

Why are controllers testable artifacts?

Controller classes instances can be tested easily using MockMvc. It allows you to make calls of the required type to the controller and assert the response and other parameters.

org.springframework.test.web.servlet

Class MockMvc

java.lang.Object
org.springframework.test.web.servlet.MockMvc

public final class **MockMvc**
extends [Object](#)

Main entry point for server-side Spring MVC test support.

Example

```
import static org.springframework.test.web.servlet.request.MockMvcRequestBuilder.*;
import static org.springframework.test.web.servlet.result.MockMvcResultMatchers.*;
import static org.springframework.test.web.servlet.setup.MockMvcBuilders.*;

// ...

WebApplicationContext wac = ...;

MockMvc mockMvc = webAppContextSetup(wac).build();

mockMvc.perform(get("/form"))
    .andExpect(status().isOk())
    .andExpect(content().contentType("text/html"))
    .andExpect(forwardedUrl("/WEB-INF/layouts/main.jsp"));
```

Since:
3.2

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Method Summary

All Methods	Instance Methods	Concrete Methods
Modifier and Type	Method and Description	
ResultActions	perform (RequestBuilder requestBuilder)	Perform a request and return a type that allows chaining further actions, such as asserting expectations, on the result.

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString,  
wait, wait, wait
```

Method Detail

perform

```
public ResultActions perform(RequestBuilder requestBuilder)  
    throws Exception
```

Perform a request and return a type that allows chaining further actions, such as asserting expectations, on the result.

Parameters:

requestBuilder - used to prepare the request to execute; see static factory methods in [MockMvcRequestBuilders](#)

Returns:

an instance of [ResultActions](#); never null

Throws:

[Exception](#)

See Also:

[MockMvcRequestBuilders](#), [MockMvcResultMatchers](#)

Spring Framework

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