

Programa Testare Automată

Wantsome - The friendly IT Academy

1. Automation intro, concepts

- What is test automation
- What type of testing best suits your need
- When you need test automation
- Automation makes things easy
- Test automation process
- Tools overview

2. Web testing, native testing, mobile testing

- Mobile vs web-based application testing
- Native vs hybrid applications
- Testing types&approach
- Web service introduction
- Real devices vs emulators

3. Java basics

- OOP principles
- Java basics and standards
- Classes and objects
- Collections
- Advanced concepts
- Exercises

4. Environment setup

- Development tools
- Maven - build manager
- Git - version control
- IntelliJ - development environment
- JUnit Test Framework
- Hamcrest assertions

5. Backend & API testing

- UI vs Backend

- Backend testing approach
- API testing approach
- REST vs SOAP
- Database testing
- Test tools

6. RestAssured DSL library example

- Domain specific language
- RESTful services
- RestAssured introduction
- Json vs XML
- Request & response analysis

7. Selenium introduction

- Selenium IDE
- Selenium components
- WebDriver overview

8. Selenium - Navigation

- Navigation commands
- Practical examples

9. Selenium - Interrogation

- Interrogation commands
- Practical examples

10. Locators: ID, CSS, Xpath

- Locators overview
- Single vs multiple elements
- Practical examples

11. Selenium - Manipulation

- Manipulation commands
- Practical examples

12. Selenium - User interaction

- Keyboard interactions
- Mouse interactions
- Practical examples

13. Advanced Selenium

- Alerts
- Frames
- Cookies
- Javascript

14. Test Automation patterns 1: Page Objects

- Page object modelling
- PageFactory
- Advantages

15. Test Automation patterns 2: Data driven

- Data Driven Framework overview
- Data Driven Framework approach
- Why use it

16. Test Automation patterns 3: Hybrid

- Hybrid Driven Framework overview
- Hybrid Driven Framework approach
- Why use it

17. Serenity reporting

- Serenity overview
- Test report features

18. Recapitularea intregului proces si aplicarea tuturor cunostintelor asimilate

- Process overview
- Automation test project planning

19. Simularea unui proiect cap - coada

- Test project developed from scratch
- Make use of learned tools and concepts
- Project architecture tips & tricks
- HTML report & screenshots & logging
- Jenkins - Continuous Integration

20. Simularea interviurilor si soft skills

- Why soft skills matter
- Technical knowledge coverage
- What kind of interview questions should you expect
- Interview simulation