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Maintenance Project

Phase1

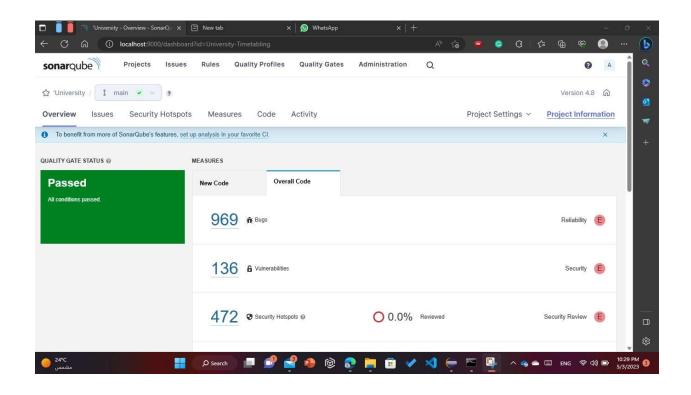
1) Link to GitHub Repo:

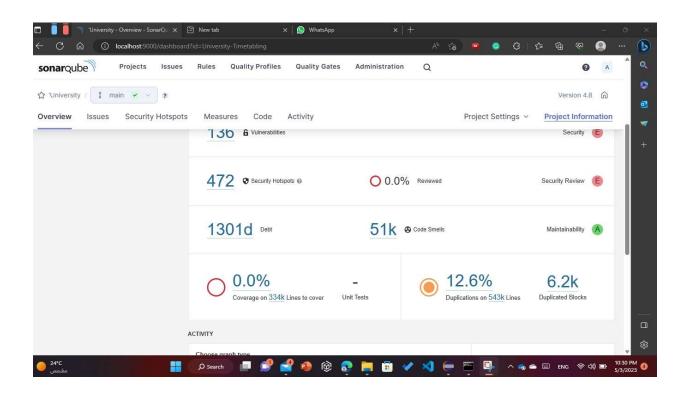
https://github.com/nadinehazem200/University-Time-Tabling

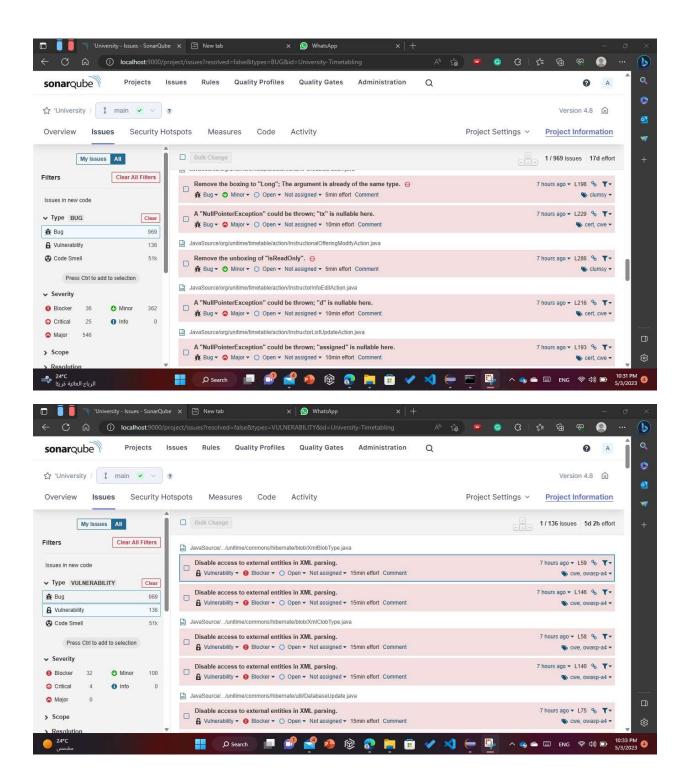
2) Link to ticketing system:

https://trello.com/w/universitytimetablingcode

3) Static analysis report:







4) Description of what the project does and it's techniques:

- -To describe the project, we use Bottom-up maintenance technique as we go through detailed code to get information then, we read the overall description. Bottom-up approach is technique which is suitable for usage when we (programmars) are unfamiliar with the code/application.
- -The project describes university timetabling, supports courses and exam timetables. It describes event action and checks permission of any authority and check requests.

The system consists of 3 main categories (features): Commons, localization and timetable. Commons consists of some of java classes as CalenderTimeZone which determines the time of lectures and the schedule, while localization consists of 2 categories which are impl and messages (security and course messages).

-In the project, it checks the enrollment of the students ,giving time table model, it also checks the validity of jenrl contsraints from student

enrollments, organize giving lectures and saves xml document.

5) Description for the feature/bug fix:

-In the project, we are going to start on 2 bugs, The first bug is (could not translate to xml format) which is:

Steps to reproduce: click on convert these to XML parsing button.

Actual result: Disable access to external entities in XML parsing.

Expected result: done.

, The second bug is (A null pointer exception would be thrown "d" is nullable here .) which is:

Steps to reproduce: click on the button.

Actual result: throw an exception.

Expected result: a string cannot be null.