



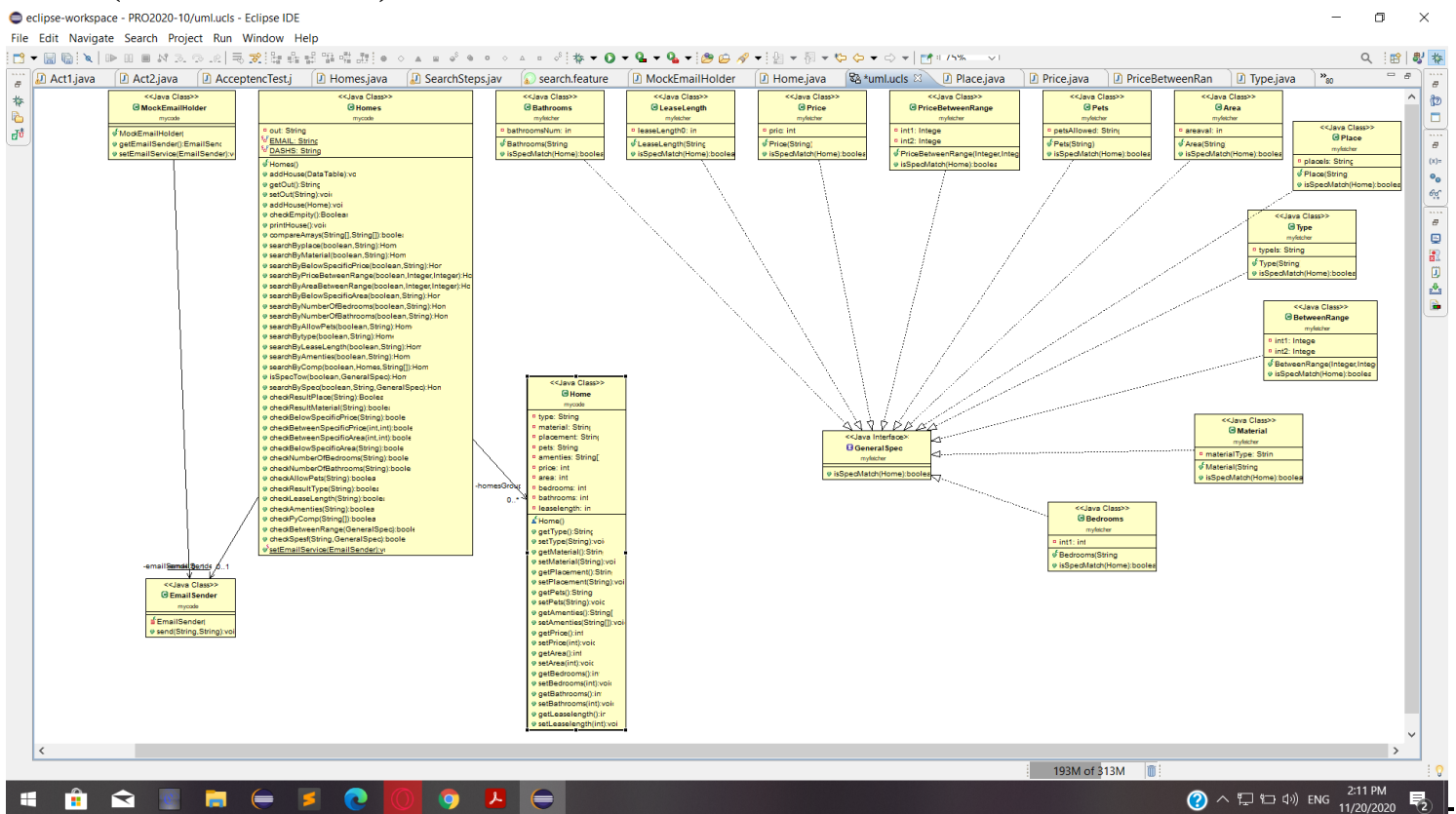
Instructor: Haya Sammaneh

NAME	ID NUM	SEC
أحمد عبد الله جبر القرم	11819195	2/12:30-2:00
خالد موسى خالد أبو ليدة	11819170	2/12:30-2:00

Assignment2

Refractor/Mock/Sonar/Jenkin CI

UML(after refactor):



Mocking test for your test cases:

Debug Project Explorer JUnit

Finished after 0.995 seconds

Runs: 13/13 Errors: 0 Failures: 0

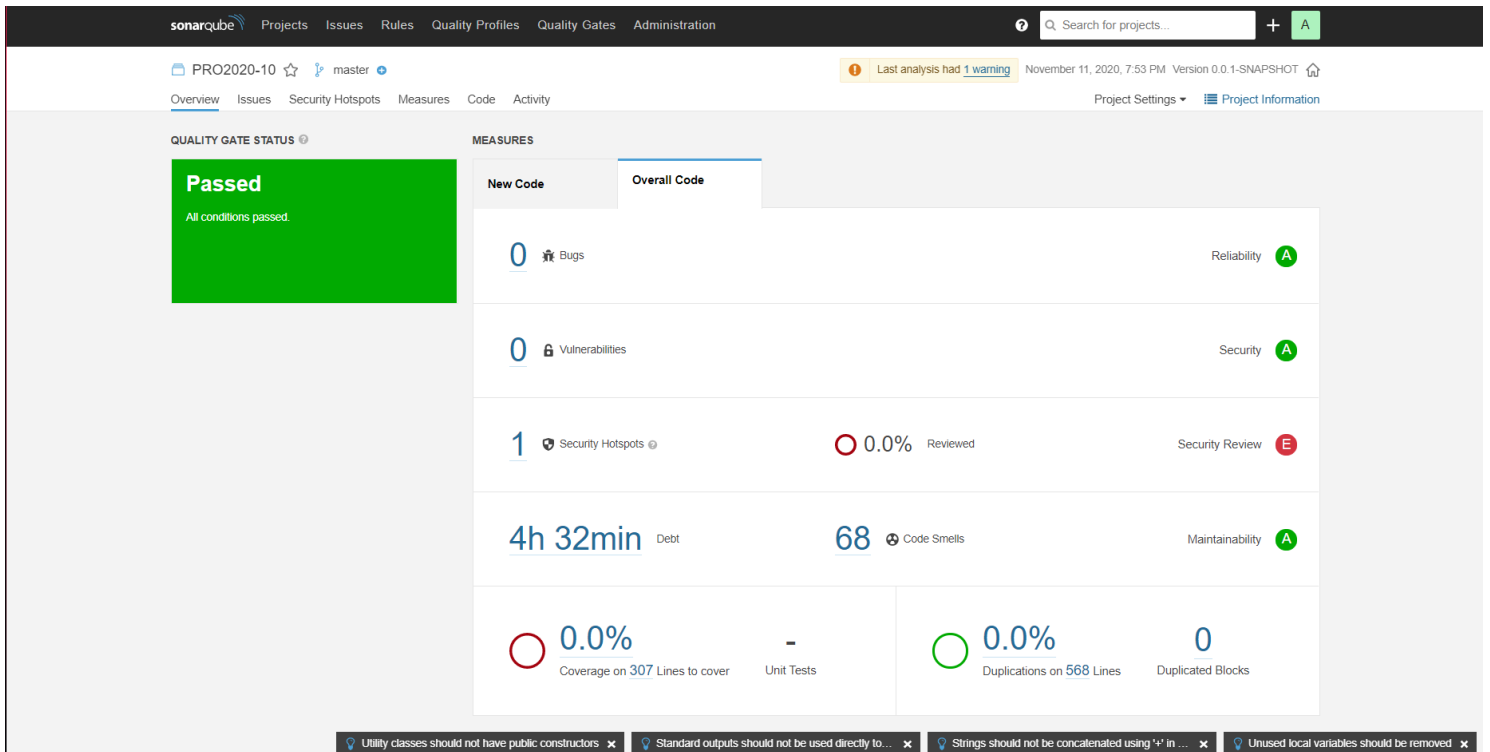
TESTBACK.AcceptanceTest [Runner: JUnit 4] (0.753 s)

- Search about suitable home (0.753 s)
 - Search home by Placement (0.511 s)
 - Search home by Material (0.016 s)
 - Search home by below specific price (0.015 s)
 - Search home by between range of prices (0.020 s)
 - Search home by below specific area (0.020 s)
 - Search home by between range of area (0.010 s)
 - Search home By Number of bathrooms (0.019 s)
 - Search home By Number of bedrooms (0.014 s)
 - Search home by Allow Pets (0.013 s)
 - Search home by Type (0.039 s)
 - Search home By Lease Length (0.009 s)
 - Search home by Amenties (0.006 s)
 - Search home By Combination (0.061 s)

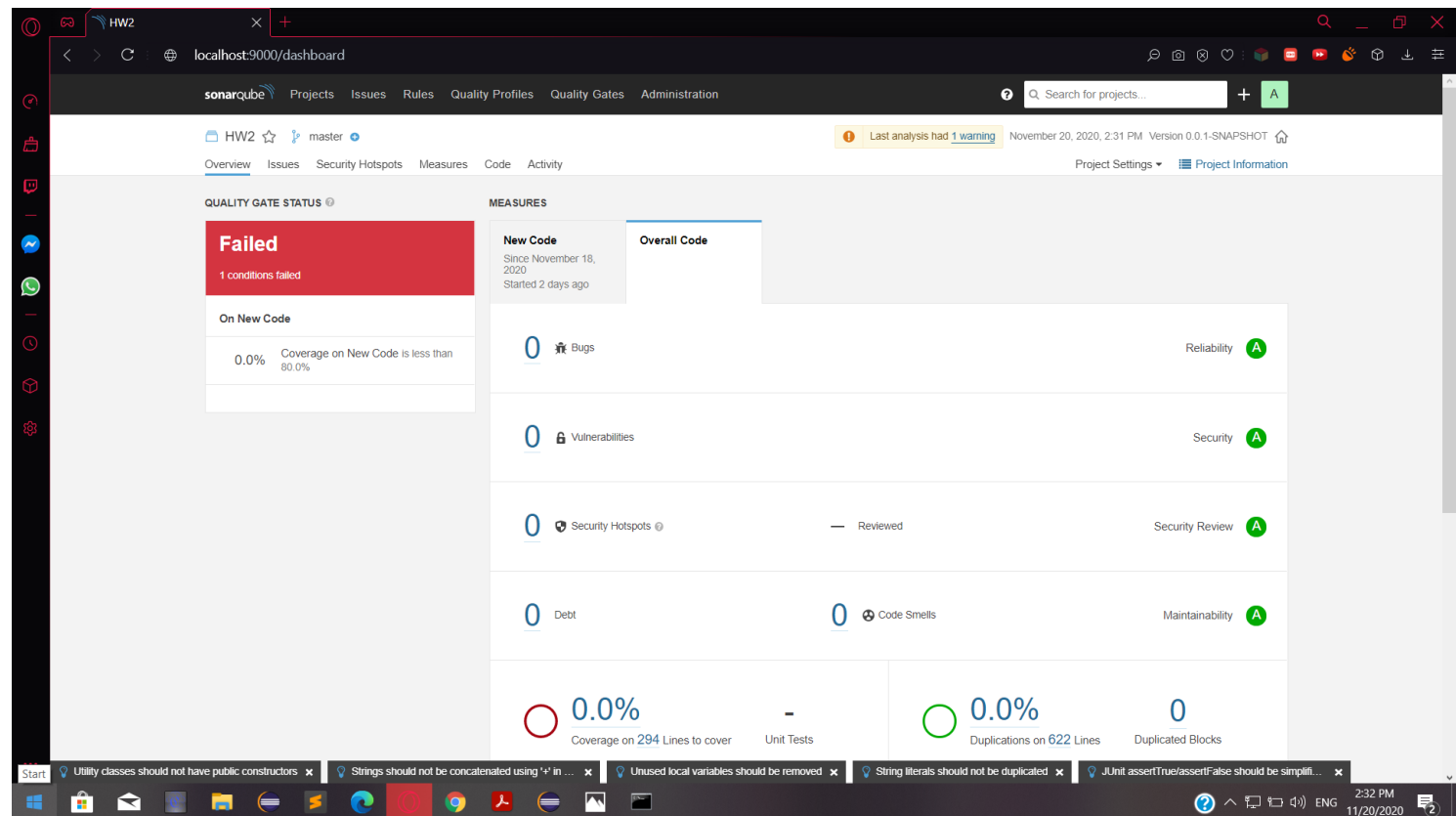
Failure Trace

Sonarqube :

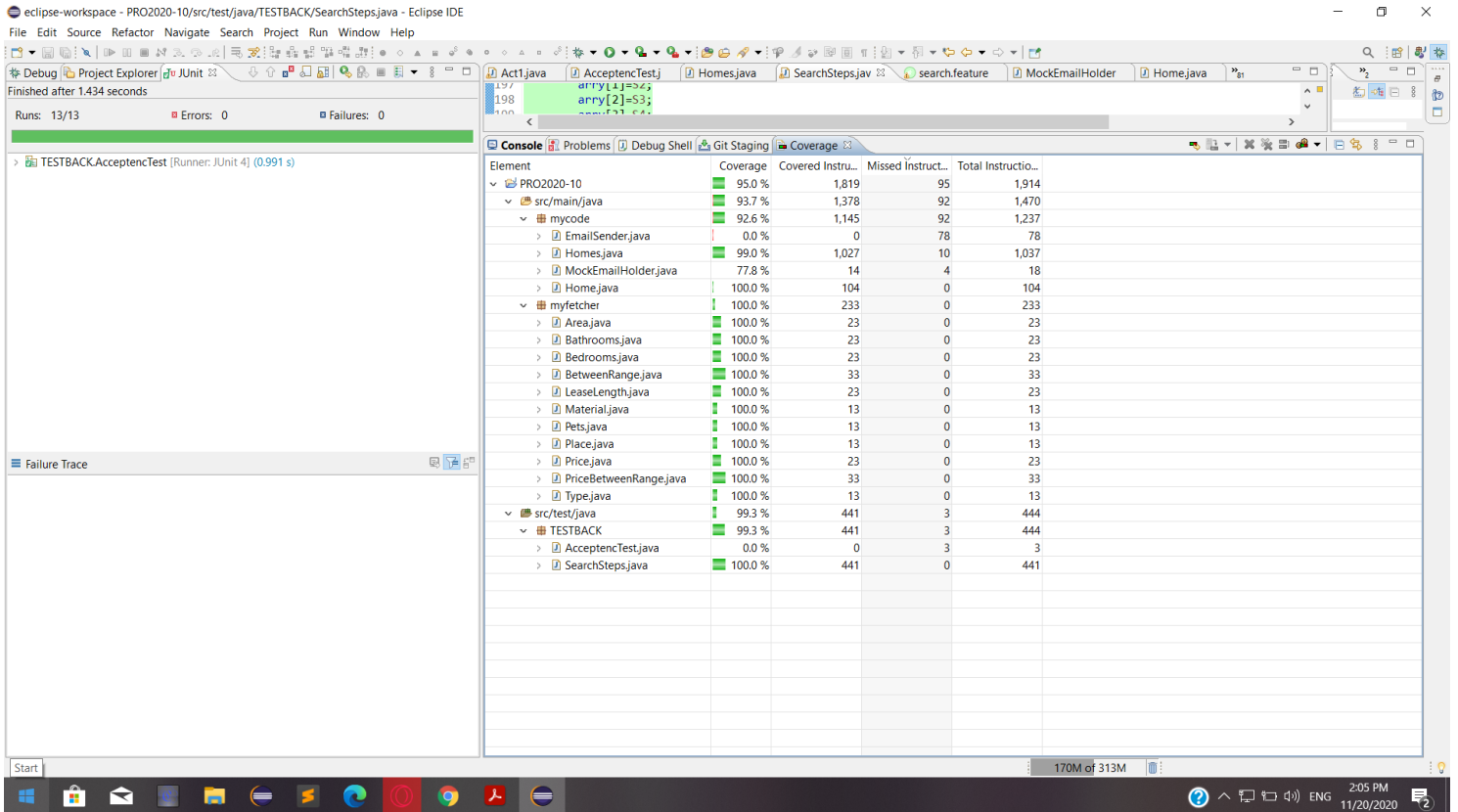
before refactor



After refactor



Coverage :

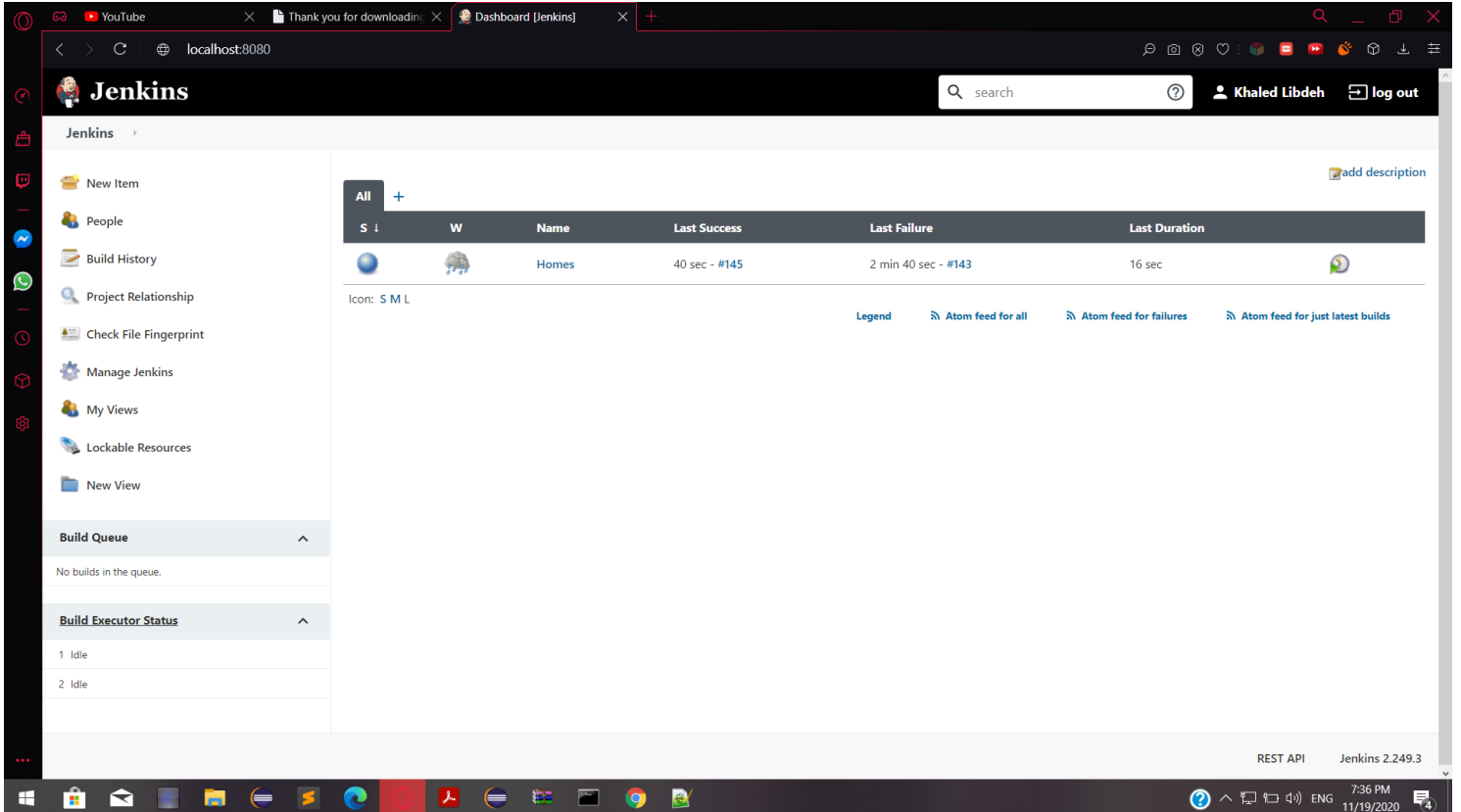


The screenshot shows the Eclipse IDE interface with the Coverage view open. The Coverage view displays a table with the following data:

Element	Coverage	Covered Instru...	Missed Instruct...	Total Instructu...
PRO2020-10	95.0 %	1,819	95	1,914
src/main/java	93.7 %	1,378	92	1,470
mycode	92.6 %	1,145	92	1,237
EmailSender.java	0.0 %	0	78	78
Homes.java	99.0 %	1,027	10	1,037
MockEmailHolder.java	77.8 %	14	4	18
Home.java	100.0 %	104	0	104
myfetcher	100.0 %	233	0	233
Area.java	100.0 %	23	0	23
Bathrooms.java	100.0 %	23	0	23
Bedrooms.java	100.0 %	23	0	23
BetweenRange.java	100.0 %	33	0	33
LeaseLength.java	100.0 %	23	0	23
Material.java	100.0 %	13	0	13
Pets.java	100.0 %	13	0	13
Place.java	100.0 %	13	0	13
Price.java	100.0 %	23	0	23
PriceBetweenRange.java	100.0 %	33	0	33
Type.java	100.0 %	13	0	13
src/test/java	99.3 %	441	3	444
TESTBACK	99.3 %	441	3	444
AcceptencTest.java	0.0 %	0	3	3
SearchSteps.java	100.0 %	441	0	441

The console shows the output of a JUnit test run: `TESTBACKAcceptencTest [Runner: JUnit 4] (0.991 s)`. The console also shows the output of the test: `array[2]=53`.

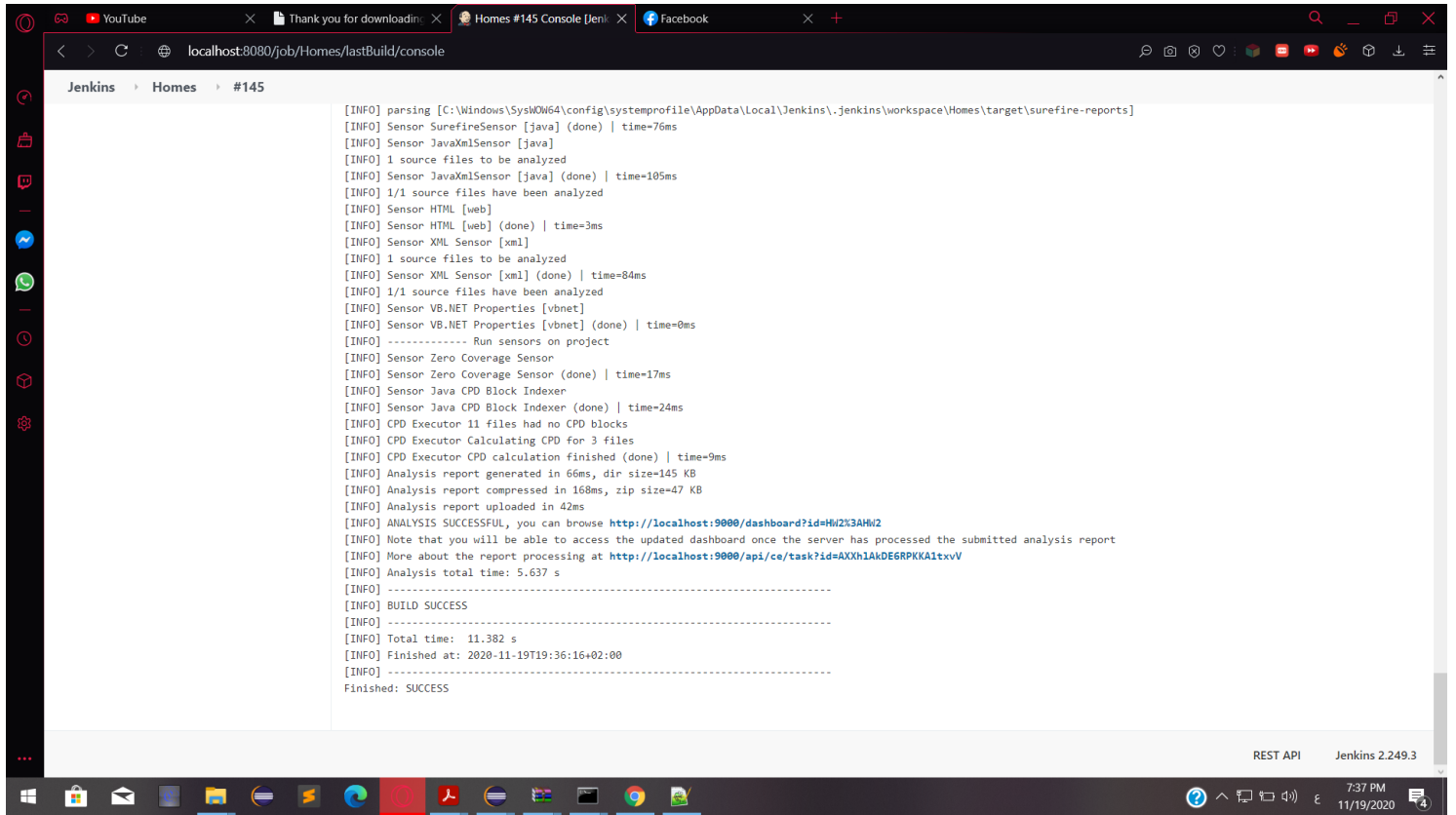
Jenkin dashboard:



The screenshot shows the Jenkins dashboard. The dashboard includes a search bar, a user profile for Khaled Libdeh, and a log out button. The main content area displays a table of builds with the following data:

All	S	W	Name	Last Success	Last Failure	Last Duration
			Homes	40 sec - #145	2 min 40 sec - #143	16 sec

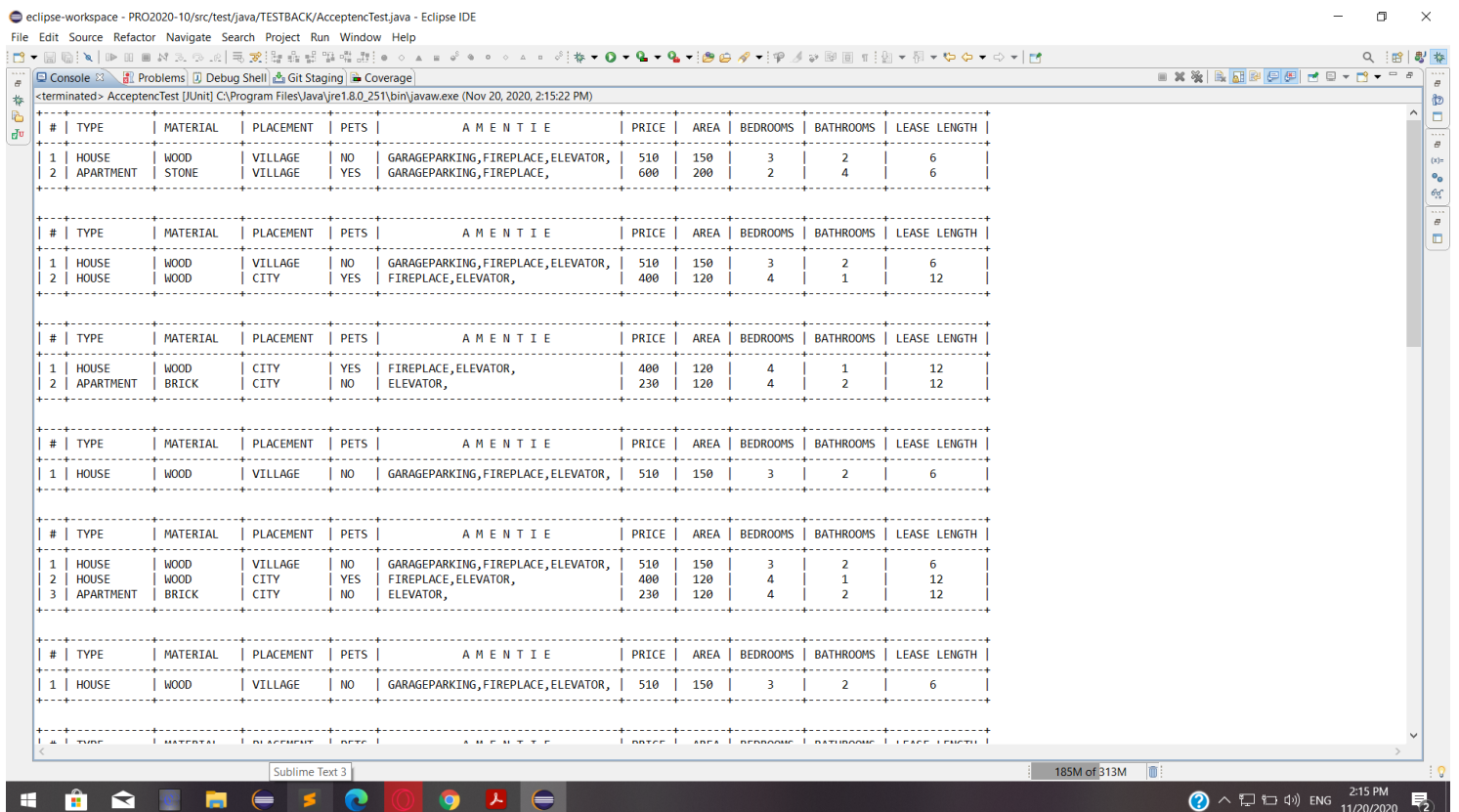
The dashboard also includes a sidebar with links to various Jenkins features, such as New Item, People, Build History, Project Relationship, Check File Fingerprint, Manage Jenkins, My Views, Lockable Resources, and New View. The bottom of the dashboard shows the REST API and Jenkins version 2.249.3.



Out put :

My repository

#	TYPE	MATERIAL	PLACEMENT	PETS	A M E N T I E	PRICE	AREA	BEDROOMS	BATHROOMS	LEASE LENGTH
1	HOUSE	WOOD	VILLAGE	NO	GARAGEPARKING, FIREPLACE, ELEVATOR,	510	150	3	2	6
2	APARTMENT	STONE	VILLAGE	YES	GARAGEPARKING, FIREPLACE,	600	200	2	4	6
3	HOUSE	WOOD	CITY	YES	FIREPLACE, ELEVATOR,	400	120	4	1	12
4	APARTMENT	BRICK	CITY	NO	ELEVATOR,	230	120	4	2	12



Console Problems Debug Shell Git Staging Coverage

<terminated> AcceptencTest [JUnit] C:\Program Files\Java\jre1.8.0_251\bin\javaw.exe (Nov 20, 2020, 2:15:22 PM)

#	TYPE	MATERIAL	PLACEMENT	PETS	A M E N T I E	PRICE	AREA	BEDROOMS	BATHROOMS	LEASE LENGTH
1	APARTMENT	STONE	VILLAGE	YES	GARAGEPARKING, FIREPLACE,	600	200	2	4	6

#	TYPE	MATERIAL	PLACEMENT	PETS	A M E N T I E	PRICE	AREA	BEDROOMS	BATHROOMS	LEASE LENGTH
1	HOUSE	WOOD	CITY	YES	FIREPLACE, ELEVATOR,	400	120	4	1	12
2	APARTMENT	BRICK	CITY	NO	ELEVATOR,	230	120	4	2	12

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2	APARTMENT	BRICK	CITY	NO	ELEVATOR,	230	120	4	2	12

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1	HOUSE	WOOD	CITY	YES	ELEVATOR, FIREPLACE,	400	120	4	1	12

#	TYPE	MATERIAL	PLACEMENT	PETS	A M E N T I E	PRICE	AREA	BEDROOMS	BATHROOMS	LEASE LENGTH
1	HOUSE	WOOD	VILLAGE	NO	GARAGEPARKING, FIREPLACE, ELEVATOR,	230	120	2	2	6

187M of 313M

2:16 PM 11/20/2020