An-Najah National University Faculty of Engineering and IT Electrical and Computer Engineering Department



جامعة النجاح الوطنية كلية الهندسة وتكنولوجيا المعلومات دائرة الهندسة الكهربانية والحاسوب

Software Engineering Project Report

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- Run all the testcases
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GitHub Link

https://github.com/SakancomOrganization/Sakancom

Organization	SakancomOrganization
Owner	mo-alawneh
Repository	Sakancom

Run all the testcases

- > TestSaleContract
- > **TestHouse**

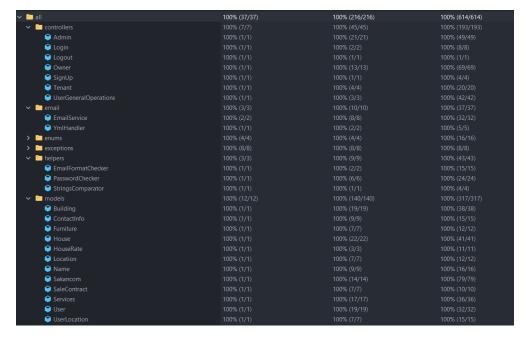
- ➤ Continue TestServices

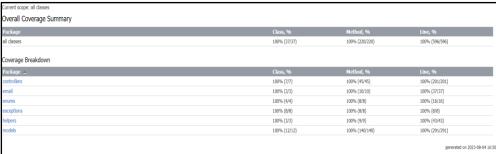
These are the top-level test labels (names of the test classes) and each one contains several tests, -we have 252 test-

⊙ Tests passed: 252 of 252 tests – 6 sec 263 ms

♣ Code Coverage from IntelliJ Ultimate

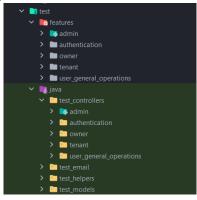
We got a 100% line -statement- coverage!



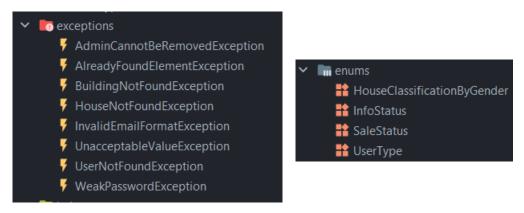


Hot topics in out project

- We design our project using MVC model view controller. The models are basic elements (objects) of the design; see the coverage photo to see the classes, and see the models UML on the last page! In addition to Models, Views and Controllers, we also have packages for: email service and helper classes.
- We divide the scenarios and the corresponding test classes in sub folders and packages.



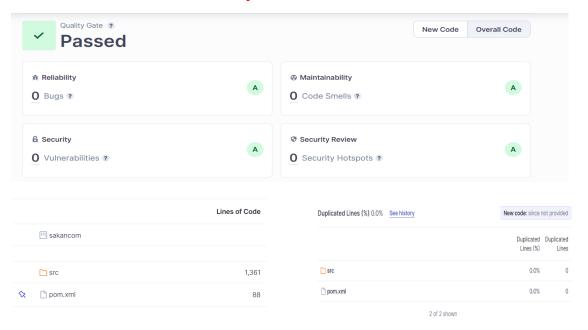
- We achieved the "Single-Responsibility" principle even in the scenarios; since we have 35 different scenarios.
- We add customized Exceptions and Enums such as:



- We add an email service using JavaMailServer and we test it using the Mockito Framework.
- We put the sender email and its token on YML file and read them in the code using the YmlHandler class to avoid any security issue.

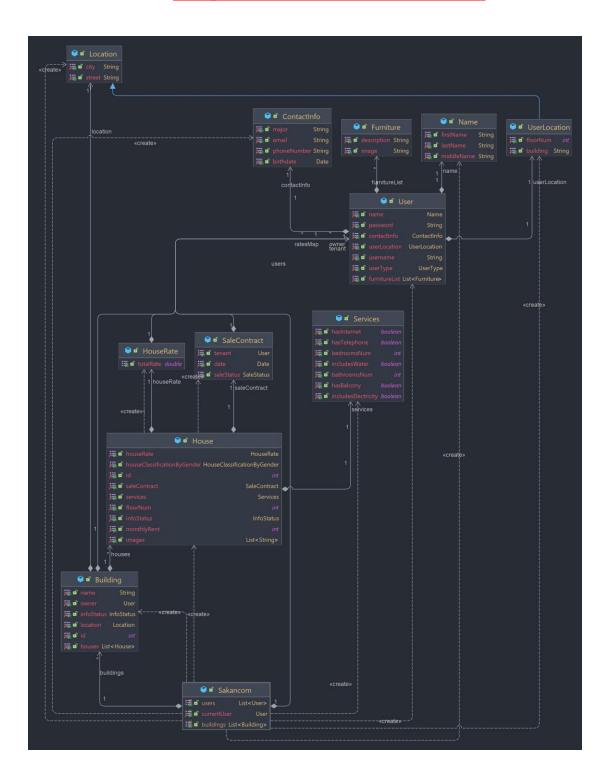


Sonar Cloud static analysis



NOTE: We used **SonarLint** plugin on IntelliJ since we have been starting the project.

As I promised, this is the models UML!



THE END! THANK YOU!