DataArt

QA Automation
HTTP. Page Object

New York USA
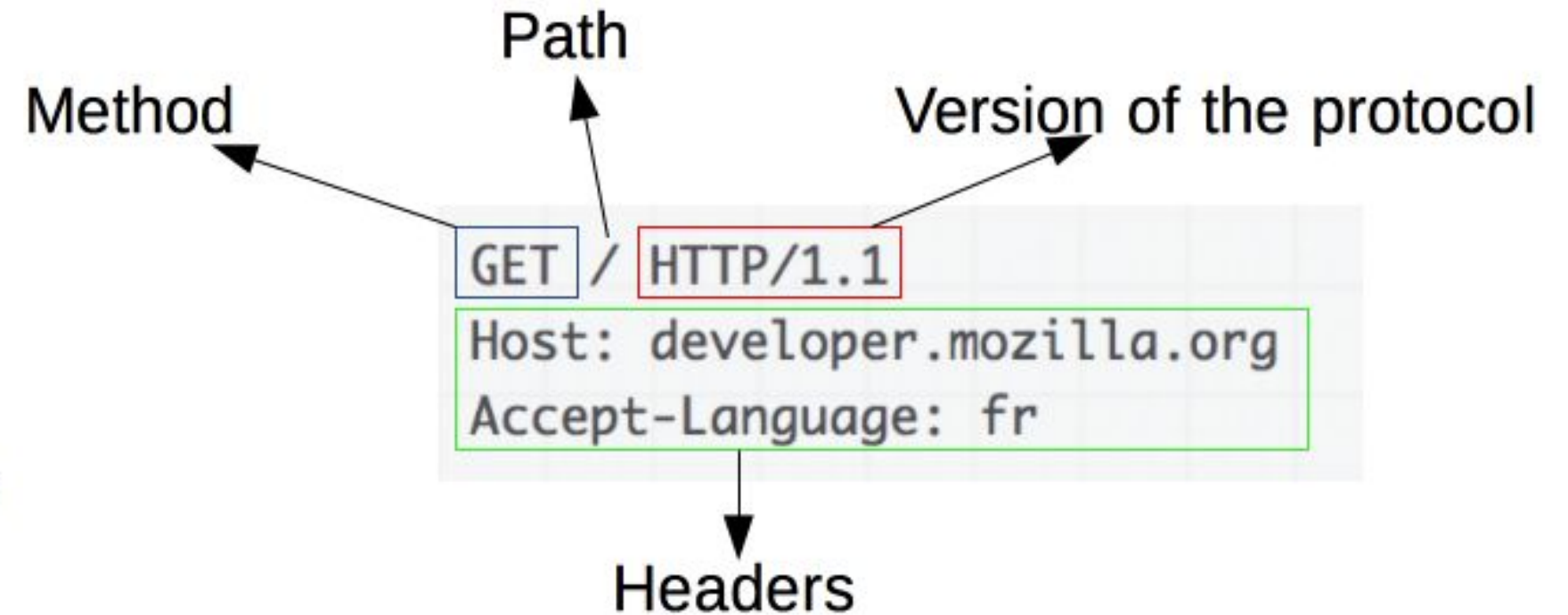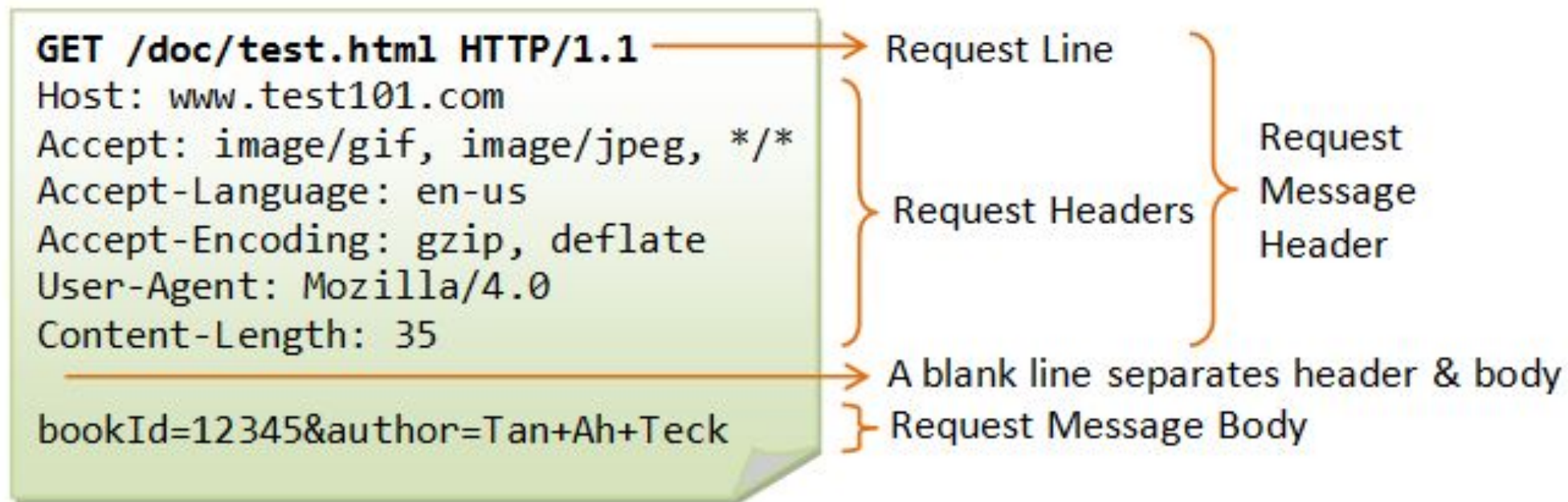London UK
Munich Germany
Zug Switzerland

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HTTP

HTTP

The Hypertext Transfer Protocol (HTTP) is an application layer protocol for distributed, collaborative, hypermedia information systems.[1] HTTP is the foundation of data communication for the World Wide Web, where hypertext documents include hyperlinks to other resources that the user can easily access, for example by a mouse click or by tapping the screen in a web browser.

HTTP Request

```
GET /doc/test.html HTTP/1.1 ——→ Request Line
Host: www.test101.com
Accept: image/gif, image/jpeg, */*
Accept-Language: en-us
Accept-Encoding: gzip, deflate      Request Headers
User-Agent: Mozilla/4.0
Content-Length: 35
                            ——→ A blank line separates header & body
bookId=12345&author=Tan+Ah+Teck    Request Message Body
```

Request Message Header

Method   Path   Version of the protocol

```
GET / HTTP/1.1
Host: developer.mozilla.org
Accept-Language: fr
```

Headers

4

HTTP Statuses

Page Object

Page Object

Page Object Model (POM) is a design pattern, popularly used in test automation that creates Object Repository for web UI elements. The advantage of the model is that it reduces code duplication and improves test maintenance.

PageObject

Logic	Code
Test Suites	Test Classes
Test Cases	@Test
Preconditions	@BeforeMethod
Steps	Java methods
Expected Results	TestNG Assertions
Postconditions	@AfterMethod

Actions	Code
Browser	Framework/Utils
Pages	Page Classes
Elements	Objects (WebElement)
Actions	Java methods

DEMO

Home task

Page Object

Task #1:

Open url http://testingchallenges.thetestingmap.org/index.php and make 8 padifferent types of verifications for First Name field. Make sure counter "Checks found" has value 8.

Those 8 values should be stored as array or java collection in code. For each value you should make verification.

Task #2:

Navigate to Challenge #10, create user and check user is created and you can login with this user (link to login you can find in description)

Task #3 (Optional):

Automate task from Challenge#4. All test data should be generated in test, not hardcoded.

NOTE: Use Page Object!