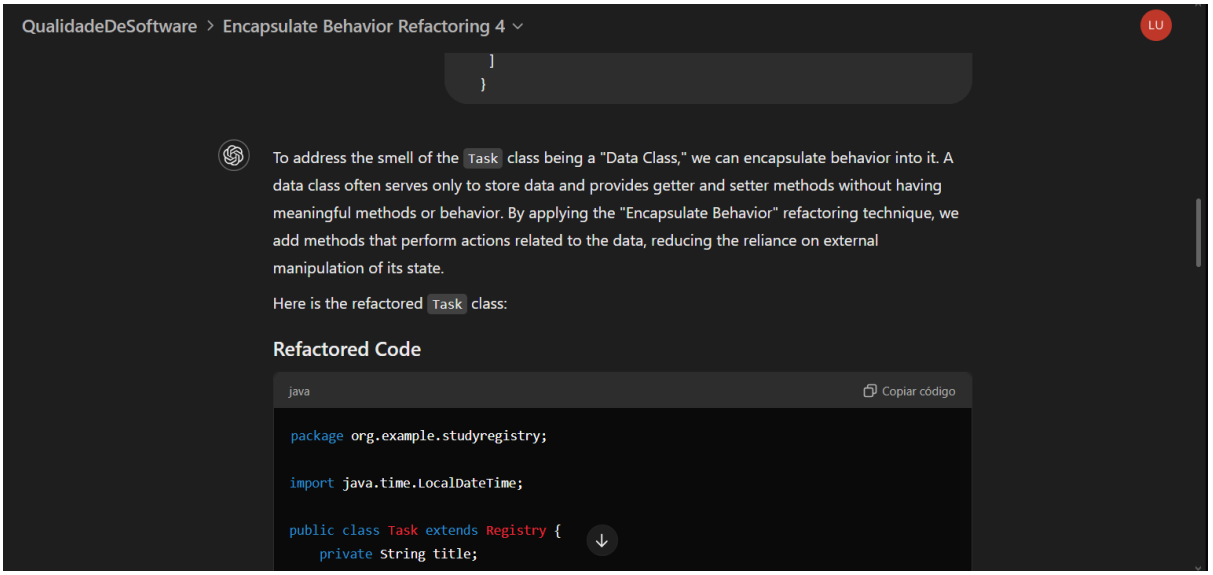


Data class ToDo

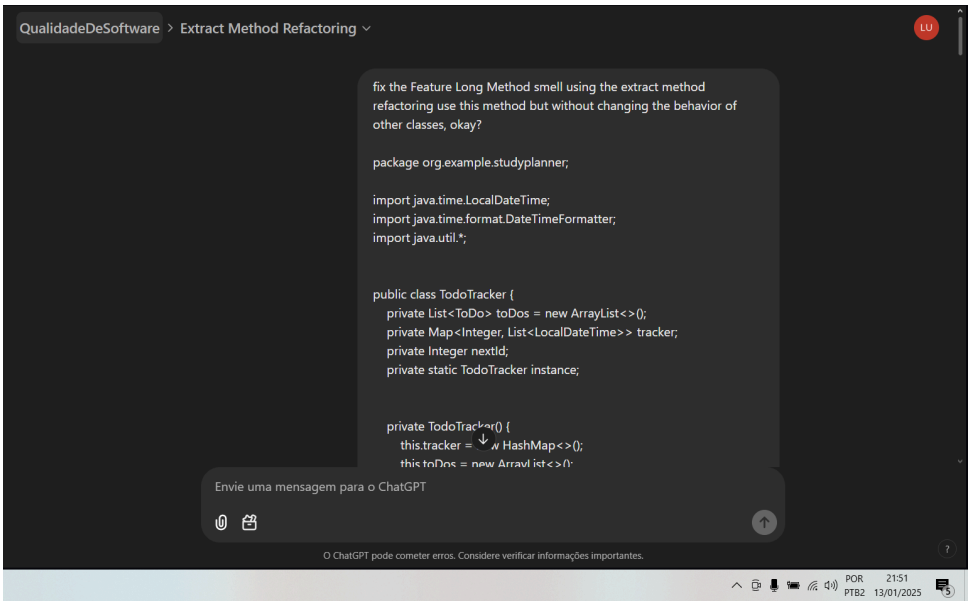


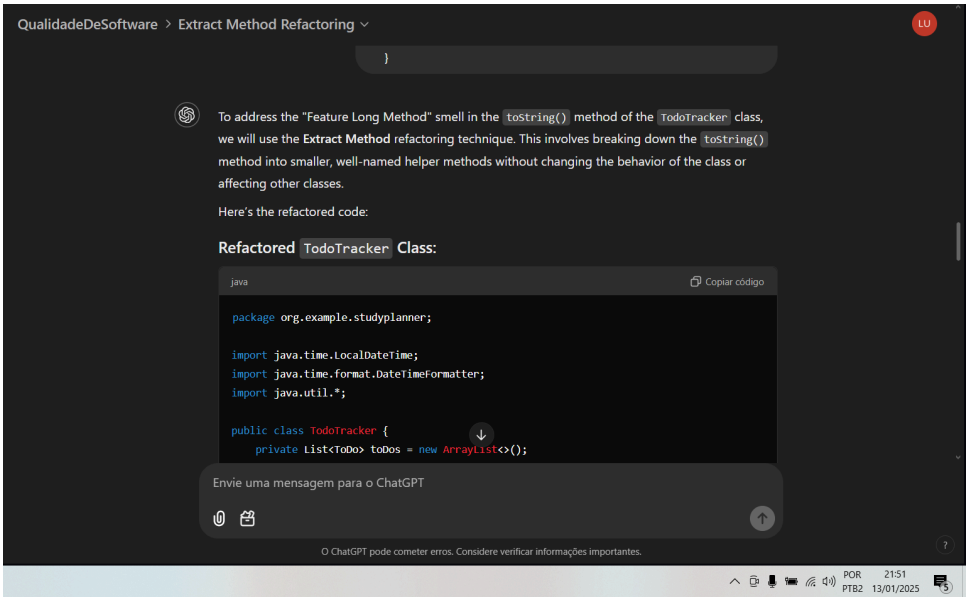
Data class Registry



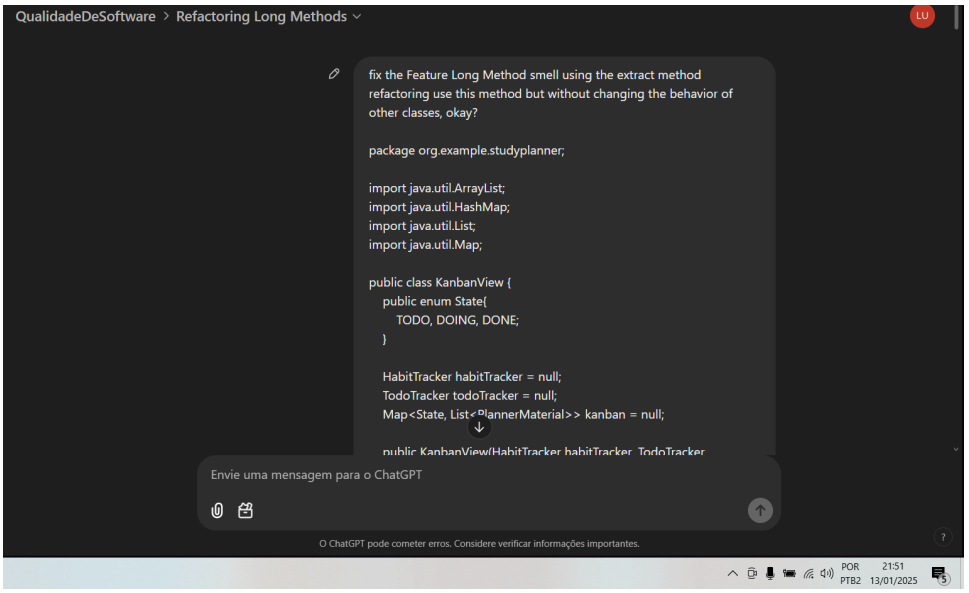


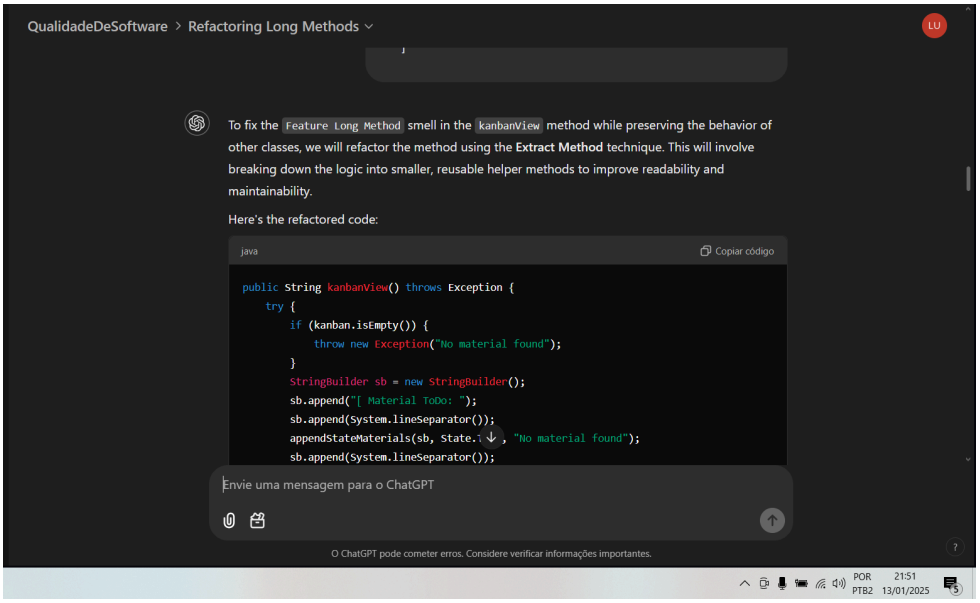
LongMethod


QualidadeDeSoftware > Extract Method Refactoring
LU
fix the Feature Long Method smell using the extract method refactoring use this method but without changing the behavior of other classes, okay?
package org.example.studyplanner;
import java.time.LocalDateTime;
import java.time.format.DateTimeFormatter;
import java.util.*;
public class TodoTracker {
private List<ToDo> toDos = new ArrayList<>();
private Map<Integer, List<LocalDateTime>> tracker;
private Integer nextId;
private static TodoTracker instance;
private TodoTrac
this.tracker = w HashMap<>();
Envie uma mensagem para o ChatGPT
O ChatGPT pode cometer erros. Considere verificar informações importantes.
POR PTB2 21:51 13/01/2025

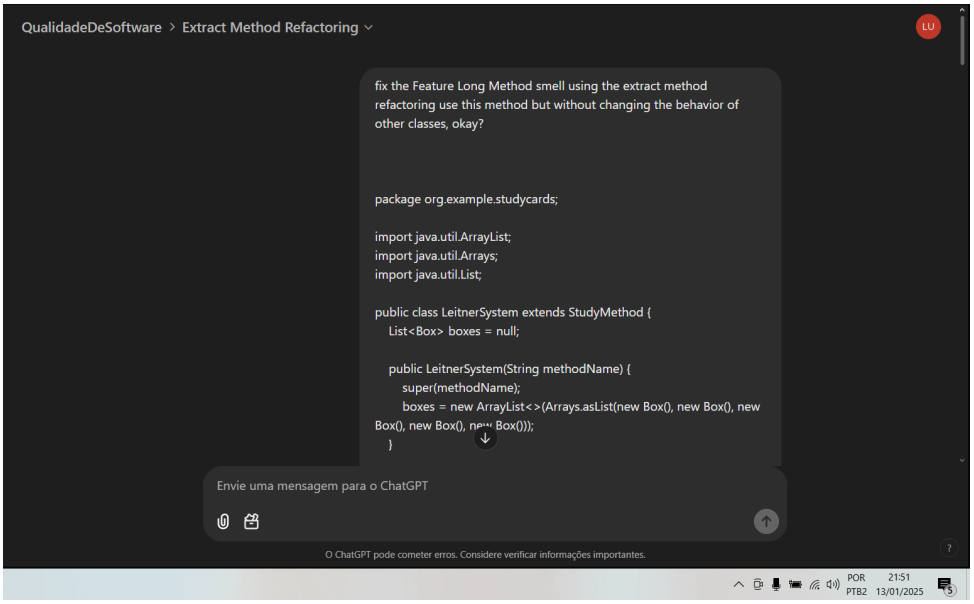

QualidadeDeSoftware > Extract Method Refactoring
LU
}
To address the "Feature Long Method" smell in the toString() method of the TodoTracker class, we will use the Extract Method refactoring technique. This involves breaking down the toString() method into smaller, well-named helper methods without changing the behavior of the class or affecting other classes.
Here's the refactored code:
Refactored TodoTracker Class:
java
Copiar código
package org.example.studyplanner;
import java.time.LocalDateTime;
import java.time.format.DateTimeFormatter;
import java.util.*;
public class TodoTracker {
private List<ToDo> toDos = new ArrayList<>();
Envie uma mensagem para o ChatGPT
O ChatGPT pode cometer erros. Considere verificar informações importantes.
POR PTB2 21:51 13/01/2025

Long Method


QualidadeDeSoftware > Refactoring Long Methods
LU
fix the Feature Long Method smell using the extract method refactoring use this method but without changing the behavior of other classes, okay?
package org.example.studyplanner;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
public class KanbanView {
public enum State{
TODO, DOING, DONE;
}
HabitTracker habitTracker = null;
TodoTracker todoTracker = null;
Map<State, List<PlannerMaterial>> kanban = null;
Envie uma mensagem para o ChatGPT
O ChatGPT pode cometer erros. Considere verificar informações importantes.
POR
PTB2
21:51
13/01/2025


QualidadeDeSoftware > Refactoring Long Methods
LU
To fix the Feature Long Method smell in the kanbanView method while preserving the behavior of other classes, we will refactor the method using the Extract Method technique. This will involve breaking down the logic into smaller, reusable helper methods to improve readability and maintainability.
Here's the refactored code:
java
Copiar código
public String kanbanView() throws Exception {
try {
if (kanban.isEmpty()) {
throw new Exception("No material found");
}
StringBuilder sb = new StringBuilder();
sb.append("[Material ToDo: ");
sb.append(System.lineSeparator());
appendStateMaterials(sb, State.
, "No material found");
sb.append(System.lineSeparator());
Envie uma mensagem para o ChatGPT
O ChatGPT pode cometer erros. Considere verificar informações importantes.
POR
PTB2
21:51
13/01/2025

Long Method


QualidadeDeSoftware > Extract Method Refactoring
LU
fix the Feature Long Method smell using the extract method refactoring use this method but without changing the behavior of other classes, okay?
package org.example.studycards;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;
public class LeitnerSystem extends StudyMethod {
List<Box> boxes = null;
public LeitnerSystem(String methodName) {
super(methodName);
boxes = new ArrayList<>(Arrays.asList(new Box(), new Box(), new Box(), new Box(), new Box()));
}
Envie uma mensagem para o ChatGPT
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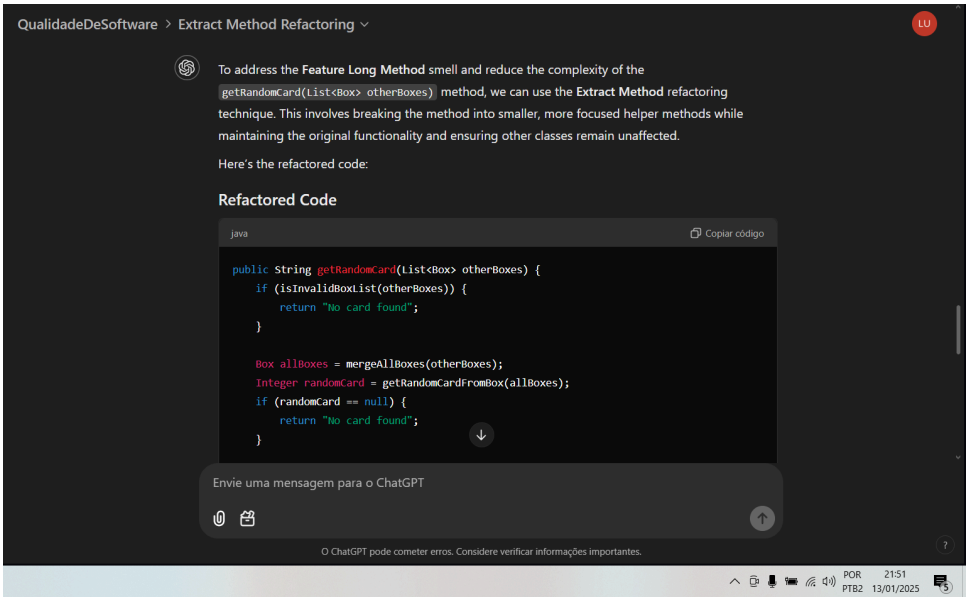
POR PTB2 21:51 13/01/2025


QualidadeDeSoftware > Extract Method Refactoring
LU
To address the Feature Long Method smell and reduce the complexity of the getRandomCard(List<Box> otherBoxes) method, we can use the Extract Method refactoring technique. This involves breaking the method into smaller, more focused helper methods while maintaining the original functionality and ensuring other classes remain unaffected.
Here's the refactored code:
Refactored Code
java
Copiar código
public String getRandomCard(List<Box> otherBoxes) {
if (isInvalidBoxList(otherBoxes)) {
return "No card found";
}
Box allBoxes = mergeAllBoxes(otherBoxes);
Integer randomCard = getRandomCardFromBox(allBoxes);
if (randomCard == null) {
return "No card found";
}
Envie uma mensagem para o ChatGPT
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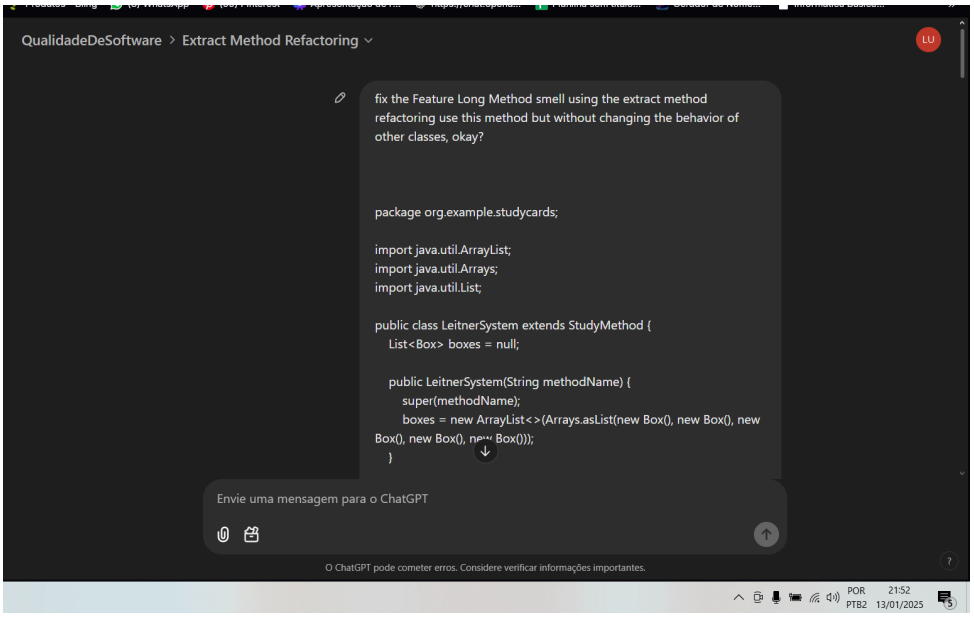
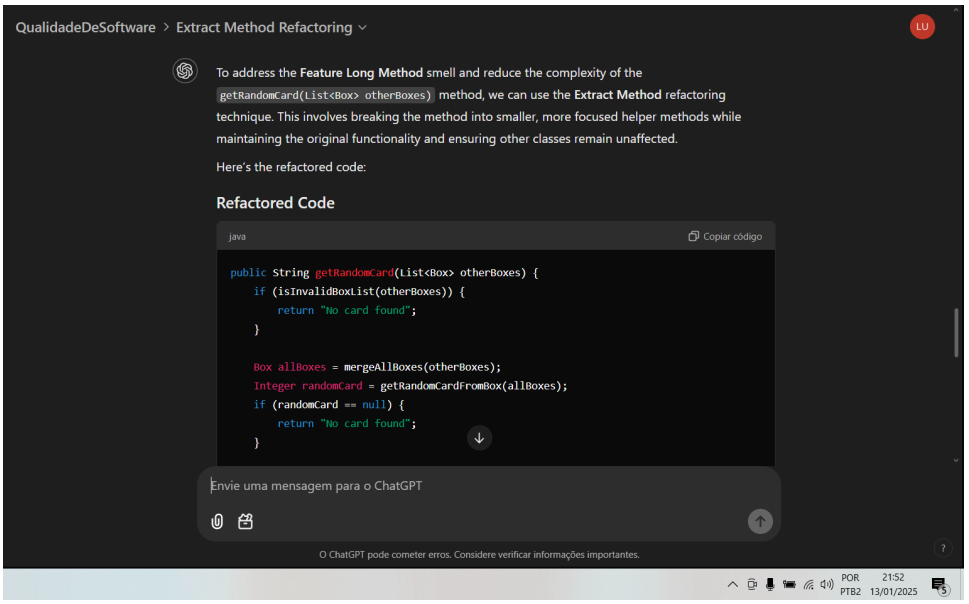
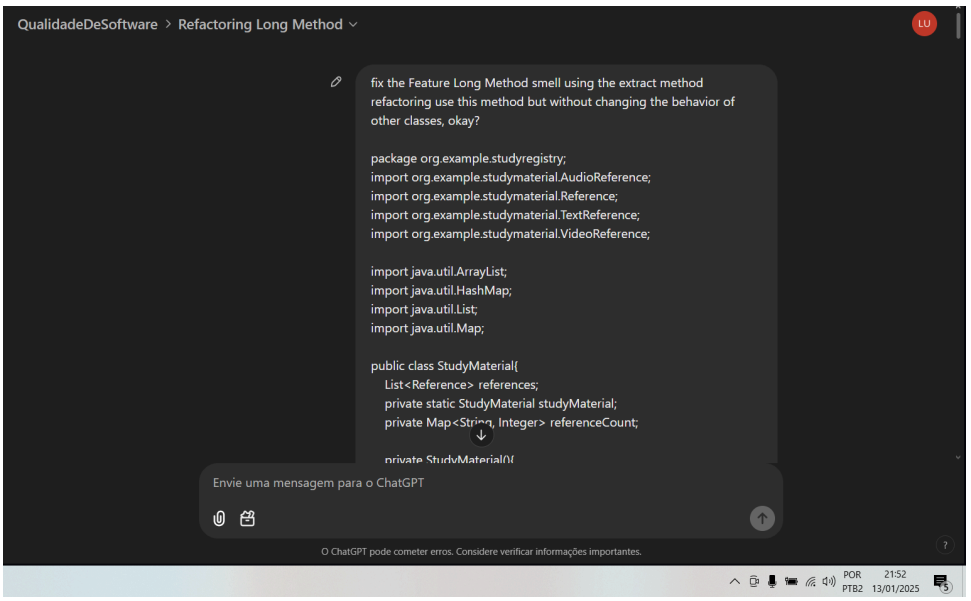
POR PTB2 21:51 13/01/2025

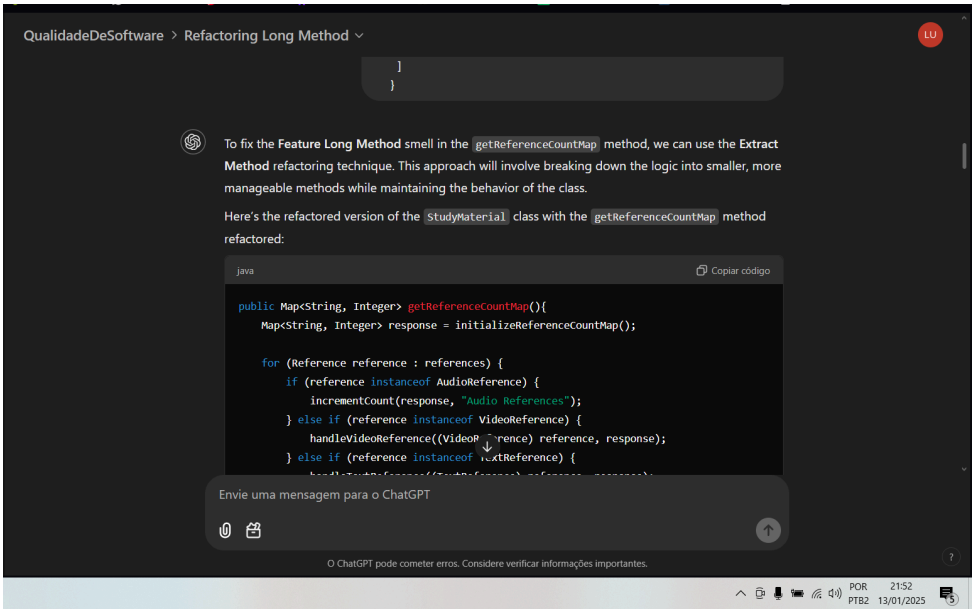
LongMethod



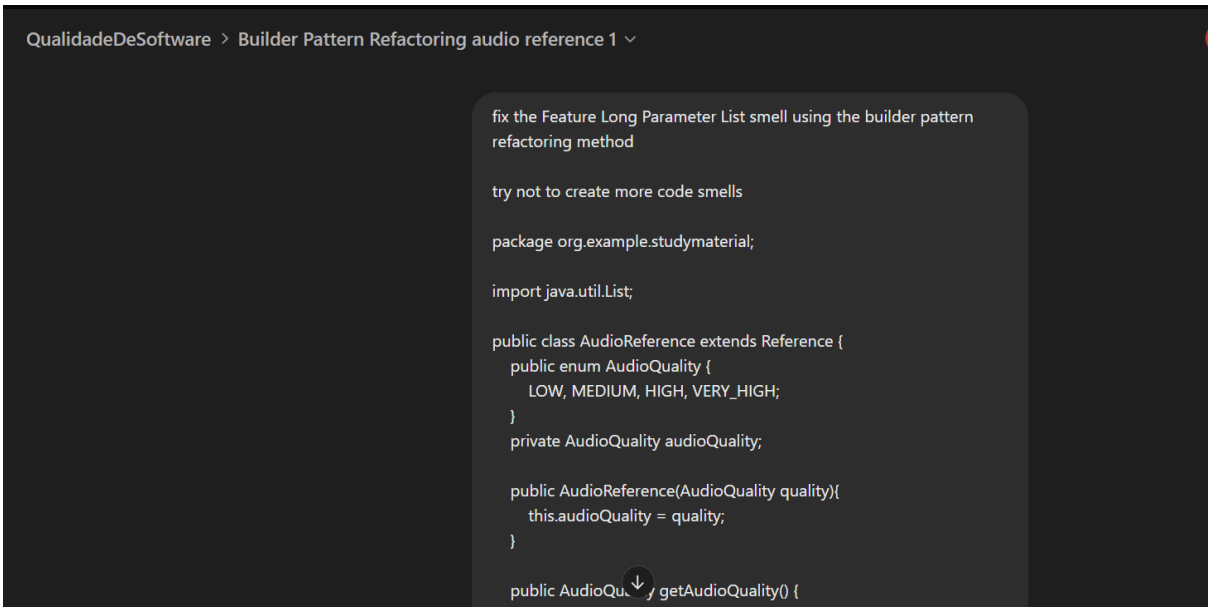


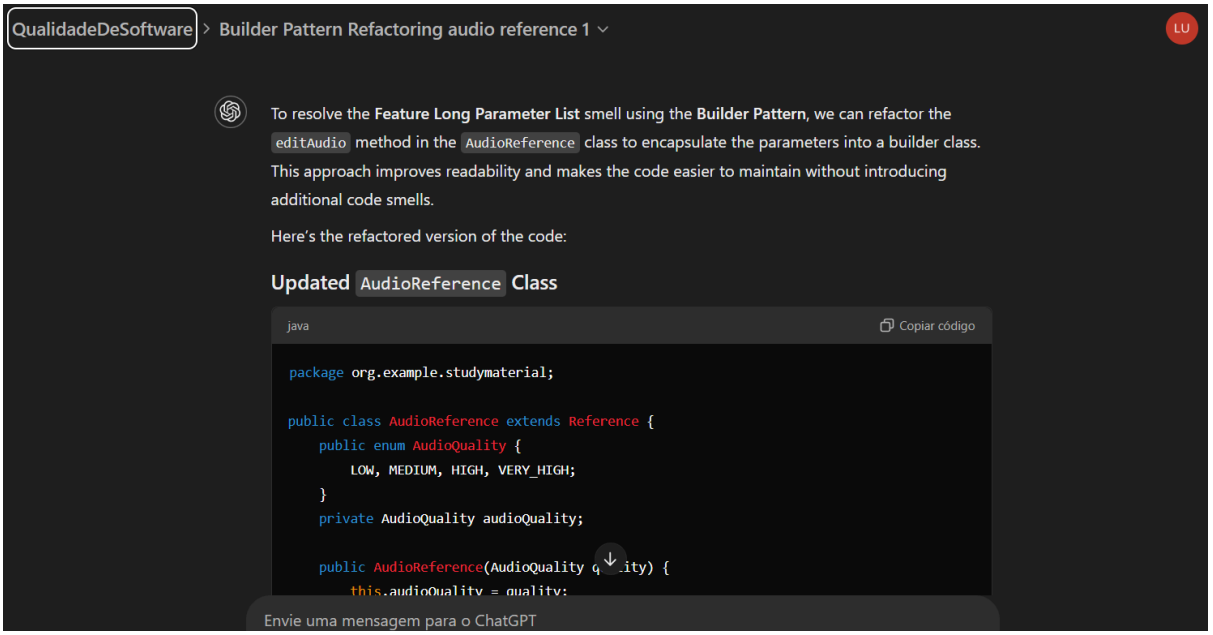
Long Method


QualidadeDeSoftware > Refactoring Long Method
LU
fix the Feature Long Method smell using the extract method refactoring use this method but without changing the behavior of other classes, okay?
package org.example.studyregistry;
import org.example.studymaterial.AudioReference;
import org.example.studymaterial.Reference;
import org.example.studymaterial.TextReference;
import org.example.studymaterial.VideoReference;
import java.util.ArrayList;
import java.util.HashMap;
import java.util.List;
import java.util.Map;
public class StudyMaterial{
List<Reference> references;
private static StudyMaterial studyMaterial;
private Map<String, Integer> referenceCount;
Envie uma mensagem para o ChatGPT
O ChatGPT pode cometer erros. Considere verificar informações importantes.
POR PTB2 21:52 13/01/2025

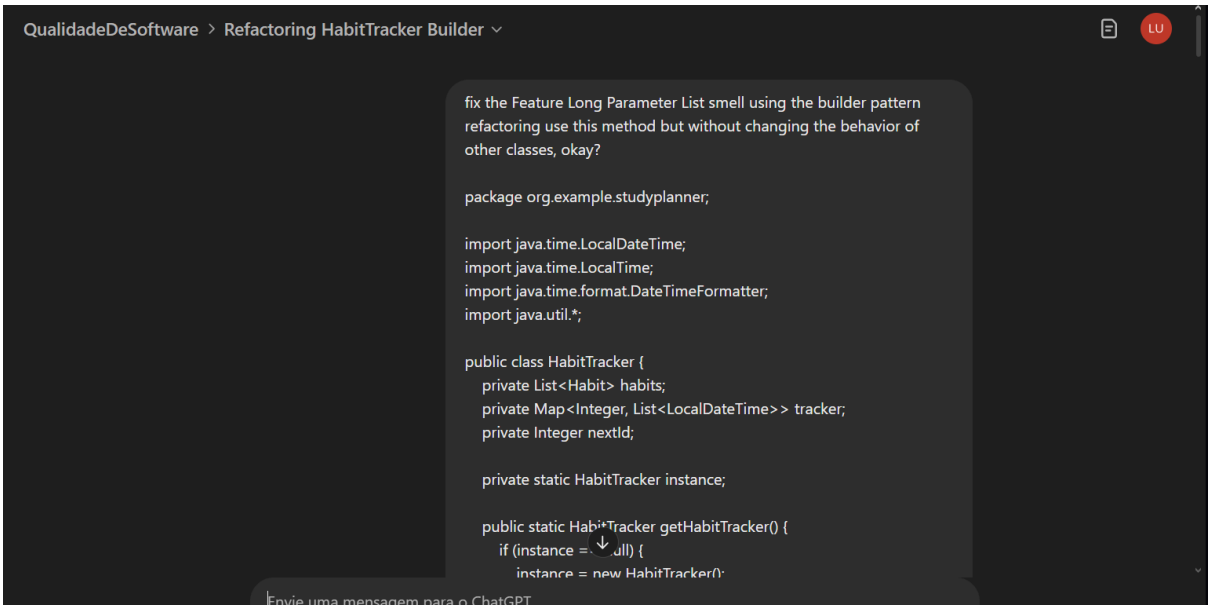

QualidadeDeSoftware > Refactoring Long Method
LU
]
}
To fix the Feature Long Method smell in the getReferenceCountMap method, we can use the Extract Method refactoring technique. This approach will involve breaking down the logic into smaller, more manageable methods while maintaining the behavior of the class.
Here's the refactored version of the StudyMaterial class with the getReferenceCountMap method refactored:
java
Copiar código
public Map<String, Integer> getReferenceCountMap(){
Map<String, Integer> response = initializeReferenceCountMap();
for (Reference reference : references) {
if (reference instanceof AudioReference) {
incrementCount(response, "Audio References");
} else if (reference instanceof VideoReference) {
handleVideoReference((VideoReference) reference, response);
Envie uma mensagem para o ChatGPT
O ChatGPT pode cometer erros. Considere verificar informações importantes.
POR PTB2 21:52 13/01/2025

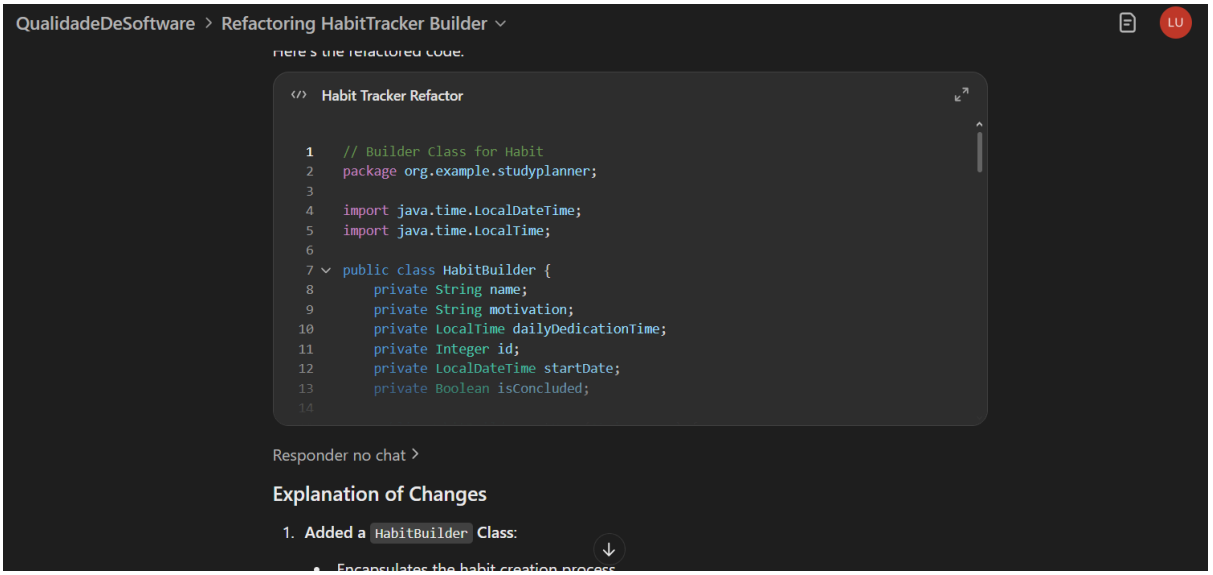
Long Parameter List



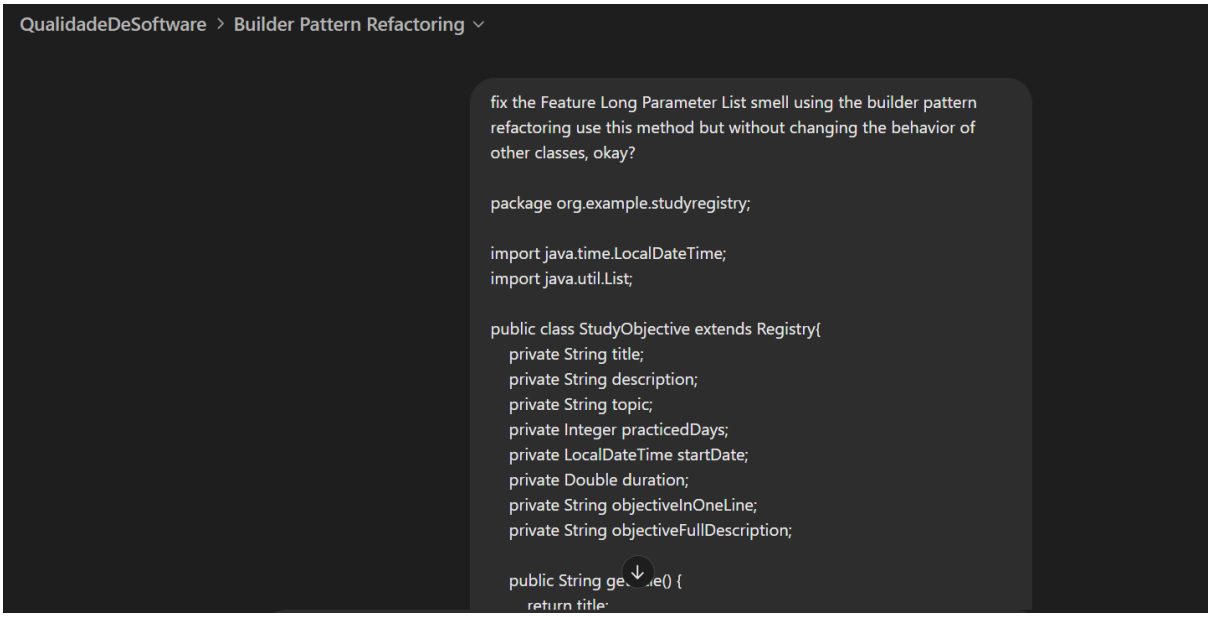


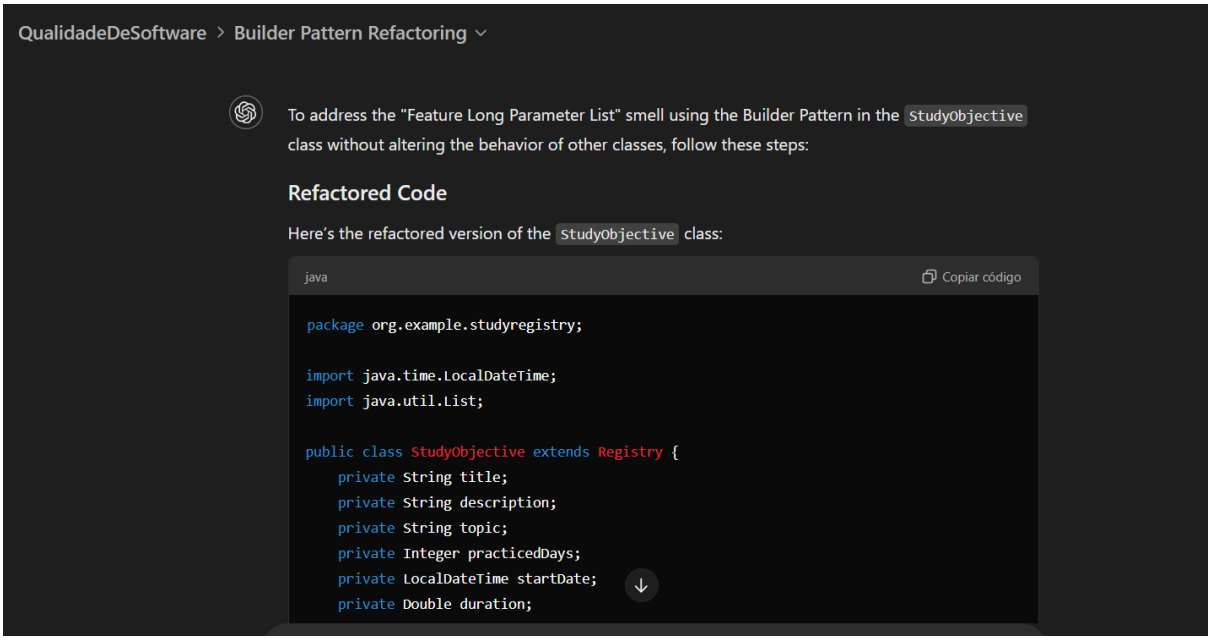
Long Parameter List



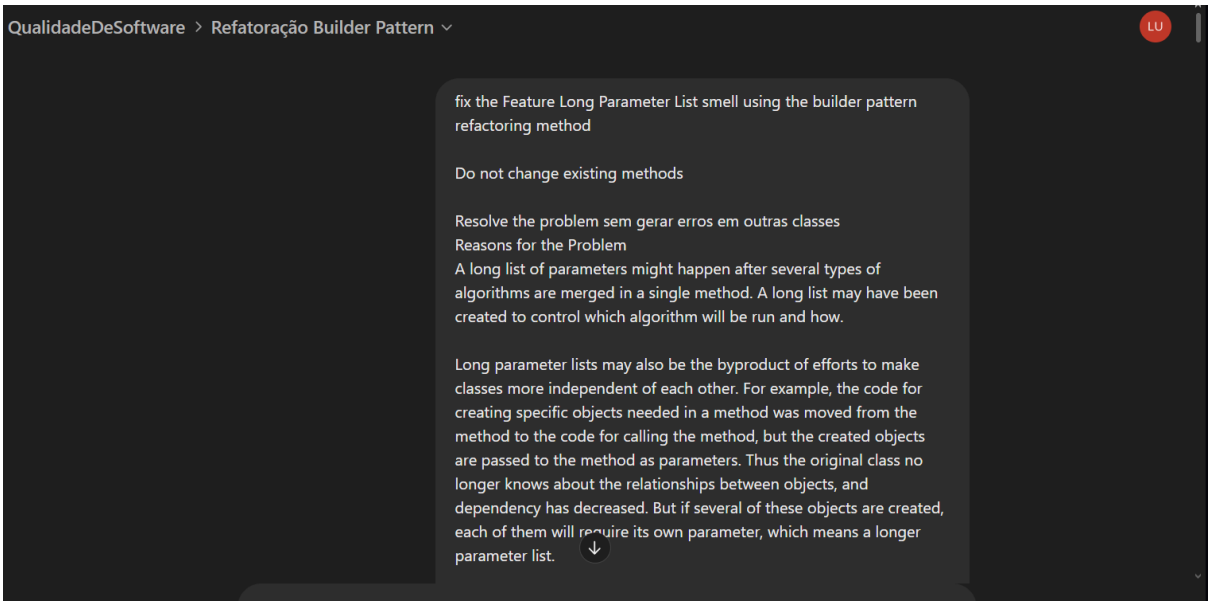


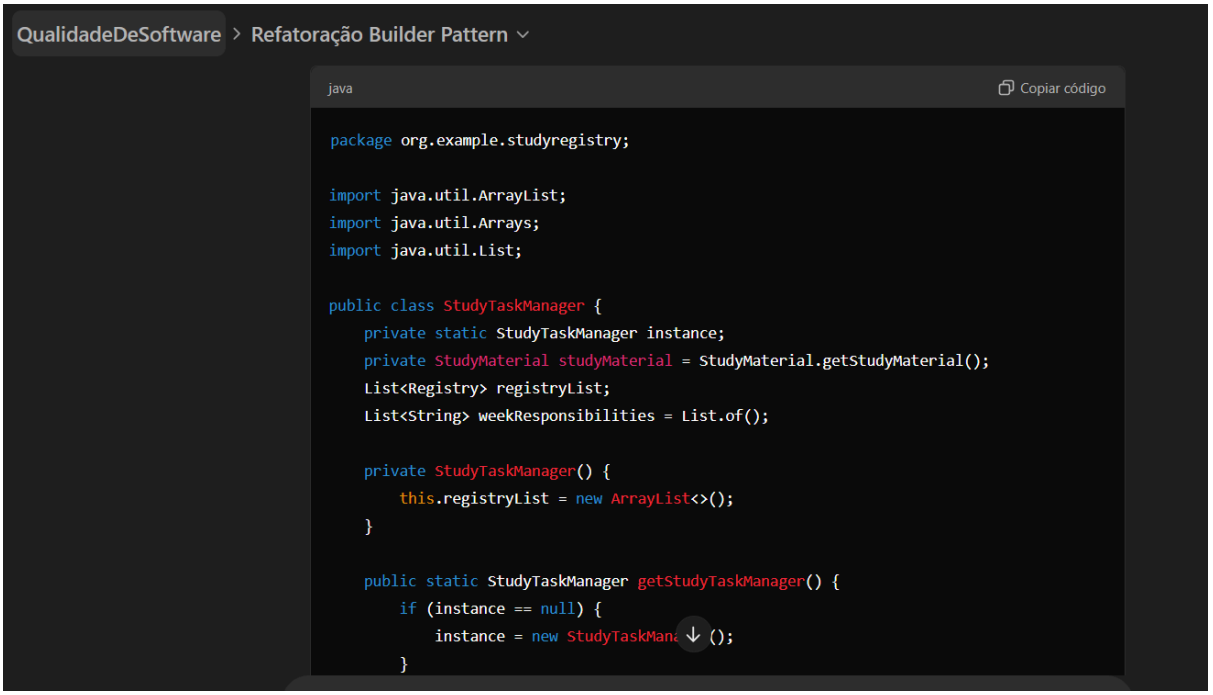
Long Parameter List





Long Parameter List





Long Parameter List