INTEGRATION OF AN AUTOMATED SOFTWARE TESTING SOLUTION
FROM FUNCTIONAL TO PERFORMANCE TESTS

Presented by Alexia STEFANELLY and Maxime GOANVIC

BANQUE Casino

ABOUT US

- Alexia STEFANELLY

  Head of the testing team at Banque Casino

- Maxime GOANVIC

  Automated test consultant at Banque Casino

IMPLEMENT AN AUTOMATED SOFTWARE TESTING SOLUTION THAT PERFECTLY MEETS YOUR FUNCTIONNAL TESTING NEEDS
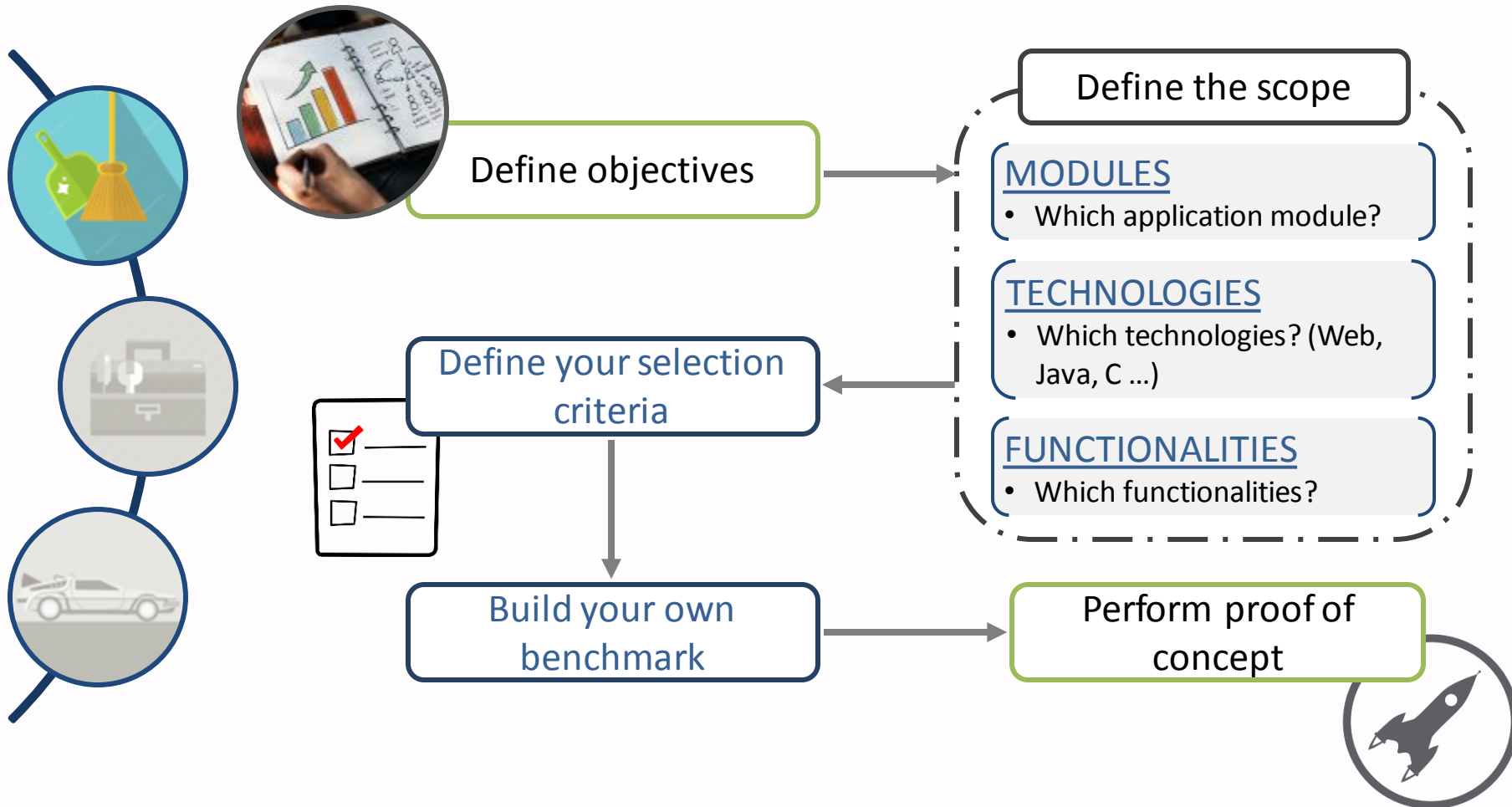
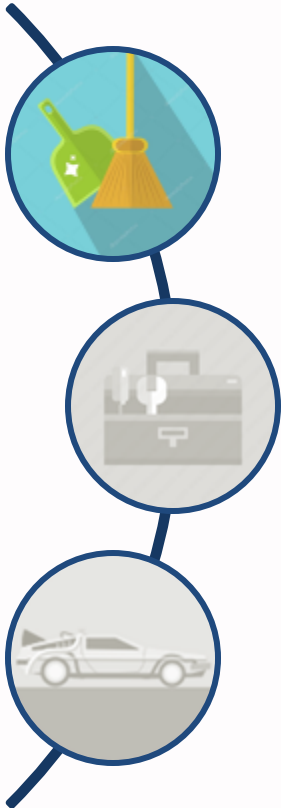Finding the right tools

Implementing the solution

Developping perspectives

User Conference on Advanced Automated Testing

FINDING THE RIGHT TOOLS

Define objectives

Define the scope

MODULES
- Which application module?

TECHNOLOGIES
- Which technologies? (Web, Java, C …)

FUNCTIONALITIES
- Which functionalities?

Define your selection criteria

Build your own benchmark

Perform proof of concept

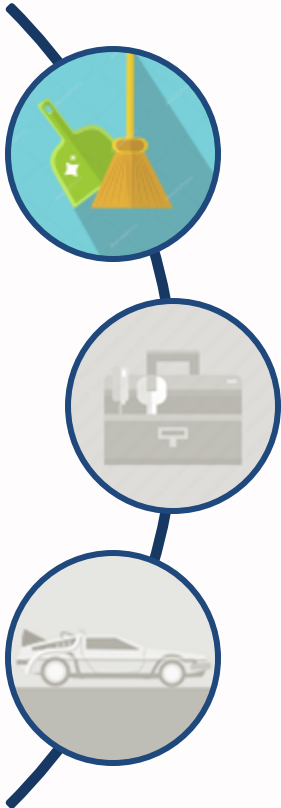# FINDING THE RIGHT TOOLS

- Asking the right questions

  ✓ What kind of environment?
  ✓ For which use?
  ✓ What solutions exist?
  ✓ What are your expectations?

FINDING THE RIGHT TOOLS

- Pay attention to the criteria that you think are important

EASE OF HANDLING
- Technical accesibility?

SUPPORTED TECHNO.
- Web/Desktop
- Mobility
- API

TECHNICAL SUPPORT
- Support availability
- Active community

DEPLOYMENT COSTS
- License costs
- Technical prerequisites

CONTINUOUS INTEG.
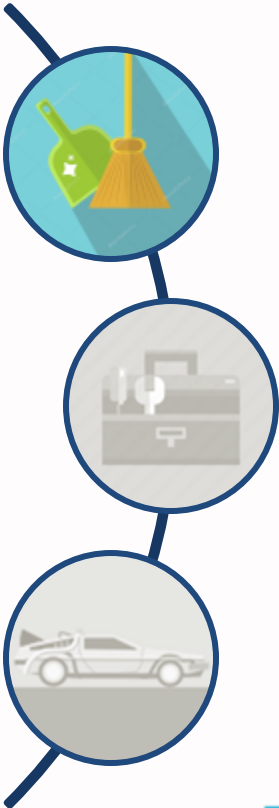- Fits into a continuous integration environment

REPORTING
- Reporting format

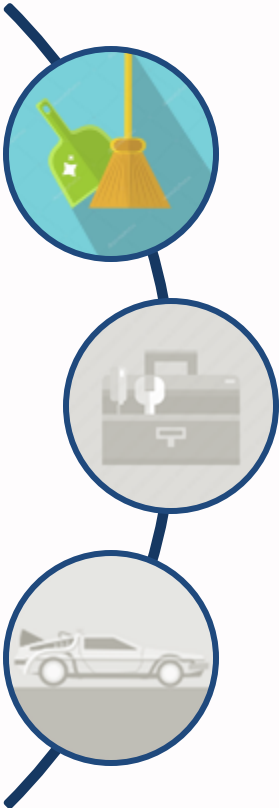### MAINTENANCE COSTS
- Legacy maintenability

FINDING THE RIGHT TOOLS

- Challenge the market solutions
  - ✓ Handle solutions
  - ✓ Observe the strengths and weaknesses of each
  - ✓ Pay attention to your feelings

FINDING THE RIGHT TOOLS

- Application in Banque Casino
  - ✓ Non-technical team
  - ✓ Highly constraints technical environment
  - ✓ Complexity of the system

According to our criteria, we have selected

AGILITEST
A.I. FOR AUTOMATION TESTING TOOLS

8

IMPLEMENTING THE SOLUTION

- On a limited perimeter

  ➔ implementation of a POC

- Find the feature that:
  - ✓ Plays a major role in an application
  - ✓ Processes high volumes of data
  - ✓ Executes common processes
  - ✓ Can be used on a range of applications

WHAT WE DID

Non-regression tests
- ✓ Weekly testing campaign
- ✓ 1 day of charge
- ✓ 3 Testers
- ✓ Manual testing
- ✓ Web and mobile functionnal tests

BANQUE Casino

IMPLEMENTING THE SOLUTION

- ## Synchronize your tools
  - ○ Test management software
  - ○ Testing tools
  - ○ Connectors for reporting and monitoring

Optimize your tools to obtain a solution that suits you

User Conference on
Advanced Automated Testing

IMPLEMENTING THE SOLUTION

- ## Calculate the ROI

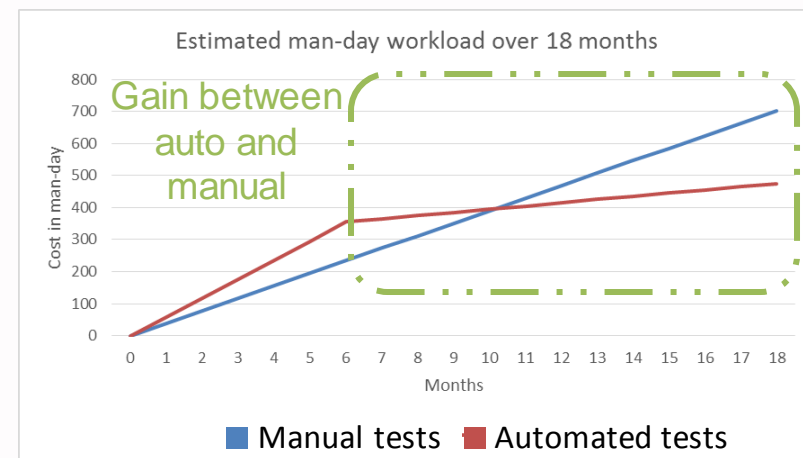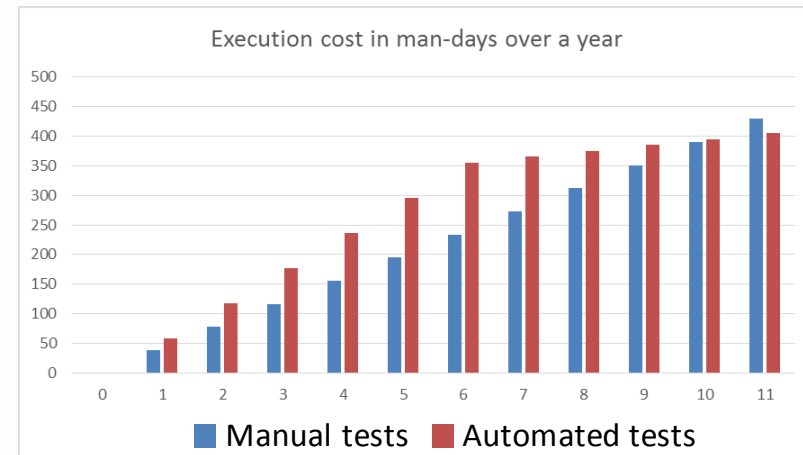### IMPLEMENTATION COSTS
- Design case
- Writing

EXECUTION COSTS
- Execution
- Analysis
- Bugs

MAINTENANCE
- Legacy maintenance

GAIN
- Workload
- Scope extension
- Resource liberation

Execution cost in man-days over a year

Legend: ■ Manual tests ■ Automated tests

Estimated man-day workload over 18 months

Gain between auto and manual

Cost in man-day / Months

Legend: ■ Manual tests ■ Automated tests

BANQUE Casino

IMPLEMENTING THE SOLUTION

DEVICES

AGILITEST
- Functional tests
- Conception and execution
- Web & API

70% of non-regression tests

SCENARIOS

NeoLoad

NEOLOAD
- Load testing
- Web & API

Performance tests for new products

Change in organization and mindset

IMPLEMENTING THE SOLUTION

- 3 times more tests
- Standardization of controls

Improvement

- Integration in Agile management

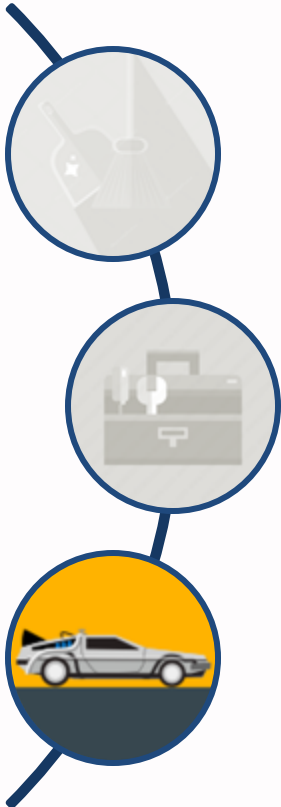**Organization**

- Web multi-chanel
- API

Technologies

BANQUE Casino

DEVELOPPING PERSPECTIVES

MULTI-CHANNEL
- Test optimization
- Extension of test coverage
- Desktop, tablets, mobiles

CONTINOUS INTEGRATION
- Environment for continuous delivery
- Continuous testing

LOAD TESTING
- Quality through performance
- Reactivity of the system
- System limits

User Conference on Advanced Automated Testing

WHAT TO REMEMBER?

Have the right tools

Customize your tools

Develop your strategy

BANQUE Casino

7th
UCAAT
User Conference on
Advanced Automated Testing

ETSI

Bordeaux, 22-24 October 2019

QUESTIONS?

Thank you for your attention