

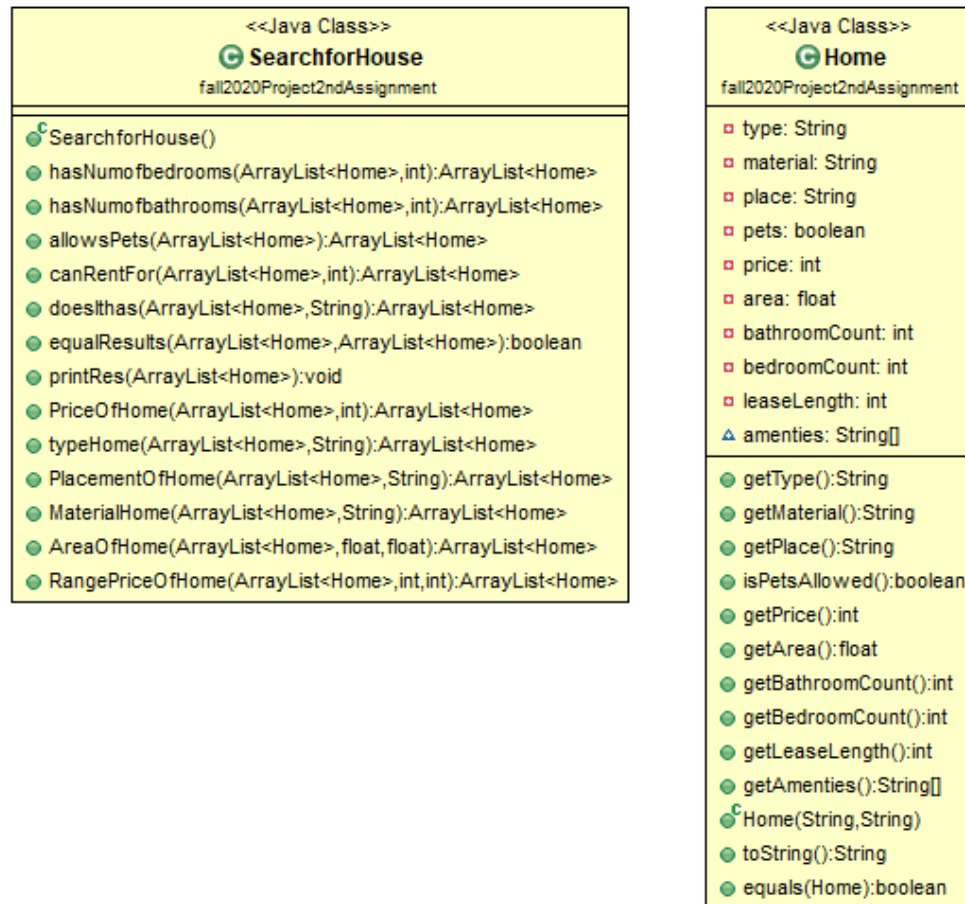
1st Project output

Done By:

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A. UML diagram



B. Output

Repository:

Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6]

Home [area=120.0 ,price=230 ,no_of_bedrooms=4 ,lease_length=12]

The screenshot shows an IDE with two main panes. The left pane displays the Package Explorer and JUnit test results. The right pane shows the console output of the tests.

JUnit Results (Left Pane):

- Finished after 0.416 seconds
- Runs: 13/13
- Errors: 0
- Failures: 0
- Test Scenarios (13 passed):
 - Search about suitable home (0.345 s)
 - Search home by type (0.286 s)
 - Search about home with less than a specific price (0.006 s)
 - Search home by Placement (0.005 s)
 - Search home by Material (0.004 s)
 - Search home with Price_Month (0.004 s)
 - Search home with less than a specific Area (0.008 s)
 - Search home with range_area (0.004 s)
 - Search about home with specific number of bed rooms (0.003 s)
 - Search about home with specific number of bathrooms (0.003 s)
 - Search about home that allows pets (0.003 s)
 - Search about home with specific lease length (0.003 s)

Console Output (Right Pane):

```
<terminated> fall2020Project2ndAssignment (2) [JUnit] C:\Program Files\Java\jdk1.8.0_231\bin\javaw.exe (Oct 3, 2020, 4:06:52 PM)
When I searched for a house that type is a house
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that price is less than 400
[Home [area=120.0 ,price=230 ,no_of_bedrooms=4 ,lease_length=12 ,Type=APARTMENT]]
When I searched for a house that is in a village
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that it's material is wood
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that price is between 500 and 700
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that area is less than 160
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE], Home [area=120.0 ,price=230 ,no_of_bedrooms=4 ,lease_length=12 ,Type=APARTMENT]]
When I searched for a house that area is between 150 & 200
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that has 3 Bedrooms
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that has 2 bathrooms
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE], Home [area=120.0 ,price=230 ,no_of_bedrooms=4 ,lease_length=12 ,Type=APARTMENT]]
When I searched for a house that Allows pets
Sorry but there is no results matches
When I searched for a house that lease length is short term (6 months)
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that has a fireplace
[Home [area=150.0 ,price=510 ,no_of_bedrooms=3 ,lease_length=6 ,Type=HOUSE]]
When I searched for a house that price is less than 300 and has a 2 bathrooms
[Home [area=120.0 ,price=230 ,no_of_bedrooms=4 ,lease_length=12 ,Type=APARTMENT]]

13 Scenarios (13 passed)
39 Steps (39 passed)
0m0.395s
```

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JUnit Results (Left Pane):

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 - Search about home with specific number of bathrooms (0.003 s)
 - Search about home that allows pets (0.003 s)
 - Search about home with specific lease length (0.003 s)
 - Search about home with with a specific amentie (0.003 s)
 - Search about home with price less than a value and has specific count of bath

Console Output (Right Pane):

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