

# Testing Results

## 1. R1

```
1 package uk.ac.ed.acp.cw2.systemCW2;
2
3 import com.fasterxml.jackson.databind.ObjectMapper;
4 import org.junit.jupiter.api.BeforeEach;
5 import org.junit.jupiter.api.Test;
6 import org.springframework.beans.factory.annotation.Autowired;
7 import org.springframework.boot.test.autoconfigure.web.servlet.AutoConfigureMockMvc;
8 import org.springframework.boot.test.context.SpringBootTest;
9 import org.springframework.boot.test.context.TestConfiguration;
10 import org.springframework.context.annotation.Bean;
11 import org.springframework.context.annotation.Primary;
12 import org.springframework.http.MediaType;
13 import org.springframework.test.web.servlet.MockMvc;
14 import org.springframework.web.client.RestTemplate;
15 import uk.ac.ed.acp.cw2.data.*;
16 import uk.ac.ed.acp.cw2.service.DataFetchServiceImpl;
17
18 import java.util.ArrayList;
19
20 import static org.mockito.ArgumentMatchers.anyString;
21 import static org.mockito.ArgumentMatchers.eq;
22 import static org.mockito.Mockito.mock;
23 import static org.mockito.Mockito.when;
```

Run R1Tests

Test	Duration
P1Test()	139 ms
P2Test()	76 ms
P3Test()	122 ms
P4Test()	23 ms
P5Test()	35 ms

5 tests passed 5 tests total, 395 ms

15:46:03.936 [main] INFO org.springframework.boot.test.context.SpringBootTest

## 2. R2

```
1 package uk.ac.ed.acp.cw2.systemCW2;
2
3 import com.fasterxml.jackson.databind.ObjectMapper;
4 import org.junit.jupiter.api.BeforeEach;
5 import org.junit.jupiter.api.Test;
6 import org.springframework.beans.factory.annotation.Autowired;
7 import org.springframework.boot.test.autoconfigure.web.servlet.AutoConfigureMockMvc;
8 import org.springframework.boot.test.context.SpringBootTest;
9 import org.springframework.boot.test.context.TestConfiguration;
10 import org.springframework.context.annotation.Bean;
11 import org.springframework.context.annotation.Primary;
12 import org.springframework.http.MediaType;
13 import org.springframework.test.web.servlet.MockMvc;
14 import org.springframework.web.client.RestTemplate;
15 import uk.ac.ed.acp.cw2.data.*;
16 import uk.ac.ed.acp.cw2.service.DataFetchServiceImpl;
17
18 import java.io.File;
19 import java.util.ArrayList;
20
21 import static org.mockito.ArgumentMatchers.anyString;
22 import static org.mockito.ArgumentMatchers.eq;
23 import static org.mockito.Mockito.mock;
```

Run R2Tests

Test	Duration
P1Test()	139 ms
P2Test()	46 ms
P3Test()	403 ms
P4Test()	370 ms
P5Test()	3 sec 28 ms

5 tests passed 5 tests total, 3 sec 986 ms

15:48:25.885 [main] INFO org.springframework.boot.test.context.SpringBootTest

## 3. R3

