Test Case Scenarios Methodology

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Abstract
The Universal Business Language (UBL) is a new standard describing the content of XML documents. The purpose of UBL is to standardize common business documents. UBL defines a library of documents making up process “sourcing-to-payment”. In this article, there are Test Case Scenarios created for the project ABILITIES (Application Bus for Interoperability In enlarged Europe SMEs, FP6/2004/IST/4).

Keywords: Universal Business Language (UBL), XML, invoice-to-order, Test Case

1. Introduction
The basic goal of our project ABILITIES is to study, design and develop a federated architecture implemented by a set of intelligent and adaptive UBL active messages (an Application Bus for EAI) and basic interoperability services, which aims at supporting SMEs EAI in e-commerce contexts, specifically in less developed Countries and less RTD intensive industrial sectors.
In project we have 5 test-beds areas whose goal is Testing and Validation of the addressed technologies in real-life SMEs-driven business scenarios located in New Member States – all scenarios led by business incubators or multipliers – potential application to districts.
- Collaborative business and co-operative work scenarios for small entrepreneurs (Retail) in Lithuania
- Business process development and interconnection for High-Tech SMEs in Slovakia
- Mobile and ubiquitous work support in multi-customer distribution Agro-food SMEs networks in Turkey;
- XML-based interactive and adaptive e-business Document exchange (MODA-ML) for the wood industry SMEs supply chain in Romania;
- Semantic content reconciliation for Tourism SMEs in Hungary.
2. Test Bed technology

Test bed, are specific type of Case studies generated according to methodology developed by Abilities team. One of more important part of the Test bed methodology is the section dealing with Test cases’ scenarios. The contribution will be oriented on issues connected with Test case scenarios developed from Test bed area “High-Tech SMEs”.

3. Test Case Scenarios

Development, implementation, delivery and maintenance of control and information systems are core activities of the company, which creates base for our Test Case description. Development teams of the company work on client's projects autonomously or as a part of an existing team. They create IT architecture on the base of analysis, research and data from our customer. Company provides activities within the complete system (IT solution/ IT project) life-cycle.

The first part of our Test Case consists of UML models and their description. The second part involves user requirements. In this case we identify UML documents, necessary activities and we are creating new more detailed model of “Test Bed Scenarios”.

![Test Bed Model](image)

**Figure 1 : Test Bed Model**

Scenarios outgoing from basic Use Case Diagrams (see fig. 1) and set of activity diagrams (for example sourcing process presented in fig. 2). Each activity diagram belongs to one of use cases from Use Case Diagram. These scenarios are complex model customized to Abilities program solution needs.
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References