RestAssured Cheat Sheet

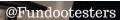
For API Testing & Automation











Static imports

In order to use REST assured effectively it's recommended to statically import methods from the following classes:

```
com.jayway.restassured.RestAssured.*;
com.jayway.restassured.matcher.RestAssuredMatchers.*;
org.hamcrest.Matchers.*;
```













Verify JSON GET Request

We're testing a simple response containing some JSON data here ..

```
• • •
Request URL: /service/funDooTesterSubscriber
Request Method: GET
Response Content-Type: application/ison
  "email":"contact@fundootesters.com",
  "firstName":"john",
  "lastName":"doe"
```













And test case be like....

```
• • •
public void testGetSingleUser() {
      "lastName", equalTo("doe"),
  String json = response.asString();
  JsonPath jp = new JsonPath(json);
  assertEquals("contact@fundootesters.com", jp.get("email"));
  assertEquals("doe", jp.get("lastName"));
```

Like 👍









Authentication

```
• • •
public void testAuthenticationWorking() {
  get("/service/secure/getSubscriber");
  get("/service/secure/getSubscriber");
```









Headers, cookies, status

```
Response response = get("/funDooTesterSubscriber");
Headers allHeaders = response.getHeaders();
String headerName = response.getHeader("headerName");
Map<String, String> allCookies = response.getCookies();
String cookieValue = response.getCookie("cookieName");
String statusLine = response.getStatusLine();
int statusCode = response.getStatusCode();
```











File Uploads

```
@Test
public void fileUploadTest() {
  File file = new File(getClass().getClassLoader()
      .getResource("fundootesters.txt").getFile());
  assertNotNull(file);
  assertTrue(file.canRead());
  given().
    multiPart(file).
  when().
  post("/file/upload");
```

Like 👍





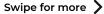




Verifying Response Data

```
• • •
expect().statusLine(containsString("some")). ...
expect().headers("headerName1", "headerValue1", "headerName2", containsString("Value2")). . .
```













Object Mapping Serialization

```
public class Message {
    private String message;
    public String getMessage() {
        return message;
    public void setMessage(String message) {
        this.message = message;
Message message = new Message();
message.setMessage("My messagee");
given().
       contentType("application/json").
when().
      post("/message");
```







Object Mapping De-Serialization

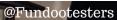
```
• • •
public class Message {
    private String message;
    public String getMessage() {
        return message;
    public void setMessage(String message) {
        this.message = message;
Message message = get("/message").as(Message.class);
```











DID YOU FIND IT HELPFUL?

LET US KNOW IN THE COMMENTS

Follow "Fun Doo Testers" for Tutorials and fun



















