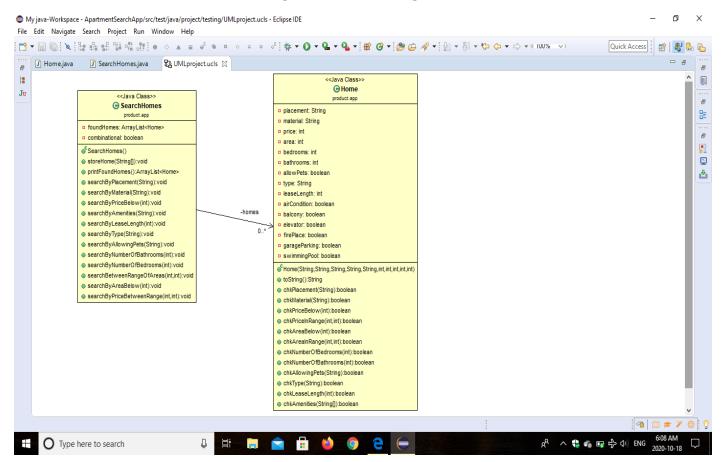
# Output for assignment (2)

### Apartment searching app project

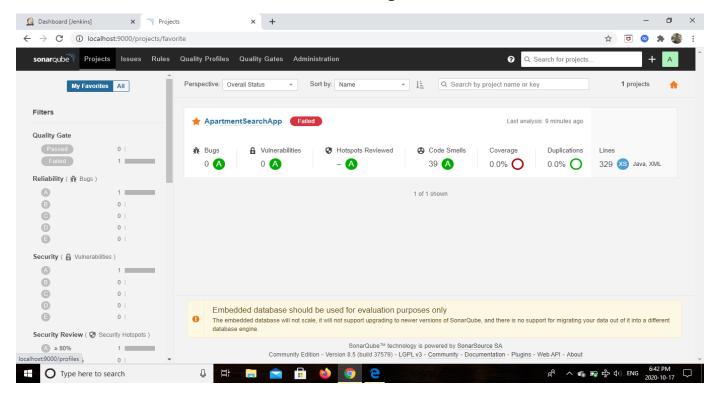
This is the second part of the project, we focused on refactoring the code in depth using **SonarQube** tool to produce better quality of the product. Then we used (CI) principle by **Jenkins** that can rebuild the project many times to check everything is going well with no worries. On the other hand, we have added a third party to the product that is email sending service. We achieved the testing by using Mocking technique.

### Firstly: For assignment (1) - to compare:

We have the <u>old</u> UML diagram from assignment (1):

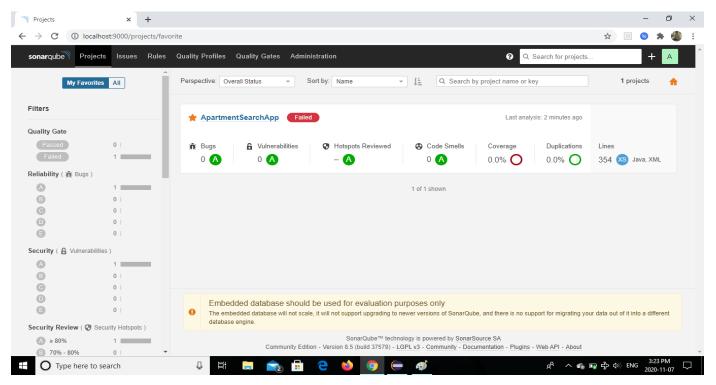


### We have initial SonarQube dashboard assignment (1) → 39 bad smells

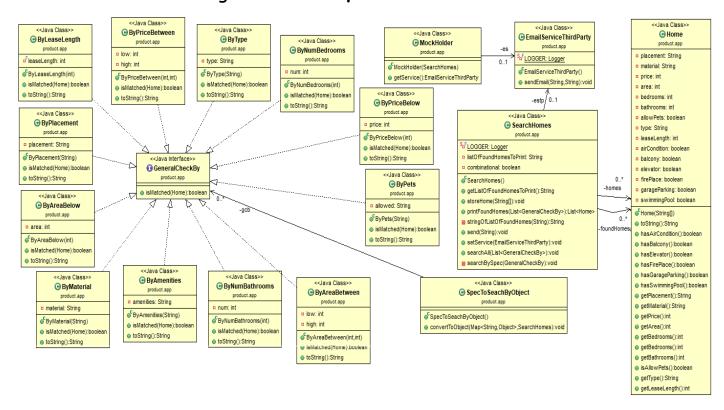


### Secondly: For assignment (2) - current task after refactoring:

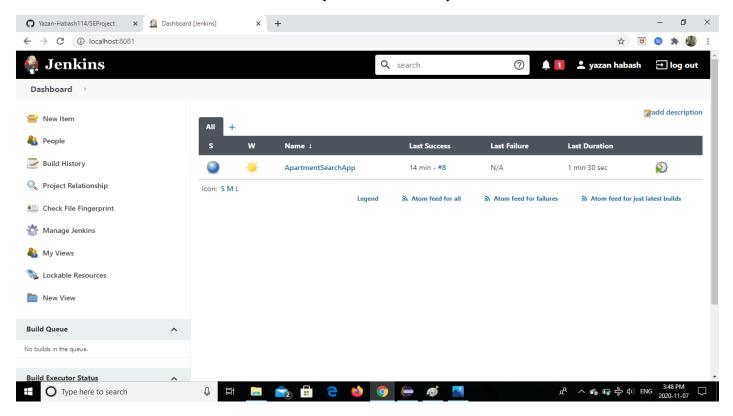
- Here we have the <u>final</u> dashboard from **SonarQube** tool:



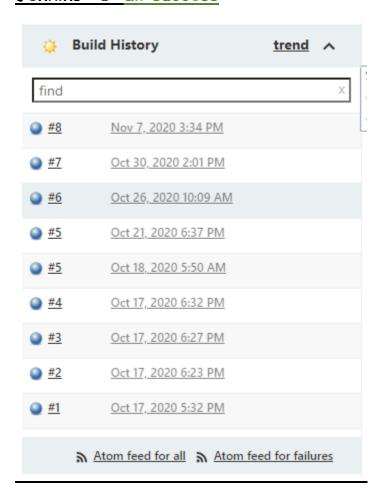
#### - The final UML diagram from eclipse IDE:



- The final **Jenkins** dashboard (The last build):



# And here we can see a list of the last eight builds have been done on **Jenkins**: all success



## Before execution and run the project on Eclipse IDE:

We have these homes in data set (Search.feature file):

```
Background: The System has a repository of homes with their specifications

Given these homes are contained in the system

| HOUSE_WOOD_VILLAGE_NO_GARAGEPARKING, FIREPLACE, ELEVATOR | 510_150_3_2_6 |

| APARTMENT_BRICK_CITY_YES_ELEVATOR | 330_120_4_2_12 |

| HOUSE_WOOD_CITY_NO_AIRCONDITIONING, BALCONY, ELEVATOR, GARAGEPARKING, FIREPLACE, SWIMMINGPOOL | 150_230_3_1_12 |
```

### After execution and run the project:

## The output on the console screen has been shown as following:

```
🔛 Problems 📮 Console 🛭 🛂 Git Staging 🚡 Coverage
<terminated> AcceptanceTest [JUnit] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (Nov 18, 2020, 9:58:13 AM)
   OTHMAN S OTHMAN && YAZAN N HABASH
   Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
   INFO:
    placed in a 'CITY'
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Con
    Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    INFO:
    material specification 'BRICK'
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Con
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    TNFO.
    below a specified price '400'
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Con
    Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    in the price range (300, 500)
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Con
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
     that below a specified area '135 m2'
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Com
  📳 Problems 📮 Console 🛭 🚵 Git Staging 🔒 Coverage
                                                                                                              <terminated> AcceptanceTest [JUnit] C:\Program Files\Java\jdk1.8.0_202\bin\javaw.exe (Nov 18, 2020, 9:58:13 AM)
   Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Com
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    number of bedrooms = 3
    Home [placement=VILLAGE, material=WOOD, price=510, area=150, bedrooms=3, bathrooms=2, allow pets=false, type=HOUSE, lease length=6, air Condi
    Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    INFO:
    Home [placement=VILLAGE, material=WOOD, price=510, area=150, bedrooms=3, bathrooms=2, allow_pets=false, type=HOUSE, lease_length=6, air_Condi
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Con
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow pets=true, type=APARTMENT, lease length=12, air Con-
    Nov 18, 2020 9:58:16 AM product.app.SearchHomes printFoundHomes
    TNFO:
    match the type 'HOUSE'
    Home [placement=VILLAGE, material=WOOD, price=510, area=150, bedrooms=3, bathrooms=2, allow_pets=false, type=HOUSE, lease_length=6, air_Condi
    Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition
```

```
Problems Console & GitStaging Coverage

terminated AcceptanceTet [Unit] CAProgram Files Vavalydk1.80. 2022 bin/javaw.eee (Nov 18, 2020, 9:58:13 AM)

Nov 18, 2020 9:58:16 AM product.app. SearchHomes printFoundHomes

INFO:

Lease Length of '12'

Home [placement=CITY, material=BRICK, price=330, area=120, bedrooms=4, bathrooms=2, allow_pets=true, type=APARTMENT, lease_length=12, air_Condition

Nov 18, 2020 9:58:16 AM product.app. SearchHomes printFoundHomes

INFO:

have amenites 'AIRCONDITIONING, BALCONY, ELEVATOR, GARAGEPARKING, FIREPLACE, SWIMMINGPOOL'

Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition

Nov 18, 2020 9:58:16 AM product.app. SearchHomes printFoundHomes

INFO:

have amenites 'AIRCONDITIONING, BALCONY, ELEVATOR' lease length of '12' placed in a 'CITY' allowing pets (NO)

Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition

Nov 18, 2020 9:58:16 AM product.app. SearchHomes printFoundHomes

INFO:

have amenites 'AIRCONDITIONING, BALCONY, ELEVATOR' lease length of '12' placed in a 'CITY' allowing pets (NO)

Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition

Nov 18, 2020 9:58:16 AM product.app. SearchHomes printFoundHomes

INFO:

have amenites 'AIRCONDITIONING, BALCONY, ELEVATOR' lease length of '12' placed in a 'CITY' allowing pets (NO)

Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition

Nov 18, 2020 9:58:16 AM product.app. SearchHomes printFoundHomes

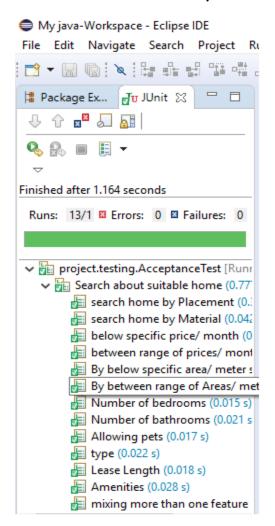
INFO:

have amenites 'AIRCONDITIONING, BALCONY, ELEVATOR' lease length of '12' placed in a 'CITY' allowing pets (NO)

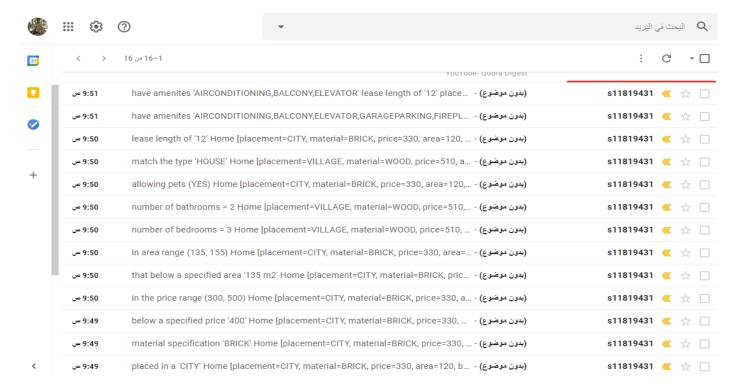
Home [placement=CITY, material=WOOD, price=150, area=230, bedrooms=3, bathrooms=1, allow_pets=false, type=HOUSE, lease_length=12, air_Condition

Nov 18, 2020 9:58:16 AM pro
```

## And the **Junit** output status was <u>pass</u>:



- The output has been sent by email:



And there is an email similar to it that has been sent to you on

# Written by: Yazan Habash

Group members: Yazan Habash & Othman Othman

<sup>&</sup>quot;haya.sammaneh@gmail.com".