Course : ISTQB® Foundation level, Model-Based Tester (CTFL-MBT): Certification

Practical course - 2d - 14h00 - Ref. QMB
Price : 2040 CHF E.T.

Teaching objectives

At the end of the training, the participant will be able to:

- Master the concepts, vocabulary, activities and roles of Model-Based Testing
- Implement Model-Based Testing activities in a test process
- Evaluate and deploy a Model-Based Testing approach in a team or a test center
- Improve efficiency in analyzing, designing, and implementing functional and end-to-end tests

Certification

The exam is taken in the form of a 40-question multiple-choice test lasting 90 minutes (available in English or French). A minimum score of 65% correct answers is required to pass. The exam is supervised by a GASQ examiner. The certification exam takes place at the end of the training session: for classroom-based sessions, it is taken on paper or on a digital tablet; for virtual classroom sessions, the exam is taken online.

Remote certifications

See the certifier's official documentation for the list of prerequisites for completing the online certification exam.

Practical details

Exercise

Analysis exercises and test design with business workflow and state-transition models. Continuous exam preparation

Teaching methods

This course alternates between practical exercises and teaching the concepts and best practices of the Model-Based Testing approach.

Course schedule

PARTICIPANTS

PREREQUISITES

TRAINER QUALIFICATIONS

The experts leading the training are specialists in the covered subjects. They have been approved by our instructional teams for both their professional knowledge and their teaching ability, for each course they teach. They have at least five to ten years of experience in their field and hold (or have held) decision-making positions in companies.

ASSESSMENT TERMS

The trainer evaluates each participant's academic progress throughout the training using multiple choice, scenarios, hands-on work and more.
Participants also complete a placement test before and after the course to measure the skills they've developed.

TEACHING AIDS AND TECHNICAL RESOURCES

- The main teaching aids and instructional methods used in the training are audiovisual aids, documentation and course material, hands-on application exercises and corrected exercises for practical training courses, case studies and coverage of real cases for training seminars.
- At the end of each course or seminar, ORSYS provides participants with a course evaluation questionnaire that is analysed by our instructional teams.
- A check-in sheet for each half-day of attendance is provided at the end of the training, along with a course completion certificate if the trainee attended the entire session.

TERMS AND DEADLINES

1 Objectives and motivations of Model-Based Testing (MBT)

- Why introduce MBT into a test process?
- What are the pitfalls to avoid?
- How does MBT fit into Agile and phased development processes?
- Relationship with requirements engineering.

Role-playing
You are integrating MBT in your testing process; what will change? MCQ preparation for the test.

2 Model-Based Testing activities and products

- Main activities of modeling, test generation and adaptation.
- Input and output elements of a test process with MBT.
- Link to test analysis, design, and implementation activities.

Exercise
Exam prep multiple-choice questions on MBT activities and deliverables.

3 Modeling for test design

- How to model for testing.
- Families of modeling languages used for MBT.
- Best practices of MBT modeling.
- When to reuse the models from the requirements analysis phase.

Hands-on work
MBT modeling. MCQ preparation for the test.

4 Test generation

- Different families of test coverage criteria.
- Implement coverage criteria and test generation.
- Best practices of test generation.

Hands-on work
Generate tests from models. MCQ preparation for the test.

5 Implementing and executing tests with MBT

- Switching from test generation to manual or automated execution.
- Documenting tests and publishing them in the repository.
- Best practices of test adaptation.

Hands-on work
Modify an MBT model to take into account changes in requirements. MCQ preparation for the test.

6 Evaluation and deployment of an MBT approach

- How to measure the progress of a project with MBT.
- Different categories of tools used for MBT.

Exam
Reviews and certification exam.

Registration must be completed 24 hours before the start of the training.

ACCESSIBILITY FOR PEOPLE WITH DISABILITIES
Do you need special accessibility accommodations? Contact Mrs. Fosse, Disability Manager, at psh-accueil@orsys.fr to review your request and its feasibility.

Dates and locations

REMOTE CLASS
2026 : 2 Apr., 2 Apr., 21 May, 21 May, 15 Oct.,
15 Oct., 10 Dec., 10 Dec.