

USoft Product Information  
URequire



## URequire Smarter Business Requirements

URequire is the tool of choice to help break down complex business requirements into comprehensible requirements quickly without sacrificing accuracy.

### **Smarter Business Requirements**

Business requirements are often complex and in the language of the business user. This makes it difficult to capture, analyze and implement the requirements correctly. Risk and time spend increases dramatically when the business language diverts from everyday language.

URequire allows the business user to specify requirements in the business language. URequire's interactive language module challenges the business user to break down complex requirements into concise, simpler, atomic requirements. Feedback on the requirements captured by URequire ensures that captured requirements are complete.

### **Benefits for the business user**

Using URequire has the following advantages for the business user.

- No double meaning; Ambiguity is detected and needs to be removed from the requirements.
- Requirements are more complete; Captured requirements that reference undefined terms are detected.
- Requirements are more concise; Complex requirements are broken down into concise, atomic requirements.
- Speak the business language; URequire learns the business language, there is no need for the user to stop using business jargon.
- Speak your mother's tongue; URequire currently understands English and Dutch.
- Easy to use; Instant, colour-coded feedback offers a clear response to the business user.
- Higher quality; Complete and concise requirements are easier to validate against business knowledge and experience.
- Faster; URequire enables the business user and analyst to gather business requirements in a faster pace.

### **Benefits for the system engineer**

Using URequire has the following advantages for the system engineer.

- Easier implementation; Concise requirements are easier to implement.
- Less bug-fixing; Complete and concise requirements lead to fewer mistakes during implementation.
- Easier to understand; Complete and concise requirements are self-defining and easier to understand than the business jargon.
- Faster to implement; Atomic, concise requirements take less time to implement.
- Cheaper maintenance. Atomic requirements can be changed faster and with less risk.

### **Building a business repository**

URequire allows the capture of how the business operates in a business repository. Specification of business facts, rules and processes in the jargon of the business is powerful and allows for uniform use of definitions across departments. A business repository, build with URequire, contains knowledge that is easy to understand, consistent and non-redundant. Interdependency can be managed and made apparent by cross-references.

### Managing software requirements

Whereas the business repository contains only information about the business, software requirements also contain information about more technical aspects.

Much like capturing business requirements URequire also allows for the capture of non-business requirements such as rules concerning screen behaviour or user interaction.

### Combining business repositories and software requirements a.k.a. the agile rule repository

Both the Object Management Group (OMG) and USoft view business repositories as computation independent models. USoft also recognizes the fact that software requirements are defined on top off business repositories.

In order to adhere to the Single Point of Definition (SPOD) principle USoft combines business repositories with software requirements, creating an agile rule repository. An agile rule repository contains everything about a business and an automated system that both the business user and system vendor have agreed upon.

### Semantics for Business Vocabulary and Rules

URequire adheres to the Semantics for Business Vocabulary and Rules (SBVR) version 1.0 standard as defined by OMG. SBVR offers a sound basis for using natural language to specify business vocabulary and rules. URequire color coding is based on SBVR guidelines.

### Statements used in URequire

Type of statement	Example
Declaration (of a term)	<u>There are</u> <u>rental agreements</u> .
Definition	<u>A rental agreement is a contract between EU-Rent and a client in which EU-Rent</u> agrees to <u>rent a physical item and the client</u> agrees to <u>pay for this rental in accordance with the terms and conditions</u> .
(Declaration of a) synonym	<u>Rental is a</u> synonym <u>of rental agreement</u> .....
(Declaration of a) category	<u>A rental agreement is a</u> <u>contract</u> .
Business rule	<u>A driver must be at least 18 years of</u> age. <u>A car may only be picked up when it is allocated to a</u> <u>rental</u> .
Advice	<u>A client may</u> pay <u>for a walk-in reservation at</u> reception desk.
System requirement	<u>In the Car Reservation screen, it must be possible to</u> cancel a reservation. <u>Users must be able to open Monthly Sales Overviews in MS Excel 2003 or</u> higher.

### **Web based solution**

URequire is available as a web based solution. This means it runs of a server and doesn't require a program to be installed in local machines. URequire can be hosted from USoft servers as a Software as a Service (SaaS) or you can install it on your own servers. The latter will require some extra work by your engineers in order to have the full benefit of a web based solution.

We prefer the SaaS solution since it offers the most benefits for the lowest price for our customers.

### **Benefits of a web based solution**

The following are some of the benefits you receive when you use URequire as a web based solution on your own servers. See the section 'Benefits of a SaaS solution' to read about the benefits available when USoft hosts URequire for you.

- No effort needed to install URequire in your desktop machines.
- Lower hardware requirements for your desktop machines.
- No requirements for your desktop operating systems. (Windows, Mac or Linux)
- You can work from any location that has access to the servers.
- Stolen or broken desktops/laptops no longer mean loss of data.

### **Benefits of a SaaS solution**

These are some of the benefits you will receive on top of the benefits that a web based solution offers. See the section 'Benefits of a web based solution' to read about the benefits a web based solution has to offer.

- Automatic backups of your data.
- Automatic upgrades and patches of the URequire software.
- Automatic scaling of server machines to guarantee performance.
- Out of the box secure data transfer.
- No need to hire engineers for installation and maintenance.