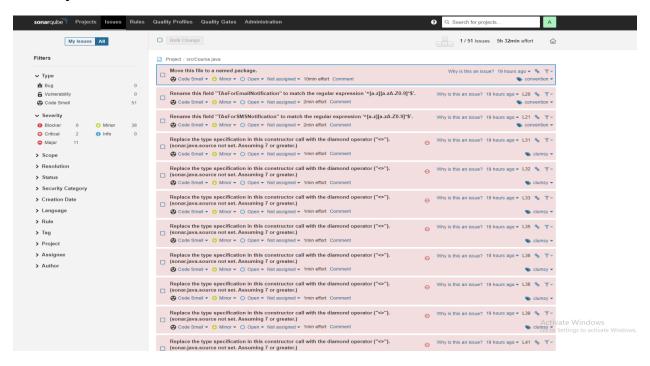
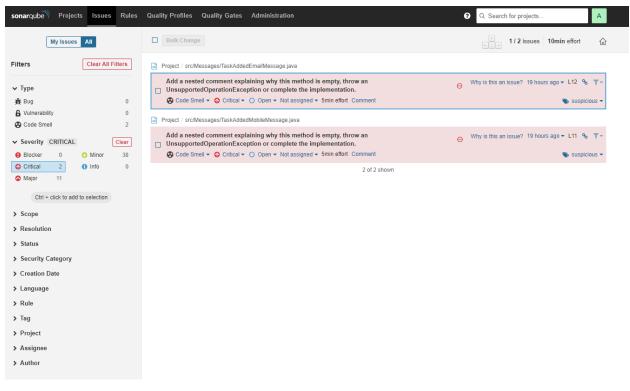
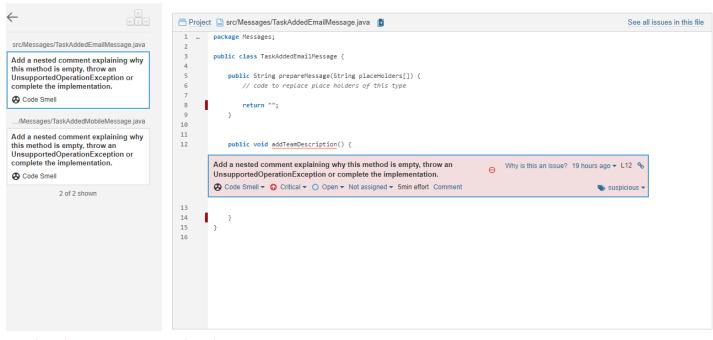
## Static Analysis Report for current code

There is a 51 code smell issues categorized into 3 severities 2 critical, 11 major, 38 Minor

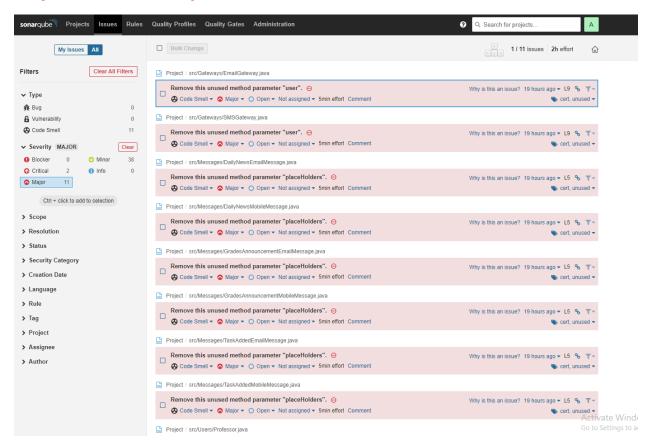


#### **Critical issues:**

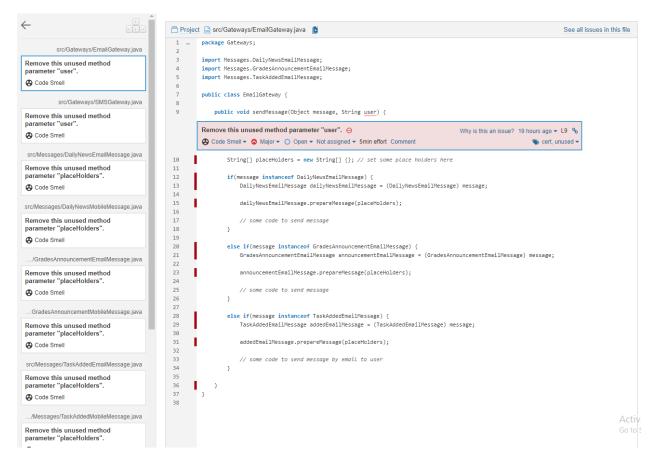




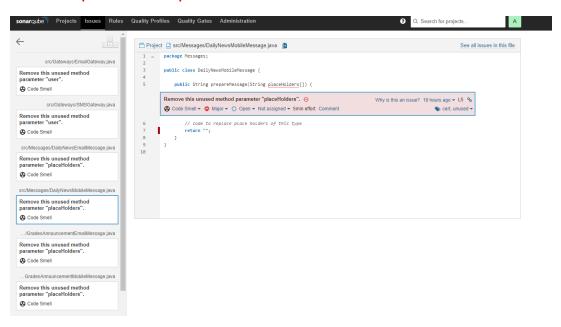
# Major issues: 11 major issues



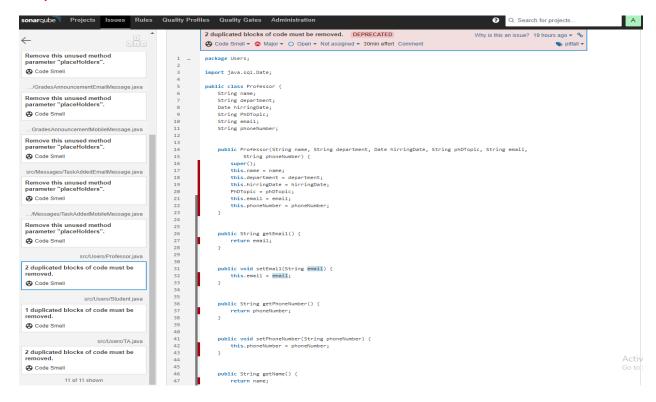
# Unused parameter user



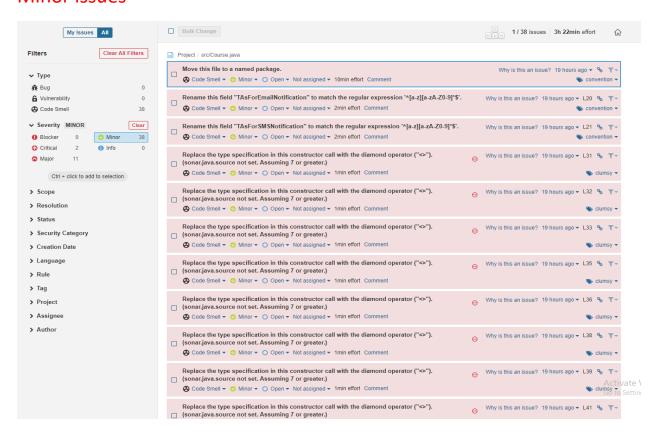
## Unused parameter placeholder

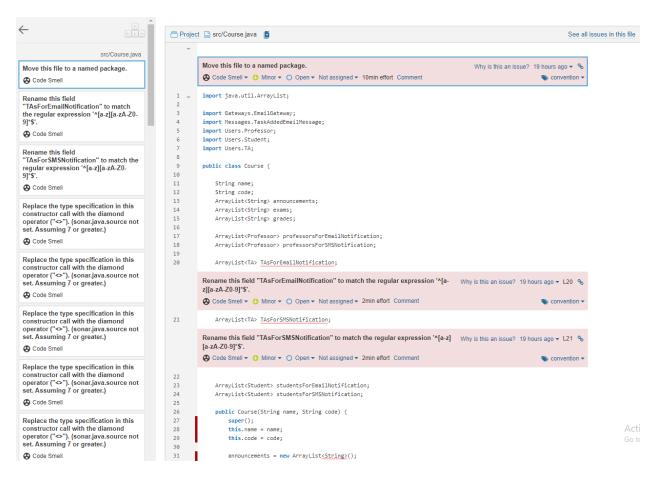


# Duplicated blocks of code

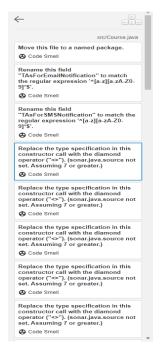


### Minor issues





## Replace type specification



```
② Code Smell ▼ ② Minor ▼ ○ Open ▼ Not assigned ▼ 2min effort Comment
Rename this field "TAsForSMSNotification" to match the regular expression '^[a-z] Why is this an issue? 19 hours ago v L21 % [a-zA-Z0-9]"$.
ArrayList<Student> studentsForEmailNotification;
ArrayList<Student> studentsForSMSNotification;
     public Course(String name, String code) {
           super();
this.name = name;
this.code = code;
           announcements = new ArrayList<String>();
Replace the type specification in this constructor call with the diamond operator ("<"). (sonar,java.source not set. Assuming 7 or greater.)

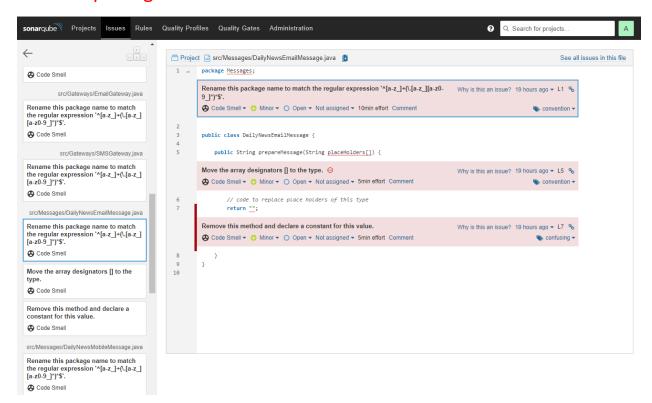
② Code Smell * ② Minor * ③ Open * Not assigned * 1min effort Comment
                                                                                                         ⊖ Why is this an issue? 19 hours ago ▼ L31 %
Replace the type specification in this constructor call with the diamond operator ("<>"). (sonar.java.source not set. Assuming 7 or greater.)

② Code Smell * ② Minor * ③ Open * Not assigned * 1min effort Comment
                                                                                                         ⊖ Why is this an issue? 19 hours ago ▼ L32 %
Replace the type specification in this constructor call with the diamond operator ("<>"). (sonar.java.source not set. Assuming 7 or greater.)
                                                                                                         ⊖ Why is this an issue? 19 hours ago ▼ L33 %
Code Smell ▼ O Minor ▼ O Open ▼ Not assigned ▼ 1min effort C
           professorsForEmailNotification = new ArrayList<Professor>():
Replace the type specification in this constructor call with the diamond operator ("<>"). (sonar.java.source not set. Assuming 7 or greater.)
                                                                                                             Why is this an issue? 19 hours ago ▼ L35 %
professorsForSMSNotification = new ArrayList<Professor>();
Replace the type specification in this constructor call with the diamond operator ("<>"). (sonar.java.source not set. Assuming 7 or greater.)

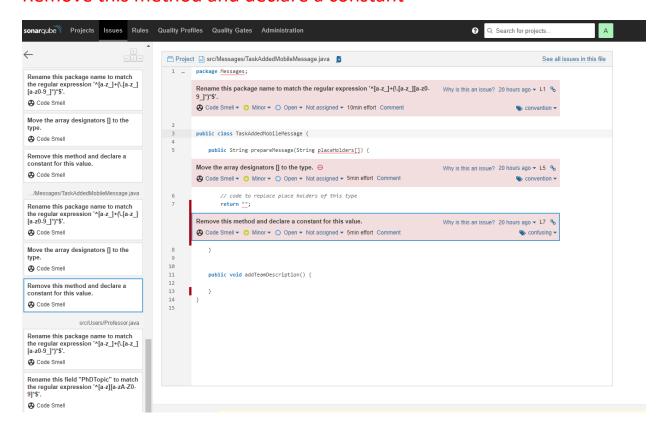
    Why is this an issue? 19 hours ago ▼ L36 %

Code Smell ▼ ♥ Minor ▼ ○ Open ▼ Not assigned ▼ 1min effort Com
```

## Rename package name:

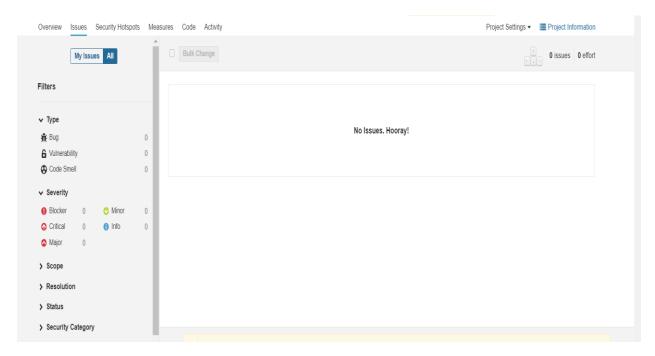


# Remove this method and declare a constant

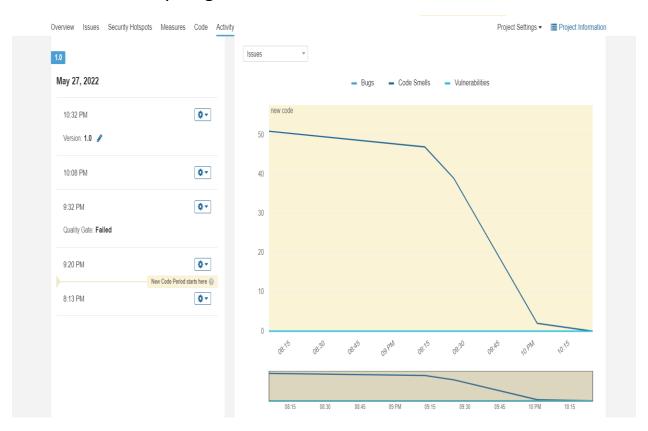


# Static Analysis Report after refactoring

### We solved all issues introduced above



# Here is the activity diagram:

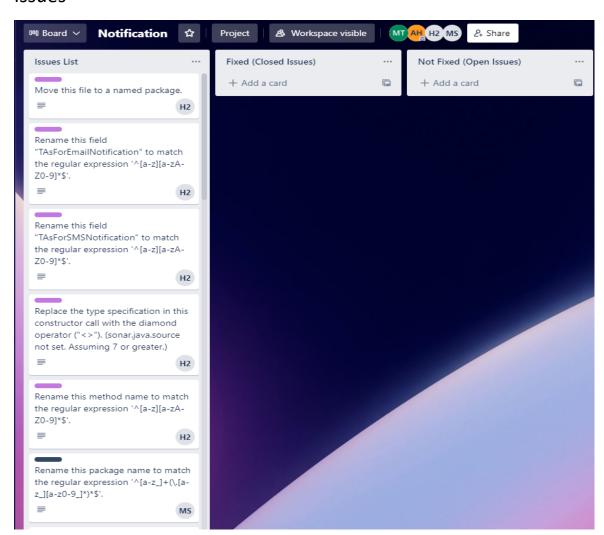


### Measures:

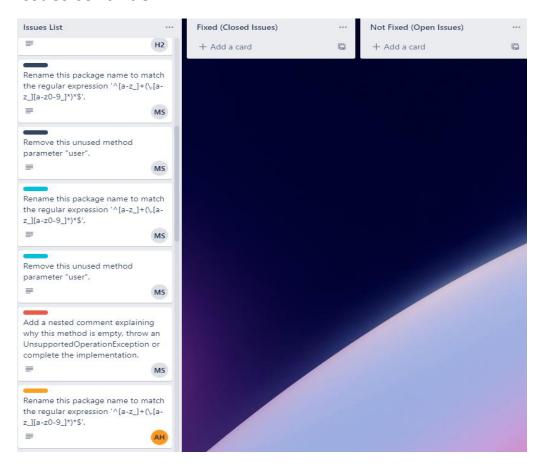


Trello

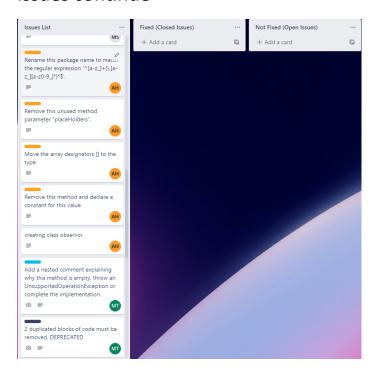
### Issues



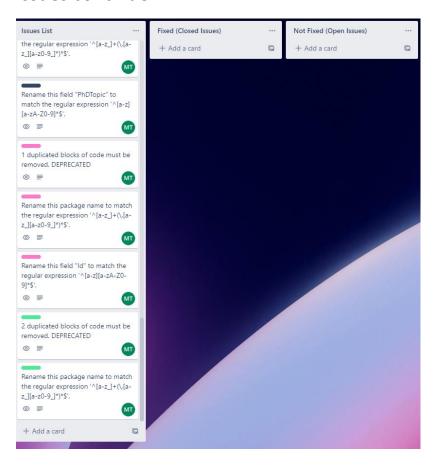
## Issues continue



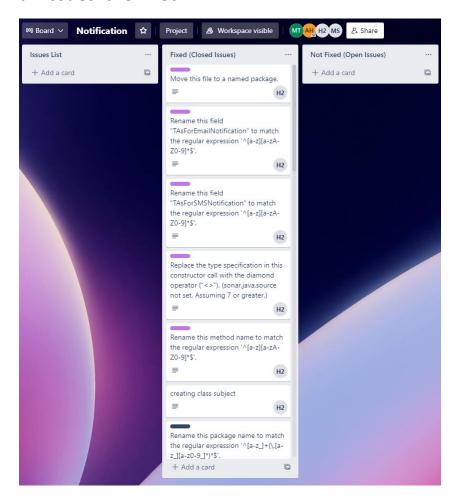
### Issues continue



## Issues continue



## all issues are fixed



There is no unfixed list because all issues are fixed

If you want to check trello use this link: trello

If you want to check the github repository: github

Name	ID
Mohamed Tarek Mohamed	20196046
Abdallah Hassan Magdy	20196034
Mohamed Samir Mohamed	20196045
Hussien Ahmed Hamed	20196074