

## Consuming RESTful Web Services

MainController.java:

```
package com.ecommerce.controllers;

import org.springframework.stereotype.Controller;
import org.springframework.web.bind.annotation.RequestMapping;
import org.springframework.web.bind.annotation.ResponseBody;
import org.springframework.web.client.RestTemplate;
import com.ecommerce.beans.Quote;

@Controller
public class MainController {

    @RequestMapping("/")
    @ResponseBody
    public String index() {

        RestTemplate restTemplate = new RestTemplate();

        Quote quote = restTemplate.getForObject(
            "https://gistcdn.github.com/ayanb/ff0441b5a8d6c489b58659ffb849aff4/raw/e1c5ca10f7bea57edd793c4189ea8339de534b45/response.json",
            Quote.class);

        return quote.toString();
    }
}
```

Quote.java:

```
package com.ecommerce.beans;

import com.fasterxml.jackson.annotation.JsonIgnoreProperties;

@JsonIgnoreProperties(ignoreUnknown = true)
public class Quote {

    private String type;
    private Value value;

    public Quote() {

    }
}
```

```

public String getType() {
    return type;
}

public void setType(String type) {
    this.type = type;
}

public Value getValue() {
    return value;
}

public void setValue(Value value) {
    this.value = value;
}

@Override
public String toString() {
    return "Quote{" + "type=" + type + "\" + ", value=" + value + "}";
}
}

```

Value.java:

```

package com.ecommerce.beans;

import com.fasterxml.jackson.annotation.JsonIgnoreProperties;

@JsonIgnoreProperties(ignoreUnknown = true)

public class Value {

    private Long id;

    private String quote;

    public Value() {

    }

    public Long getId() {

        return this.id;

    }

    public String getQuote() {

        return this.quote;
    }
}

```

```

}

public void setId(Long id) {
    this.id = id;
}

public void setQuote(String quote) {
    this.quote = quote;
}

@Override
public String toString() {
    return "Value{" + "id=" + id + ", quote='" + quote + '\'' + '}';
}
}

```

pom.xml:

```

<?xml version="1.0" encoding="UTF-8"?>
<project xmlns="http://maven.apache.org/POM/4.0.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xsi:schemaLocation="http://maven.apache.org/POM/4.0.0
        https://maven.apache.org/xsd/maven-4.0.0.xsd">
    <modelVersion>4.0.0</modelVersion>
    <parent>
        <groupId>org.springframework.boot</groupId>
        <artifactId>spring-boot-starter-parent</artifactId>
        <version>3.1.0</version>
        <relativePath/> <!-- lookup parent from repository -->
    </parent>
    <groupId>com.ecommerce</groupId>
    <artifactId>SpringRESTClient</artifactId>
    <version>0.0.1-SNAPSHOT</version>
    <name>SpringRESTClient</name>
    <description>Demo project for Spring Boot</description>
    <properties>

```

```
<java.version>17</java.version>
</properties>
<dependencies>
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-web</artifactId>
</dependency>
<dependency>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-starter-test</artifactId>
<scope>test</scope>
</dependency>
</dependencies>
<build>
<plugins>
<plugin>
<groupId>org.springframework.boot</groupId>
<artifactId>spring-boot-maven-plugin</artifactId>
</plugin>
</plugins>
</build>
</project>
```

