

# Sector Labs Software Development Engineer in Test Takehome Assignment

Write UI automated tests for the following test scenarios. We recommend using webdriverIO as it's a part of our stack but ultimately if you feel more comfortable working with other languages and technologies, you can use whatever you please to get the job done.

The purpose of writing these tests is to show your automation craftsmanship. Try to come up with solid solutions and present something that you are proud of. You can take the time you need, it's not about speed of execution or cutting corners, it's about the quality of the work.

As you probably did not encounter webdriverIO during university or on the job, here is a list of resources to kick off your journey in frontend automation test development:

- <https://webdriver.io/>
- <https://www.youtube.com/channel/UCdsG6Ebb5UBHOhtsofrsjg>
- <https://gitter.im/webdriverio/webdriverio>

## Test: Verify results match the search criteria

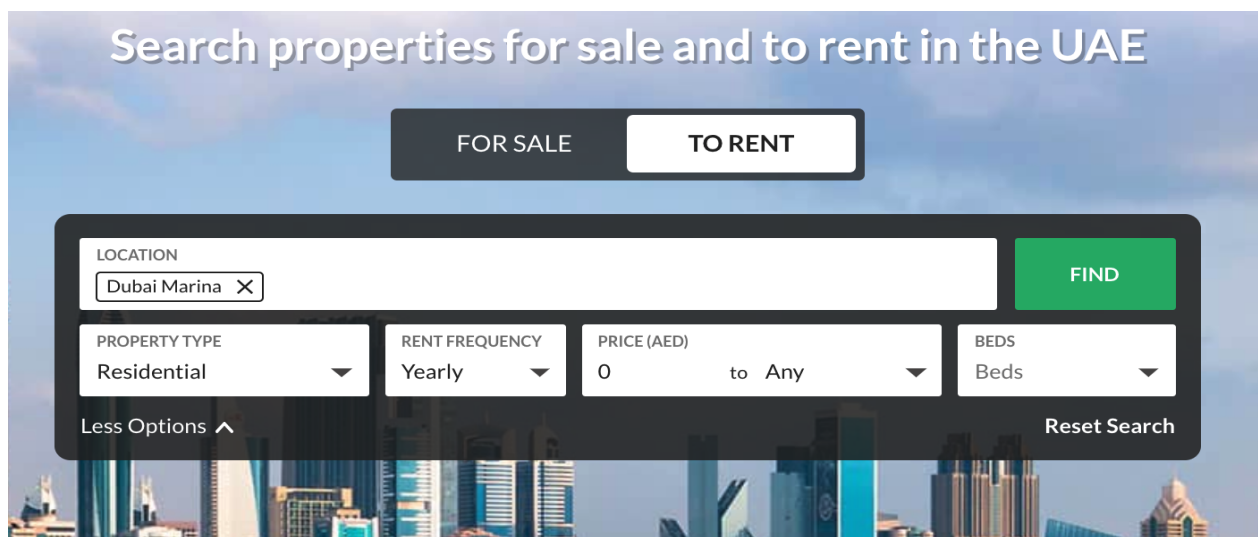
Open bayut.com

Select Dubai Marina as a location

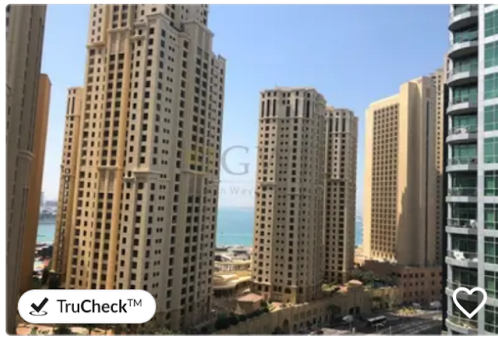
Select properties For Sale

Search for properties

Verify that all displayed properties contain the selected location



The screenshot displays the search interface for properties in the UAE. At the top, there's a header "Search properties for sale and to rent in the UAE". Below this, there are two buttons: "FOR SALE" and "TO RENT". The "TO RENT" button is currently selected. Below these buttons is a search bar with the text "Dubai Marina" and a close button (X). To the right of the search bar is a green "FIND" button. Below the search bar, there are four filter sections: "PROPERTY TYPE" with a dropdown menu showing "Residential", "RENT FREQUENCY" with a dropdown menu showing "Yearly", "PRICE (AED)" with a range from "0" to "Any", and "BEDS" with a dropdown menu showing "Beds". At the bottom left of the filter section, there is a link "Less Options" with an upward arrow. At the bottom right, there is a "Reset Search" button. The background of the interface shows a city skyline.



AED **49,999** Yearly

SIGNATURE

Marina Wharf I, Marina Wharf, Dubai Marina, Dubai  
Apartment

Bright and Cozy|Partial Sea view|Chiller free

🛏 1 🚿 2 🏠 822 sqft

CALL

EMAIL

GWP  
Golden Wave Properties



AED **77,900** Yearly

SIGNATURE

West Avenue, Dubai Marina, Dubai  
Apartment

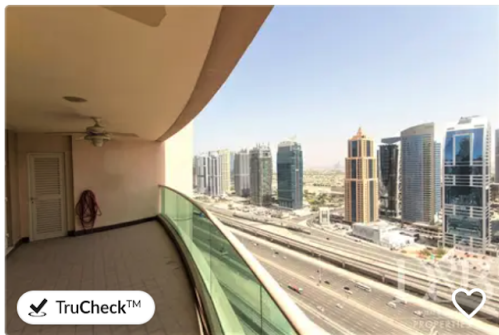
Immaculate Condition | 1 Bed | Fully Furnished ...

🛏 1 🚿 2 🏠 699 sqft

CALL

EMAIL

سوراف ويزنر العقارية  
Silver Waves Real Estate Broker



AED **145,000** Yearly

SIGNATURE

Marina Mansions, Dubai Marina, Dubai  
Apartment

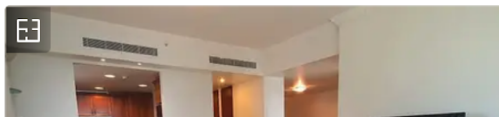
Huge Layout | Maids Room | Great Location

🛏 4 🚿 6 🏠 3,070 sqft

CALL

EMAIL

D&B  
DUBAI & BEYOND  
PROPERTIES



AED **138,000** Yearly

SIGNATURE

Al Mesk Tower, Dubai Marina Towers (Emaar 6 Towers), Dubai Mari...

### Test: Verify Popular Searches links work correctly

Open bayut.com

Scroll down to the 'Popular searches' section on the homepage

Open the 'To rent' tab

Validate links under 'Dubai apartments' are functioning correctly (the search page is loaded correctly)

## Popular searches in the UAE

For Sale

To Rent



### Dubai Apartments

Dubai Marina  
Jumeirah Village Circle  
Jumeirah Lake Towers  
Downtown Dubai  
Business Bay  
Palm Jumeirah  
Dubai Sports City  
Jumeirah Beach Residence  
The Greens  
Dubai Silicon Oasis  
Motor City  
Green Community  
Dubai Production City - IMPZ

### Abu Dhabi Apartments

Al Reem Island  
Al Raha Beach  
Khalifa City A  
Al Khalidiyah  
Corniche Area  
Al Reef  
Mohammed Bin Zayed City  
Al Ghadeer  
Airport Street  
Electra Street

### Apartments in other Emirates

Sharjah  
Ajman  
Ras Al Khaimah  
Al Sawan  
Al Nahda