

INIȚIERE ÎN TEST AUTOMATION: REST API & UI

Durată curs: 14 cursuri x 3 ore

Programă:

Curs 1: Introduction to Java Programming. Your first "Hello world!"

- Introduction in Java Programming
- Nhat is Java?
- My first program: "Hello world!"
- Add comments
- Basic data types
- Strings
- Operators
- Types of errors

Curs 2: Control Flow Statements

- Control Flow Statements
- The if-then and if-then-else Statements
- The switch Statement
- The while and do-while Statements
- The for Statement
- Arrays

Curs 3: What is an Object, What is a Class, Access Modifiers

- What is an Object?
- Nhat is a Class?
- Access Modifiers
- OOP Concepts Inheritance

Curs 4: What is an interface? OOP Concepts

- What is an interface?
- OOP Concepts Encapsulation
- OOP Concepts Polymorphism
- OOP Concepts Abstraction



- 🖲 Lists
- 🖲 Maps
- The Try-Catch-Finale Blocks

Curs 5: What is Maven? TestNG framework

- What is Maven?
- TestNG framework
- Maven plugins
- Automating our first tests scenarios
- 🗷 Using Log4J

Curs 6: What is REST? HTTP and REST

- Mhat is REST?
- HTTP and REST
- Components of HTTP Request and Response
- HTTP methods supported by REST
- HTTP Status Codes
- Dunderstanding a URL Structure and Query Parameters
- HTTP Headers
- Resources in REST JSON Format
- What is REST API Testing?
- Why to Automate the API Testing?

Curs 7: Using our dedicated API

- Using our dedicated API
- Basic Access Authentication
- **Using Postman for REST API Testing**
- Sending first requests
- Collections
- Test Scripts
- **Validations**
- Environment Variables

Curs 8: Test automation with Java and Rest-Assured

- Test automation with Java and Rest-Assured
- Setting up your project
- Automating out first test scenarios with Rest-Assured
- Testing status code
- Testing media type
- Testing error messages
- Debugging



Curs 9: Test automation with Java and Rest-Assured deep-dive

- Test automation with Java and Rest-Assured Continue
- Create POJO
- JSON Payload validation
- Finding bugs
- E Learn how to manage defects
- Practice

Curs 10: Why Automate the GUI?

- Why to Automate the GUI?
- The What is Selenium? What are the advantages of Selenium?
- Introduction to IDE, RC WebDriver & Grid
- Configuring Selenium and Running on all supported browsers
- Object Mapping basic elements
- Basic Methods of Web Driver WebElement Commands
- Automating out first test scenarios with Selenium

Curs 11: What is Selenium? What are the advantages of Selenium?

- Object Mapping advanced elements
- Screenshot on failed tests
- A How to use Expected Conditions with Waits
- Concept of Explicit/Implicit Wait in Selenium
- A WebDriverWait and its uses
- Different WaitUntil Conditions
- **Ways to handle Simple, Confirmation & Prompt Alert**
- Switching & Closing Windows, Tabs & PopUps
- Concept of window ID

Curs 12: Object Mapping – advanced elements

- Dutting them all together Automate test scenarios
- Curs 13-14: Final Exa
- A Practical application of end to end automation flows