



# QA Automation

## HTTP. Page Object

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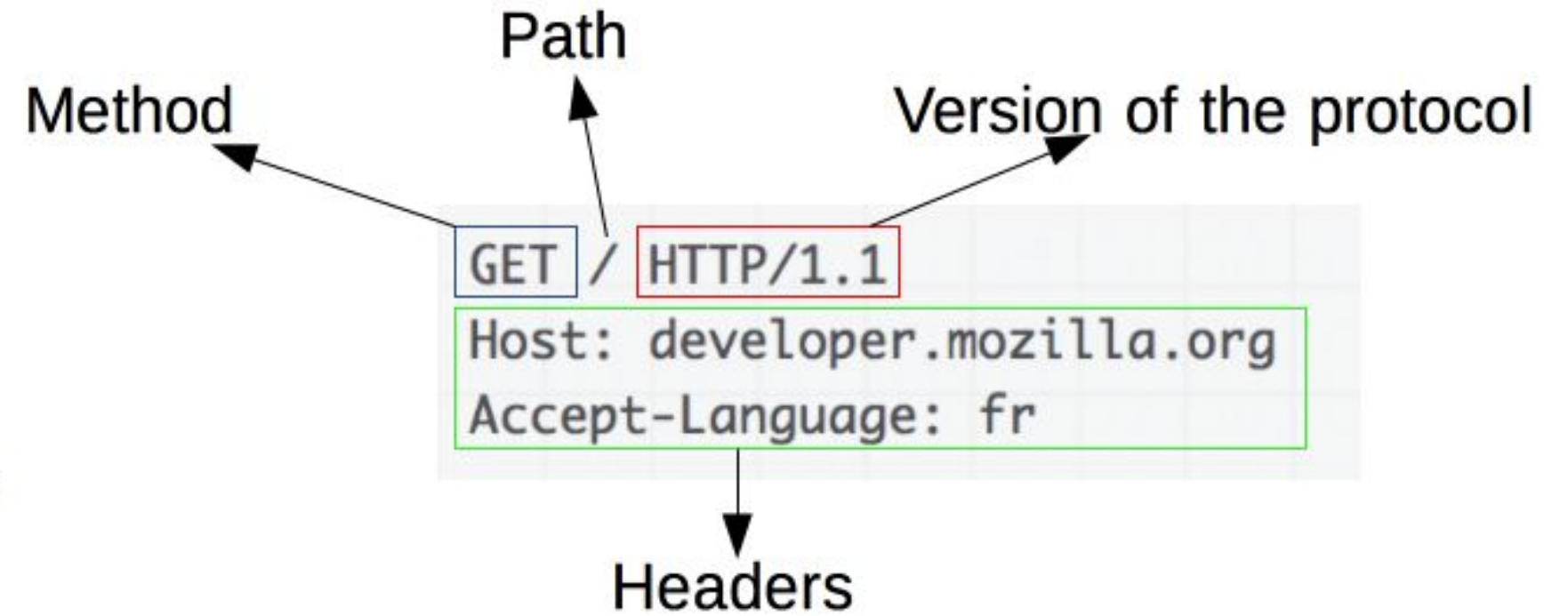
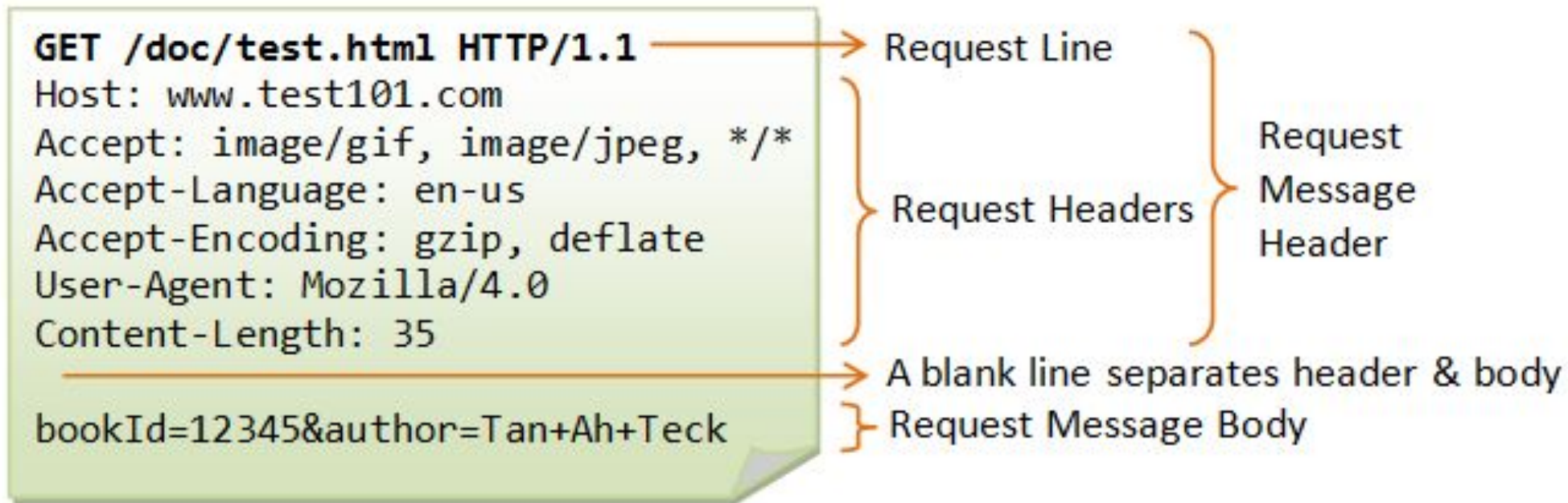


# HTTP

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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



## HTTP Status Codes



Page Object

# Page Object

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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

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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



# Page Object

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## 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!