



FOST Plus



Project: UML Analysis - IT Aval project
Datum: 01/2004

Abstract

This UML Analysis project defines the functionality that must (TO-BE) be implemented for the IT Aval project of FostPlus.

Business Case

The Fost Plus IT Aval project concerns the development and deployment of multiple applications to integrate and support important parts of the daily business processes of Fost Plus.

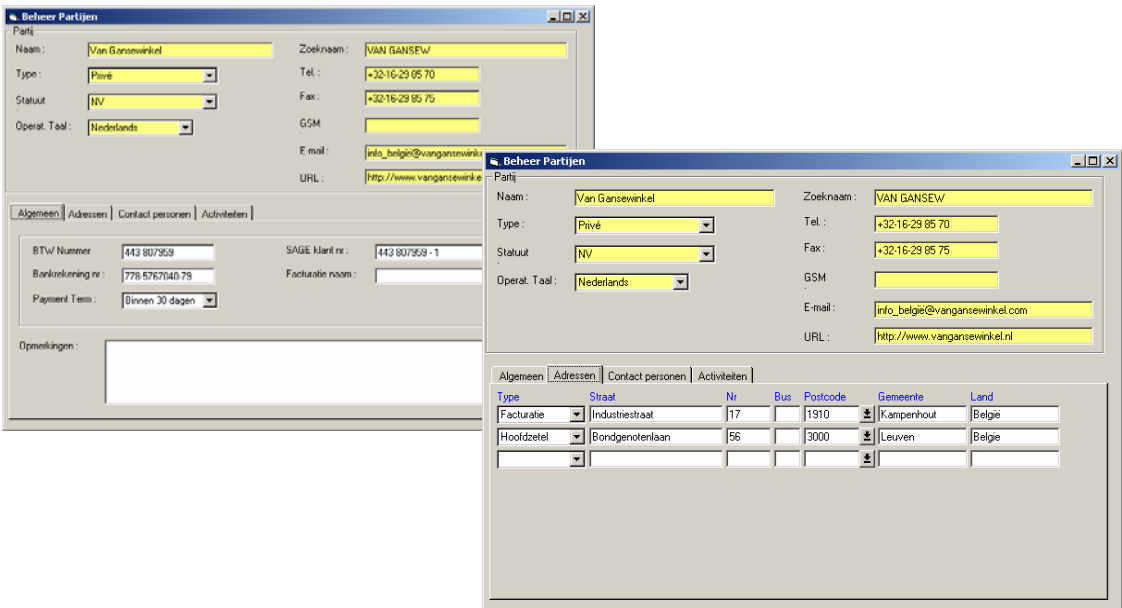
This analysis describes in detail the functional aspects as mentioned in the "Lastenboek". It will define the functional scope of the project by means of Use Cases and State Transition Diagrams.

The document was supported by an UML-model in Rational Rose 2000. This model contained all Use Cases and State Transition Diagrams implemented during this analysis.

The deliverables

•Design Screens

Included in the use-cases was also the design of the webscreens:



The screenshots show a web application interface for managing parties. The left screenshot displays a form for 'Beheer Partijen' with the following fields:

- Naam: Van Gansewinkel
- Type: Privé
- Statuut: NV
- Operat. Taal: Nederlands
- Zoeknaam: VAN GANSEW
- Tel.: +32-16-29 85 70
- Fax: +32-16-29 85 75
- GSM:
- E-mail: info_belgie@vangansewinkel.com
- URL: http://www.vangansewinkel.nl

The right screenshot shows the same form with a 'Partij' tab selected, displaying a table of party details:

Type	Straat	Nr	Bus	Postcode	Gemeente	Land
Facturatie	Industriestraat	17		1910	Kamperhout	Belgie
Hoofdzetel	Bondgenotenlaan	56		3000	Leuven	Belgie

•Methodology / Notation Format

Developing a model for an industrial-strength software system prior to its construction or renovation is as essential as having a blueprint for large building. Good models are essential for communication among project teams and to assure architectural soundness. As the complexity of systems increase, so does the importance of good modeling techniques. There are many additional factors of a project's success, but having a rigorous modeling language standard is one essential factor.

Therefore we use UML as notation format for this project.

The Unified Modeling Language™ (UML) is the industry-standard language for specifying, visualizing, constructing, and documenting the artifacts of software systems. It simplifies the complex process of software design, making a "blueprint" for construction.

•UML – The Actors

Based on the requirements, the following "human" actors were identified.

- Fost Plus Projects Administrator
- Fost Plus Technical Administrator
- (Fost Plus User) reporting
- (Internet User) reporting
- Intermunicipal authority Admin.
- Purchaser Administrator
- Sorting Center Administrator
- Intermunicipal authority User
- Purchaser User
- Collector User
- Valorisation User
- Sorting Center User

•UML – The Use Cases

Use cases are used to obtain system requirements from a user's perspective. A use case can be described as an interaction that a user has with a system to achieve a goal. It is helpful to provide a template that can be used to document use cases.

- **Tools**

For modelling we using among other software Rational Rose.
The Rational software development platform integrates software engineering best practices, tools, and services.

Rational. software

