

Basic VQA Property Test Case



Is the soccer player that is to the left of the ball female or male?

```
def execute_test(image):  
    result = execute_command(image)  
    # Test case 1  
    assert result in ['female', 'male'],  
        "Expected output to be female or male"  
    return result
```

Advanced VQA Property Test Case



What kind of cuisine is this?

```
def execute_test(image):  
    result = execute_command(image)  
    # Test case 1  
    assert isinstance(result, str),  
        "Expected output to be string"  
    # Test case 2  
    assert len(result.split()) in [1,2],  
        "Expected output to be one or two words"  
    # Test case 3  
    assert llm_query(f"Is {result} a type of cuisine?",  
        long_answer=False) == 'yes',  
        "Expected output to be a type of cuisine"  
    return result
```

Visual Grounding Property Test Case



The player facing right with hand up

```
def execute_test(image):  
    result = execute_command(image)  
    # Test case 1  
    assert 'yes' in result.simple_query(  
        "Is there a player?", lower(),  
        "Expected output to have a player"  
    )  
    # Test case 2  
    assert bool_to_yn(result.verify_property(  
        "player", "facing right")),  
        "Expected output to have a player facing right"  
    )  
    # Test case 3  
    assert bool_to_yn(result.verify_property(  
        "player", "hand up")),  
        "Expected output to have a player with hand up"  
    )  
    return result
```