



# Effective Use Case Writing and UC Based Acceptance Testing One Day

## 1. Introduction

Use cases are a very common tool for capturing functional requirements. But what is a use case? Are they just another way to describe a function or feature of the system or something else? Are use cases relevant in Agile projects and can they be used in conjunction with a product back log? How should use cases be described? How do you build the use case model? Can use cases be used as a foundation for test case definition and if yes for which tests and how?

These and other questions will be tackled in this one day seminar. Participants will get the required background on how to build and describe a use case model for specifying functional requirements and how to efficiently define acceptance tests based on them.

## 2. Seminar Description

This seminar is an introduction to effective requirements capture, requirements management and requirements based test case definition. This seminar first provides an overview on modern SW Engineering practices and how they affect the process of requirements capture. Then we will focus on how to build a use case model, effectively describe the use cases and how to manage the requirements. Finally you will learn how to use the use cases to effectively define acceptance test cases. This seminar is composed of two major parts.

1. Part one provides engineers and testers the required knowledge on how to capture, effectively describe, manage and trace requirements using use case models.
2. Part 2 presents a technique for efficiently defining acceptance tests based on the use case based functional requirements specification.

During the seminar, the participants will study example use cases and exercise the techniques of use case based requirements capture and acceptance test definition.

## 3. Goals

For Engineers

- Learn how to effectively build & describe use case models and use cases

For Testers

- To learn how to provide feedback to engineers on the use cases and how to effectively define system test cases.

## 4. Participants

This seminar is meant for testers, system engineers, system analysts or any other person involved in writing requirements or test procedures.

## 5. Pre-requisites

Participants must have an understanding of the basic concepts of requirements specifications, requirements management and testing.



## Syllabus

### 1. Introduction modern SW Engineering Practices.

- The system development eco-system
- Development processes
- Key disciplines (Requirements, Analysis and Design)

### 2. Requirements Capture

- Overview on the requirements capture process
- Vision and Charter
- Domain Model
- Capturing Functional Requirements through a use case model
  - How to build the use case model
  - How do describe use cases and actors
- Capturing supplementary requirements

### 3. Requirements Management

- Goals of requirements management and what is being managed

### 4. How to extend use cases to fit them for acceptance testing?

- Extension Process
  - Identify operational variables
  - Define domains of the variables
  - Develop the operational relations
  - Develop the test cases
  - Run the test cases
- UC Test Pattern Elements
  - Operational variables.
  - Variable Domains
  - Variable Relations

ACTL  
SYSTEMS



## טופס הרשמה לסמינר

<b>Effective UC writing &amp; UC based Acceptance Testing</b>	
28.05.2018	<b>מתי:</b>
9:00-17:00	<b>שעות:</b>
אזור תל אביב המקום הסופי יתואם לפי המשתתפים	<b>מקום:</b>
800 ₪ 1500 ₪ 700 ₪	<b>מחירים: למשתתף 1: לשני משתתפים: לכל משתתף נוסף:</b>

ברצוני לרשום לסמינר "Effective UC writing & UC based acceptance testing" שמתקיים בתאריך:  
28/05/2018 את:

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סך ההתחייבות הינה: \_\_\_\_\_ ₪

\_\_\_\_\_ תפקיד

\_\_\_\_\_ איש קשר:

\_\_\_\_\_ שם חברה:

\_\_\_\_\_ כתובת

\_\_\_\_\_ מספרי טלפון \_\_\_\_\_ מספר פקס

\_\_\_\_\_ כתובת E mail

### הערה:

הרשמה מהווה אישור על השתתפות. ביטולים 7 ימים לפני ההדרכה ועד תחילתה יחויב ב-50% ממחיר ההדרכה.

אי השתתפות ללא ביטול תגרור תשלום מלא. איחור בתשלום יחויב בהפרשי ריבית והצמדה.

ACTL רשאית שלא לקיים את ההדרכה מכל סיבה. במקרא כזה יודיע ACTL על אי קיום עד יומיים לפני תחילת ההדרכה.

אנו חברים \_\_\_\_\_ ח.פ. \_\_\_\_\_ מתחייבים לשלם סך של

\_\_\_\_\_ ₪ + מע"מ לחברת ACTL Systems Ltd. תוך 30 יום מתחילת ההדרכה.

שם \_\_\_\_\_ תפקיד \_\_\_\_\_ חתימה \_\_\_\_\_ חותמת \_\_\_\_\_

(החותם מצהיר כי הוא יכול להתחייב בשם החברה, חתימתו מחייבת את החברה לכל דבר)