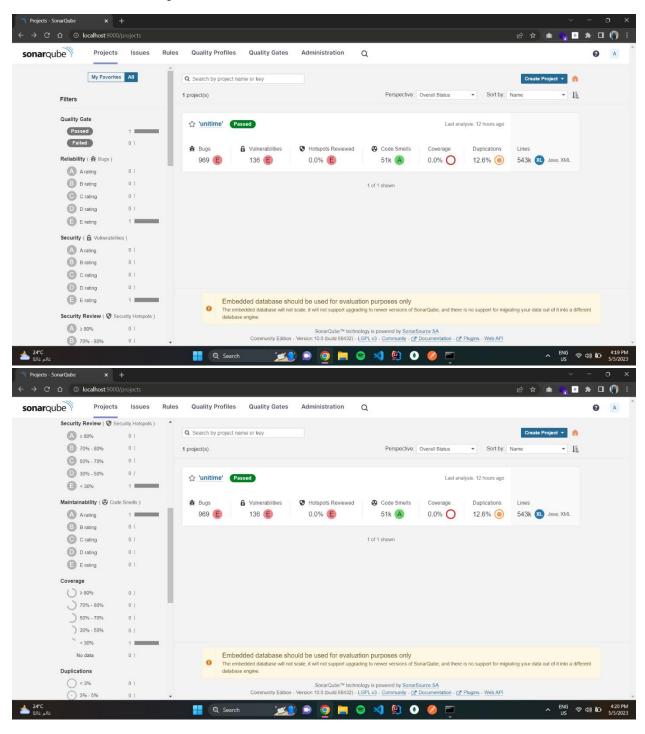
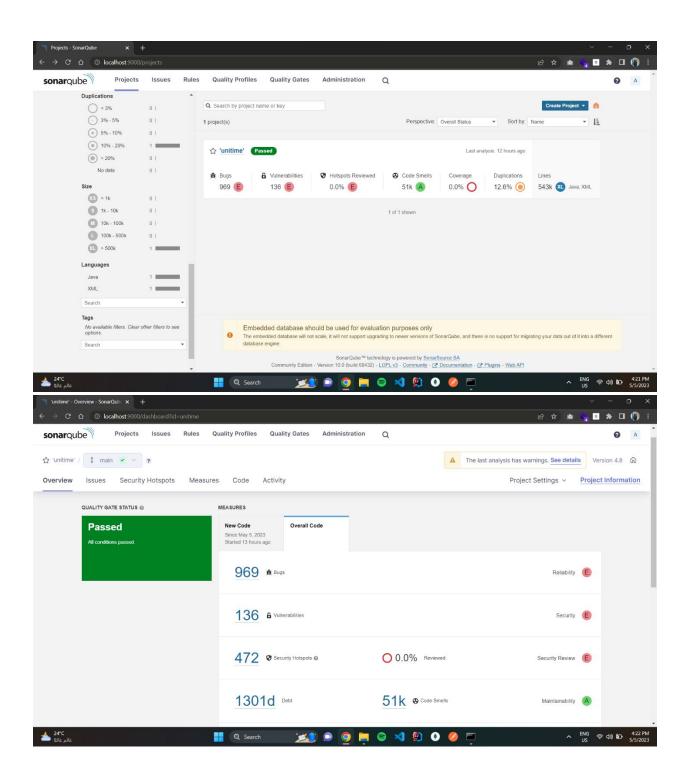
System description:

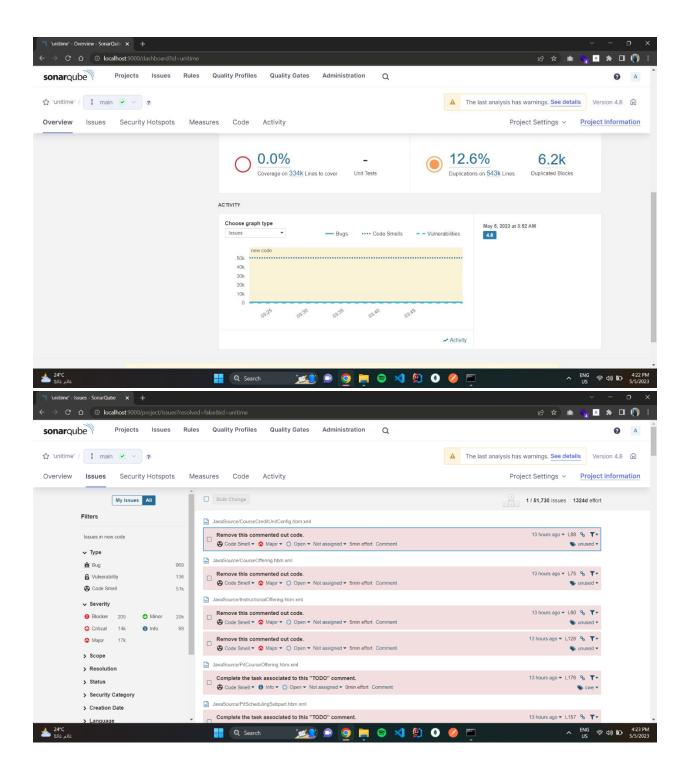
Creating course and test schedules, maintaining modifications to these schedules, sharing rooms with other events, and allocating students to certain classes are all supported by the complete educational scheduling system known as UniTime.

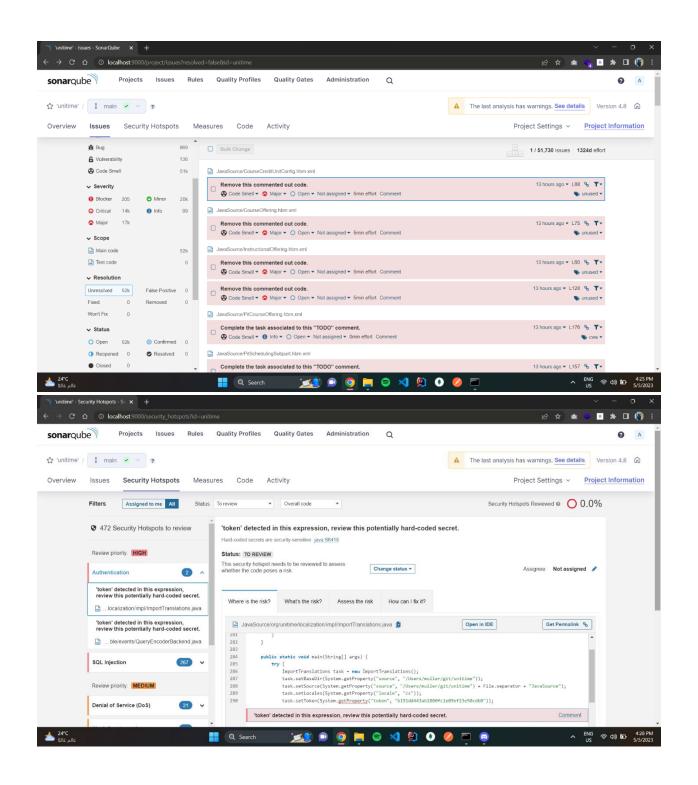
It is a distributed system that enables various university and departmental schedule administrators to coordinate efforts to create and change a schedule that satisfies their various organizational demands while minimizing student course conflicts. It may be interfaced with an existing student information system or used independently to build and maintain a school's class and/or test schedule.

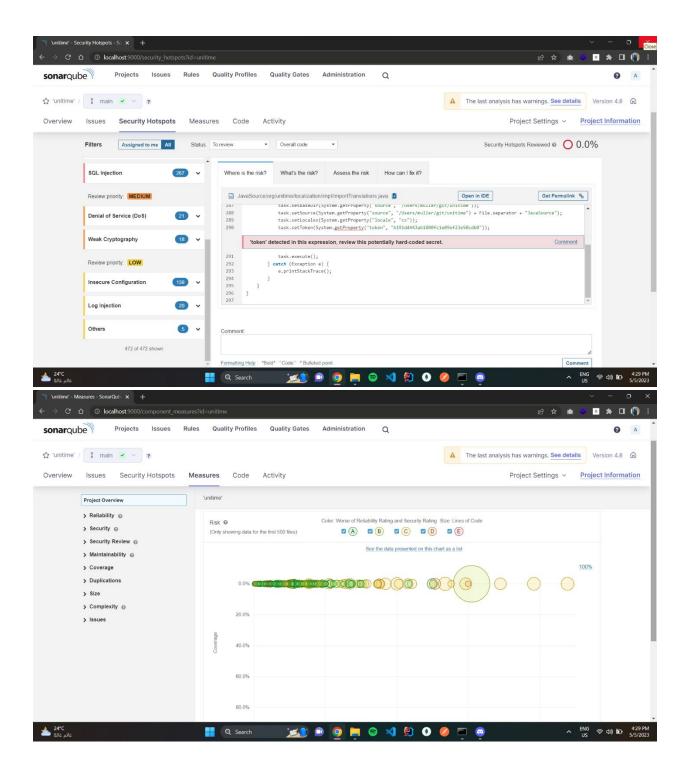
static code analysis:

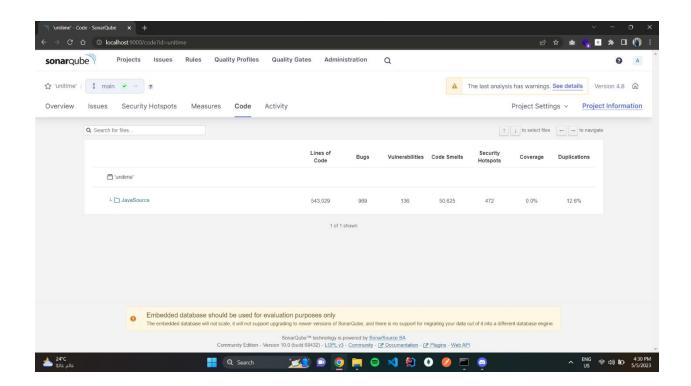












bug fix:

1-Fixing .equals() issues in file

"JavaSource/org/unitime/timetable/webutil/timegrid/PdfExamGridTable.java"

Description:

Comparing in Java should be done with the function **.equals()** but comparing in this file is done with operator = =

Test case: string1="tom", string2="tom" False with = = and True with equal()

2-replace the function replaceAll() to replace() in

Output one sheep, two sheep, three sheep

"JavaSource/org/unitime/timetable/webutil/timegrid/PdfExamGridTable.java\

Description:

replaceAll() is used with regex and it should be done with replace() instead because of regular strings

```
String myString = "_x__x_x_x_xx__xx_";

char oldChar = 'x';

char newChar = 'o';

String newString = myString.replace(oldChar, newChar);

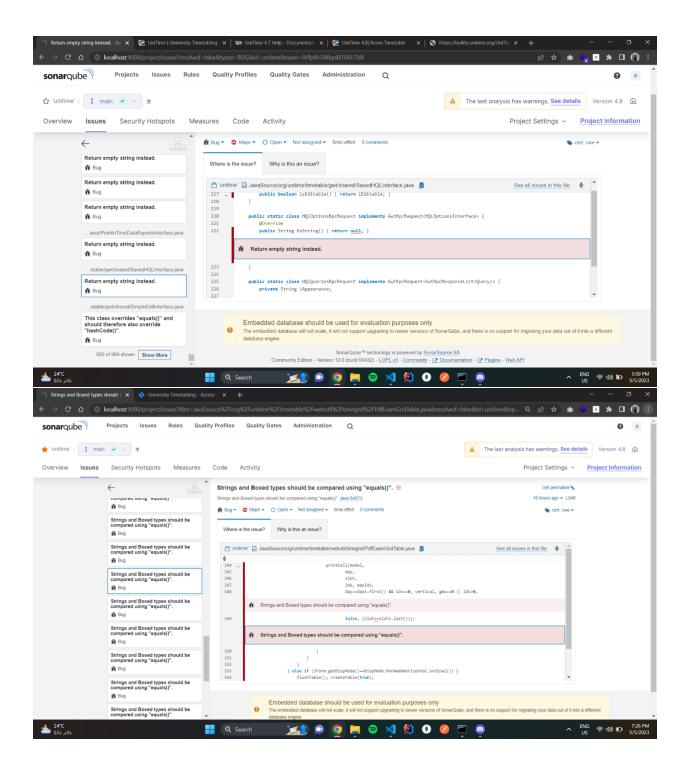
Output _o_o_o_o_o__oo__

String myString = "one fish, two fish, three fish";

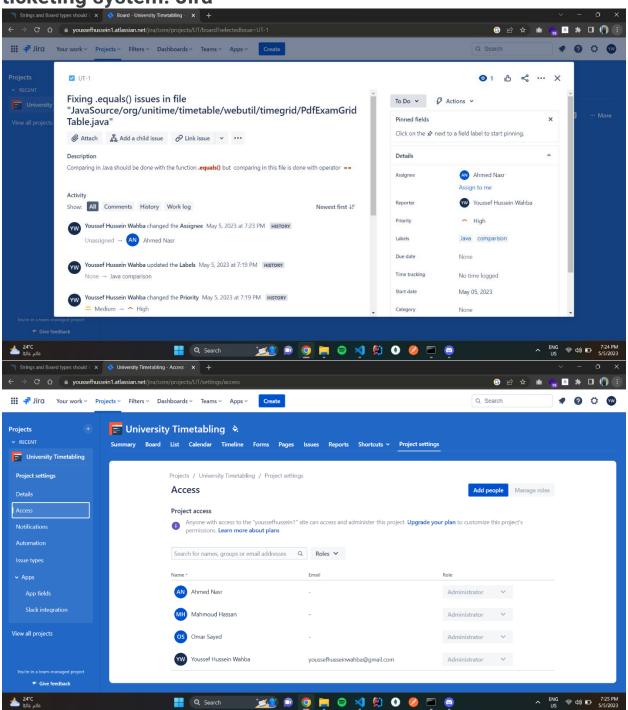
String target = "fish";

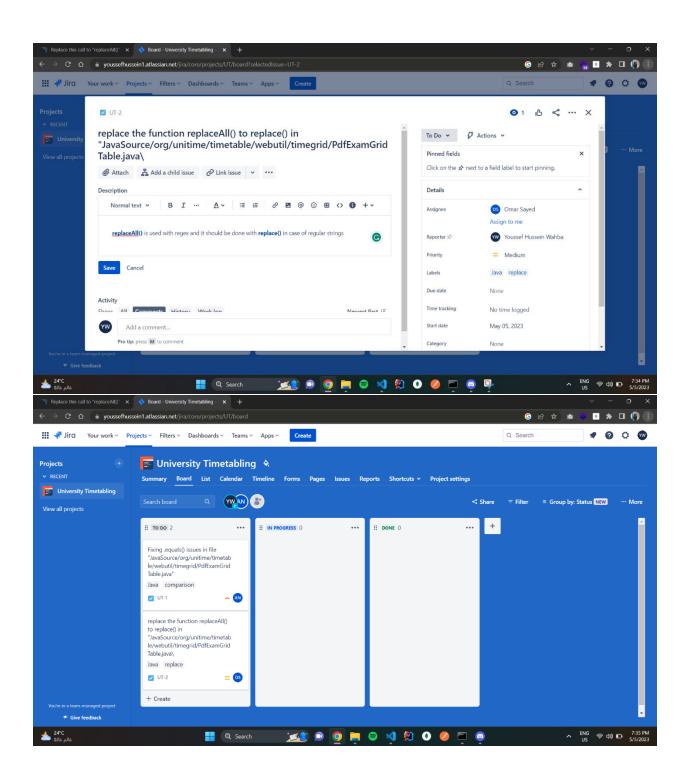
String replacement = "sheep";

String newString = myString.replace(target, replacement);
```



ticketing system: Jira





Team members:

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- -Mahmoud Hassan Mostafa 20206071

GitHub link: https://github.com/Youssef-Wahba/University-Timetabling-Maintaince

Jira link: https://youssefhussein1.atlassian.net/jira/core/projects/UT/board