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/json


//Response Body :
{
  "id":"7",
  "email":"contact@fundootesters.com",
  "firstName":"john",
  "lastName":"doe"
}
```

Like 👍   Swipe for more ❯   Share ▽

And test case be like....

```java
@Test
public void testGetSingleUser() {
  expect().
    statusCode(200).
    body(
      "email", equalTo("contact@fundootesters"),
      "firstName", equalTo("john"),
      "lastName", equalTo("doe"),
      "id", equalTo("7")).
    when().
    get("/service/funDooTesterSubscriber");
}

// Using Json Path

@Test
public void testGetSingleUserProgrammatic() {
  Response response = get("/service/funDooTesterSubscriber");
  assertEquals(200, response.getStatusCode());
  String json = response.asString();
  JsonPath jp = new JsonPath(json);
  assertEquals("contact@fundootesters.com", jp.get("email"));
  assertEquals("john", jp.get("firstName"));
  assertEquals("doe", jp.get("lastName"));
  assertEquals("7", jp.get("id"));
}
```

Like 👍   Swipe for more ❯   Share ⊿

Authentication

```java
@Test
public void testAuthenticationWorking() {
    // Without Authentication, service returns "401 Unauthorized"
    expect().
        statusCode(401).
    when().
    get("/service/secure/getSubscriber");

    // with authentication it is working
    expect().
        statusCode(200).
    when().
        with().
            authentication().basic("admin", "password").
    get("/service/secure/getSubscriber");
}
```

Headers, cookies, status

```java
Response response = get("/funDooTesterSubscriber");

// Get all headers
Headers allHeaders = response.getHeaders();
// Get a single header value:
String headerName = response.getHeader("headerName");

// Get all cookies as simple name-value pairs
Map<String, String> allCookies = response.getCookies();
// Get a single cookie value:
String cookieValue = response.getCookie("cookieName");

// Get status line
String statusLine = response.getStatusLine();
// Get status code
int statusCode = response.getStatusCode();
```

File Uploads

```java
@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");
}
```

Verifying Response Data

```
//Cookies
expect().cookie("cookieName", "cookieValue"). ..
expect().cookies("cookieName1", "cookieValue1", "cookieName2", "cookieValue2"). ..
expect().cookies("cookieName1", "cookieValue1", "cookieName2", containsString("Value2")). ..

//Status
expect().statusCode(200). ..
expect().statusLine("something"). ..
expect().statusLine(containsString("some")). ..

//Headers
expect().header("headerName", "headerValue"). ..
expect().headers("headerName1", "headerValue1", "headerName2", "headerValue2"). ..
expect().headers("headerName1", "headerValue1", "headerName2", containsString("Value2")). ..

//Content-Type
expect().contentType(ContentType.JSON)...
```

Object Mapping Serialization

```java
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").
        body(message).
when().
        post("/message");
```

Object Mapping De-Serialization

```java
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);
```

Like 👍   Swipe for more ❯   Share ▽

DID YOU FIND IT HELPFUL?

LET US KNOW IN THE COMMENTS

Follow "**Fun Doo Testers**" for Tutorials and fun