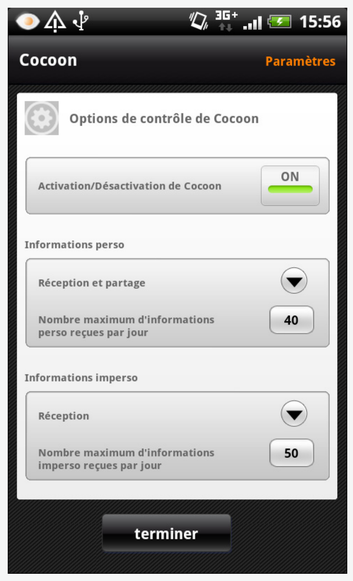
COCOON

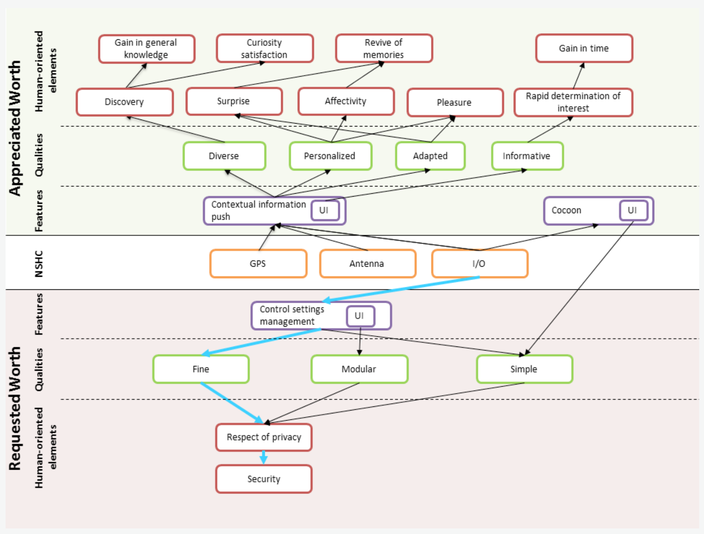
A context-aware and mobile application

The design of Cocoon was part of a PhD project which aimed at assessing the applicability of WMs in real design settings.

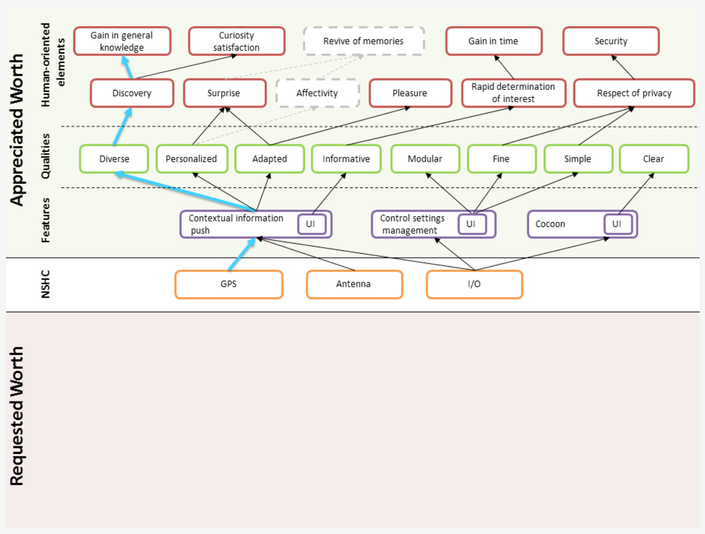


Cocoon provides the user with different types of information (family stories, restaurants, news, ...) according to context (location, time, ...). Cocoon also allows the user to control different parameters (number of information, types of information, and collection of contextual data).

The control settings management feature, relying on the device I/O, should present the quality of being fine in order to allow precise adjustments, so that the desired degrees of respect of privacy can be guaranteed which may fulfill users' need for security.



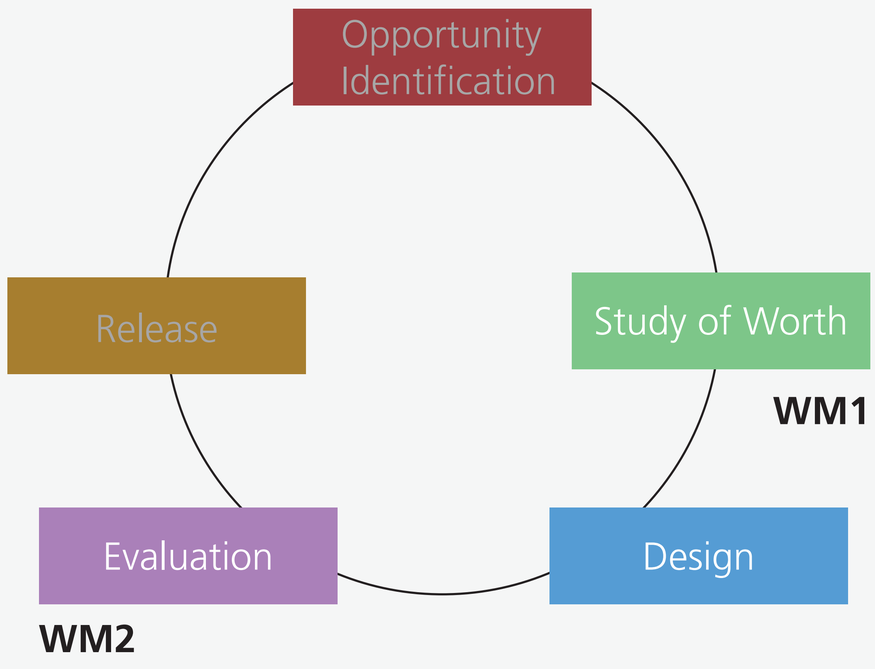
WM1



WM2

The contextual information push feature supported by the mobile device GPS presents the quality of being diverse (because serves the user with different types of information); this diversity enhances discovery of new information (e.g. related to a chateau, a museum) and results in a gain of general knowledge for the user.

WM2 was constructed after the completion of Cocoon field evaluation. WM2, then, visually summarizes outcomes from evaluation.
Furthermore, WM1 was compared WM2 to measure the system evolution.



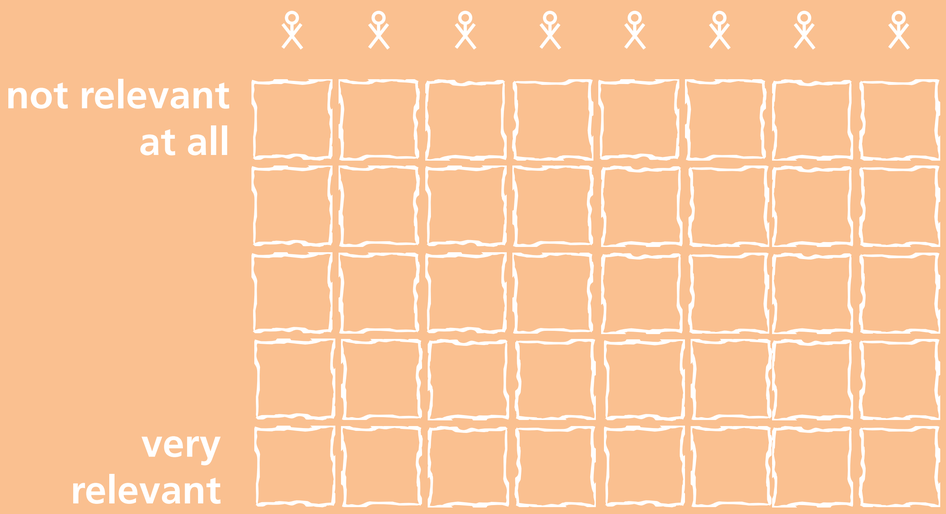
WM2

WM1

WM1 was constructed after completion of the study of worth of Cocoon conducted using interviews in order to visually summarize the results of the study and, therefore, visually convey the worth of Cocoon.

WM1 supported UI and interaction design, particularly through UI and Interaction qualities.

Worth of the WM use

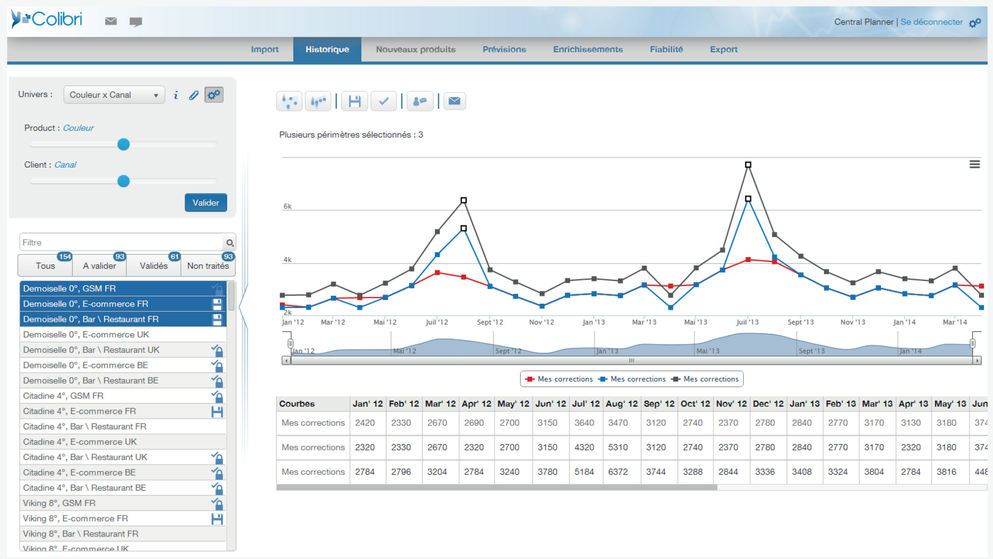


Comments

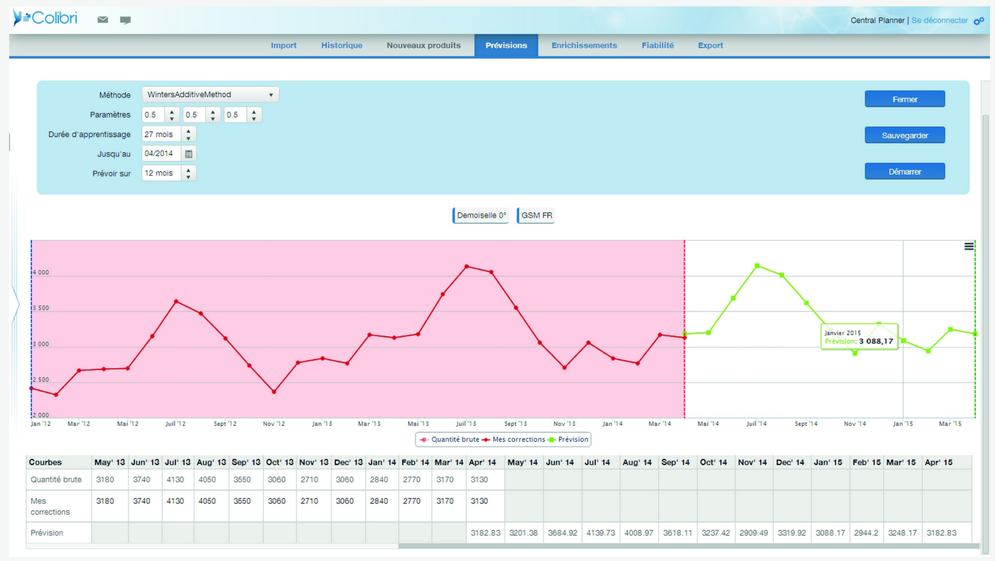
COLIBRI

Towards a New Generation of Advanced Planning Systems

Colibri is developed within the context of an industrial project which aims at implementing an innovative Advanced Planning System (APS) for small and medium enterprises.



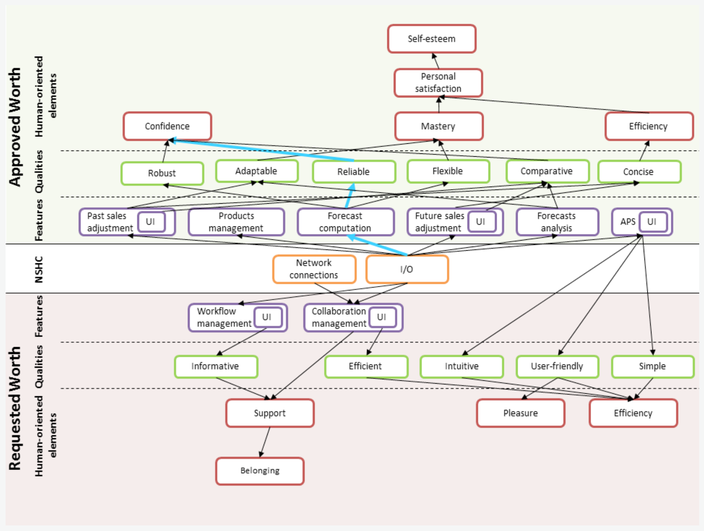
Courbes	Jan' 12	Feb' 12	Mar' 12	Apr' 12	May' 12	Jun' 12	Jul' 12	Aug' 12	Sep' 12	Oct' 12	Nov' 12	Dec' 12	Jan' 13	Feb' 13	Mar' 13	Apr' 13	May' 13	Jun
Mes corrections	2420	2330	2670	2690	2700	3150	3640	3470	3120	2740	2370	2780	2840	2770	3170	3130	3180	374
Mes corrections	2320	2330	2670	2320	2700	3150	4320	5310	3120	2740	2370	2780	2840	2770	3170	2320	3180	374
Mes corrections	2784	2796	3204	2784	3240	3780	5184	6372	3744	3288	2844	3336	3408	3324	3804	2784	3816	44



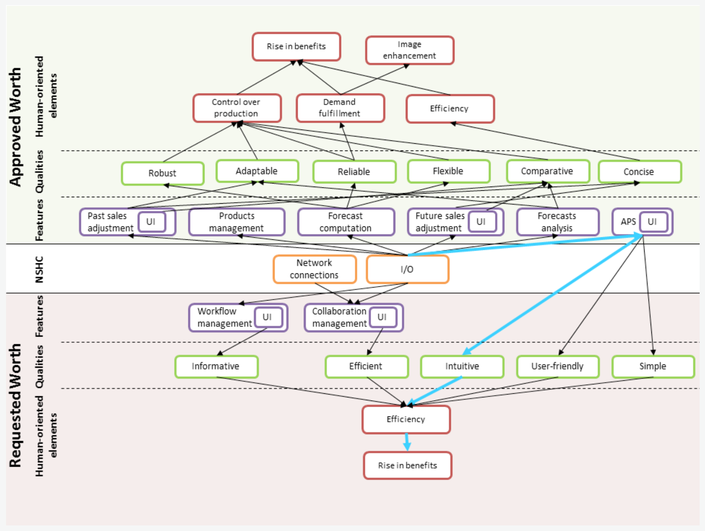
Courbes	May' 13	Jun' 13	Jul' 13	Aug' 13	Sep' 13	Oct' 13	Nov' 13	Dec' 13	Jan' 14	Feb' 14	Mar' 14	Apr' 14	May' 14	Jun' 14	Jul' 14	Aug' 14	Sep' 14	Oct' 14	Nov' 14	Dec' 14	Jan' 15	Feb' 15	Mar' 15	Apr' 15
Quantité brute	3180	3740	4130	4050	3650	3060	2710	3060	2840	2770	3170	3130												
Mes corrections	3180	3740	4130	4050	3650	3060	2710	3060	2840	2770	3170	3130												
Prévision												3182.83	3201.38	3684.92	4139.73	4008.97	3618.11	3237.42	2909.49	3319.92	3088.17	2944.2	3248.17	3182.83

In addition to the basic features of an APS, Colibri provides, through an efficient and user-friendly user interface, integrated means for collaboration as well as process-related information in a highlighted workflow and using different indicators.

The forecast computation feature, supported by the device I/O, presents the quality of being reliable because it relies on scientifically validated algorithms, which creates confidence (for the forecaster) in forecast data.

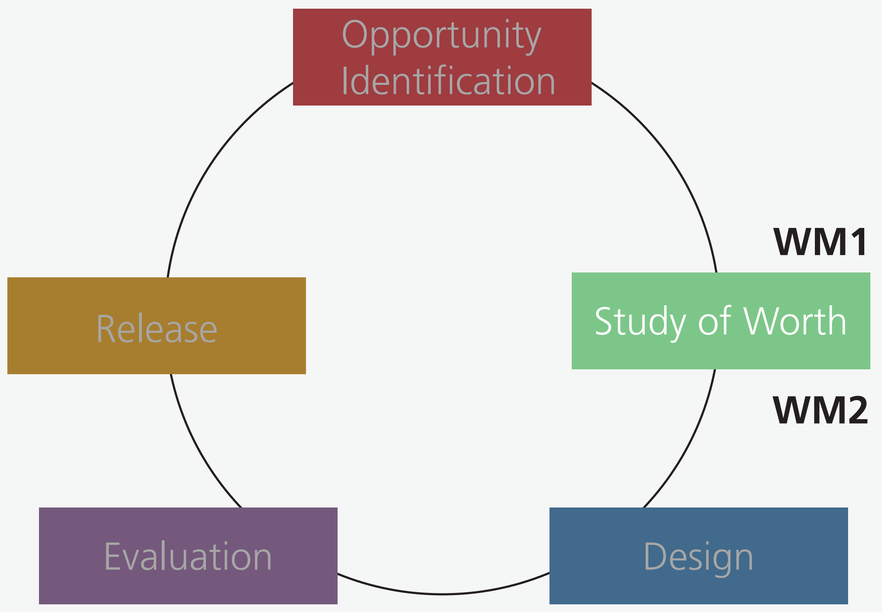


WM1



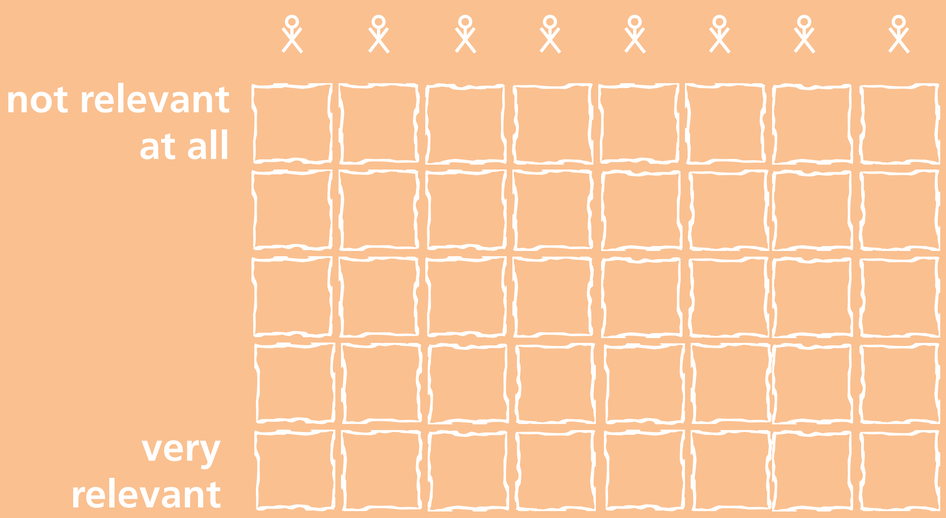
WM2

The user interface of an APS should be (more) intuitive for enhancing efficiency (of forecasters) and, therefore, a rise in benefits for the company



The study of worth (of APS in general) was carried out through an analysis of existing systems in collaboration with experts in the field. Two WMs, WM1 and WM2, with a common basis visually summarizing results in terms of existing/missing features and related qualities of APS, were constructed to highlight more human-oriented outcomes respectively for users and for companies.

Worth of the WM use

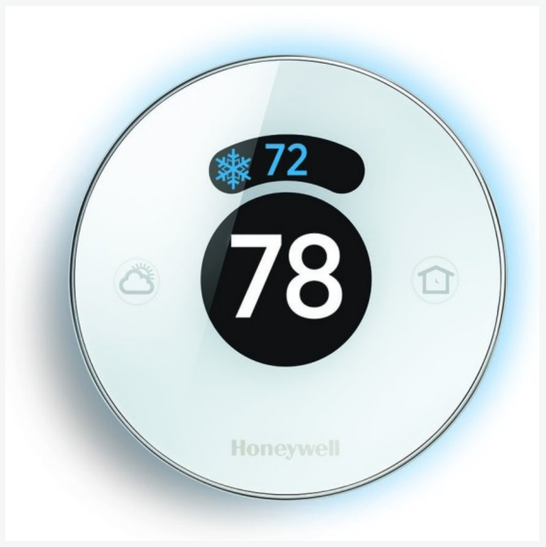


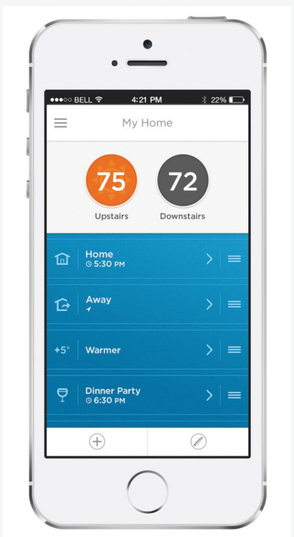
Comments

LYRIC

A modern thermostat

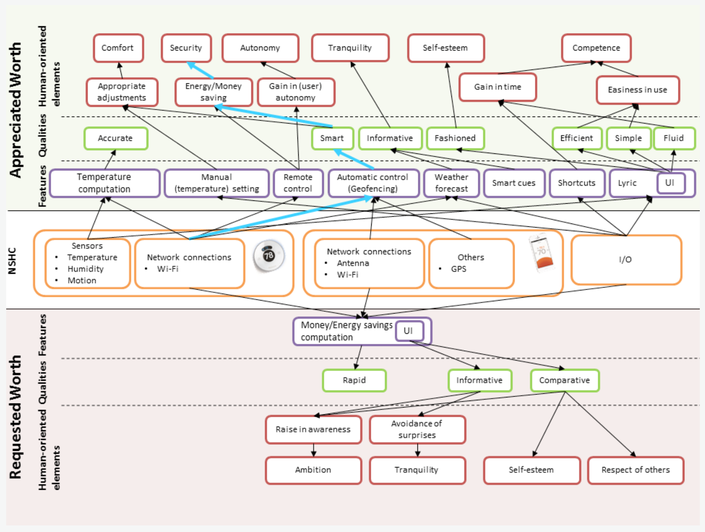
Lyric is one of the latest thermostat commercialized by Honeywell.





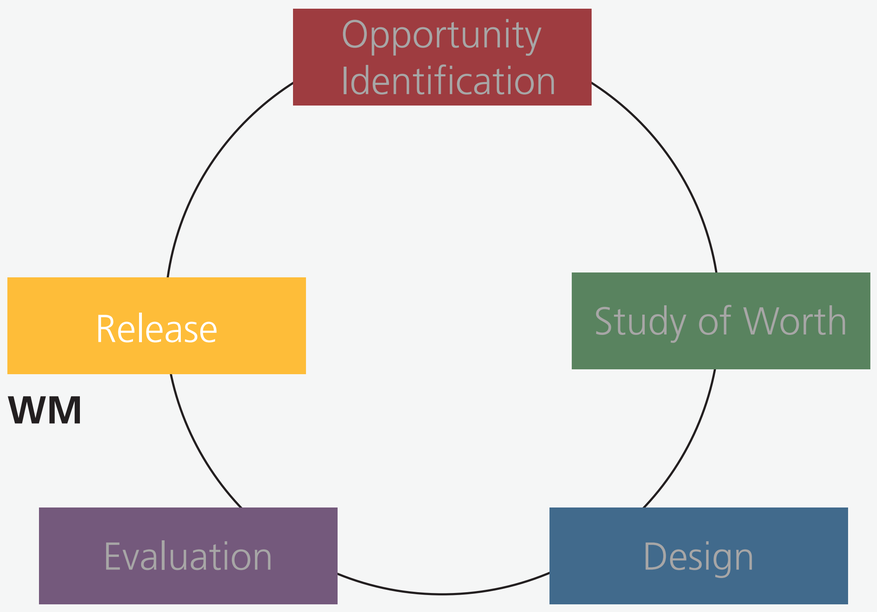
Lyric offers much beyond primary functions of a ‘classic’ thermostat by taking advantage of the modern technology to provide features such as automatic and remote control through a distributed interaction between the Lyric device and the user’s mobile device.

The Geofencing (automatic control) feature uses some network connections and presents the quality of being smart because knows when the house is empty or occupied and proceeds to appropriate adjustments accordingly. Therefore, the Geofencing feature contributes to energy and money saving which may enhance financial security for the user.



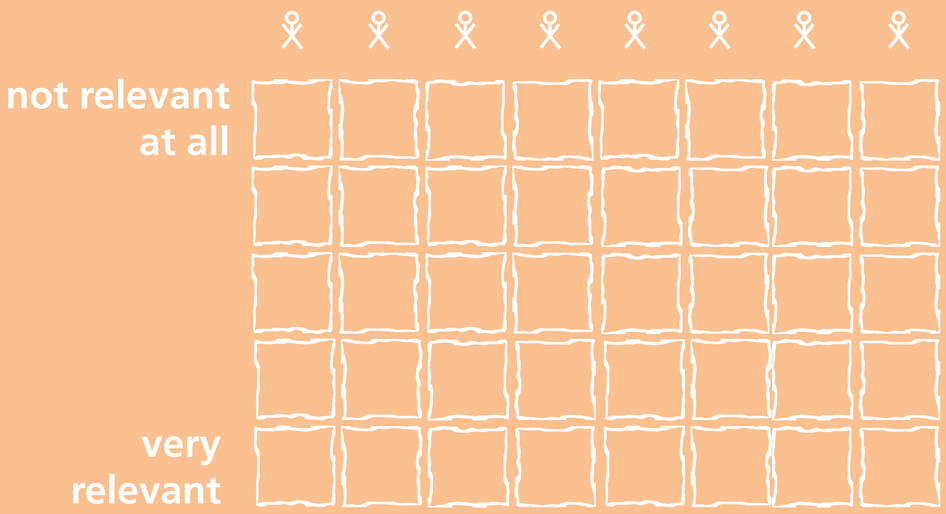
WM

Lyric WM was constructed on the basis of information collected from the product website and different related videos in order to highlight the potential of the Lyric thermostat but also to highlight, despite this potential, the lack of a worthwhile feature.



WM

Worth of the WM use

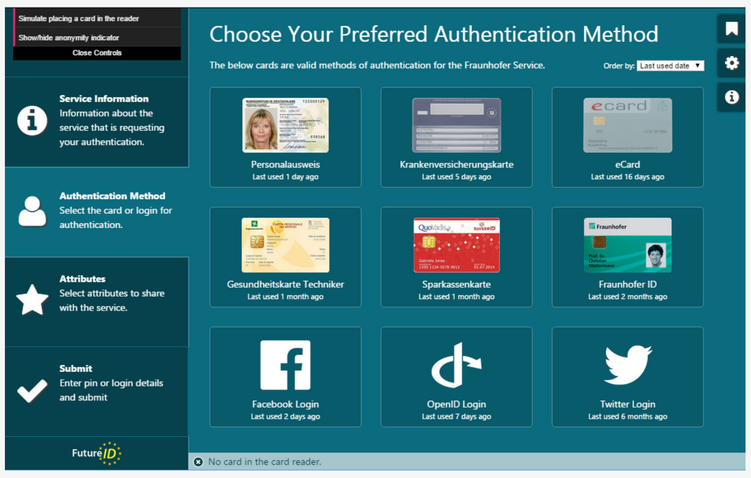


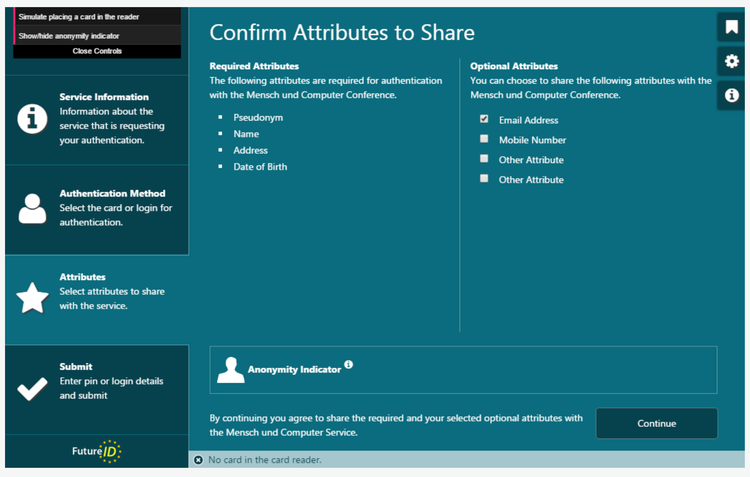
Comments

FUTUREID

Shaping the Future of Electronic Identity

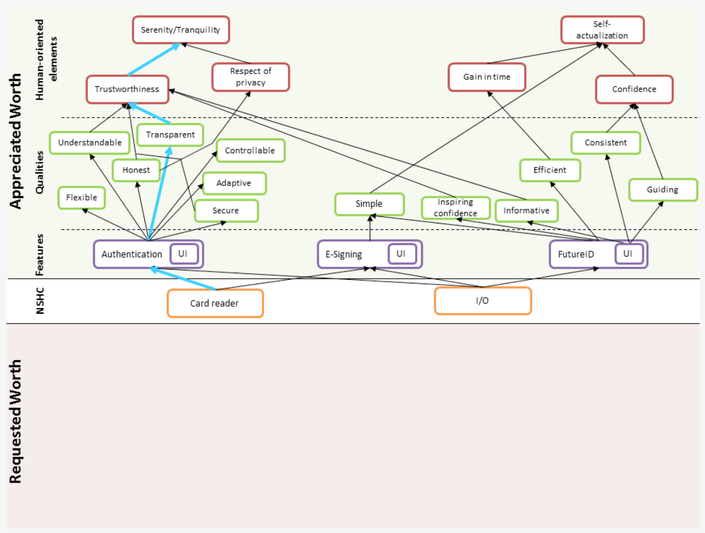
FutureID is an European research project which aims at promoting the use of the different European eID means through a comprehensive, flexible, privacy-aware, and ubiquitously usable infrastructure.





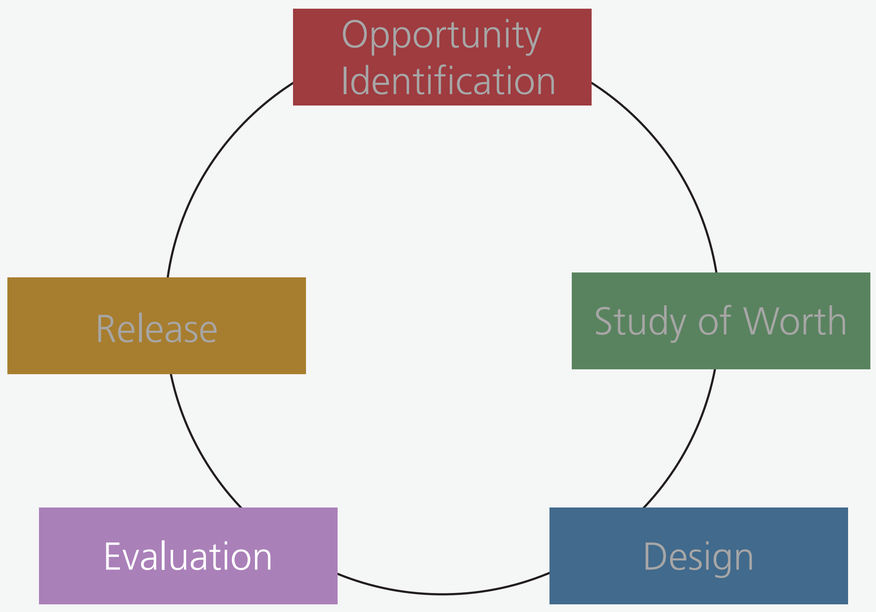
Through a user interface, which seeks to be efficient and professionally designed, FutureID provides the user with two main features: (1) online authentication using different physical and digital means (e.g., national ID card, social insurance card, Facebook, Twitter) and (2) electronic document signing. Given the sensitivity of FutureID applications, raising big concerns related to privacy, data misuse and hacking, security and transparency are at the core of FutureID both from an internal (underlying processes, protocols, etc.) and an external point of view (the UI).

The authentication feature in FutureID is supported by the device card reader (when authenticating using a physical card) and presents the quality of being transparent because highlight accessible as well as shared information. Transparency from FutureID is likely to enhance trustworthiness in the system and, therefore, serenity and tranquility for the user regarding privacy issues.



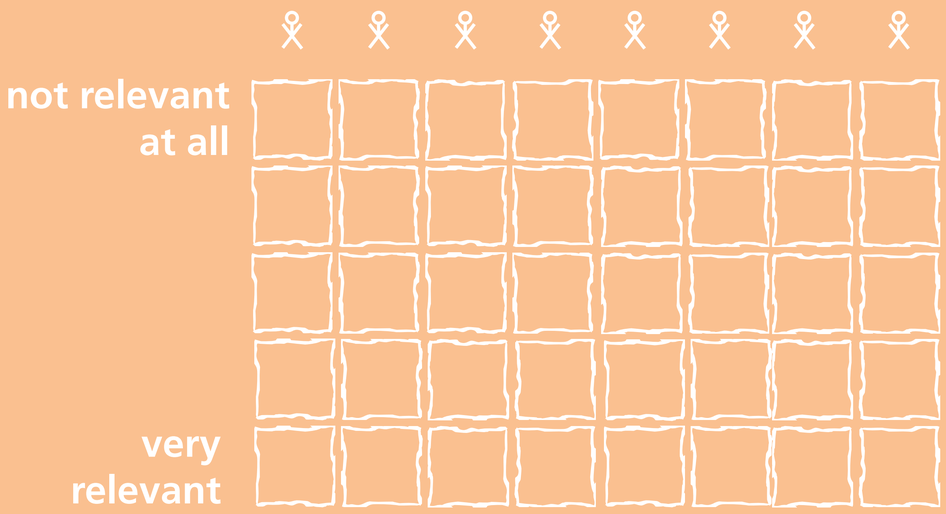
WM

FutureID WM was constructed at evaluation phase. The WM modelled an ideal system (thus, without any requested worth) on the basis of different project documents specifying requirements regarding the following aspects: Features, usability, and trust. The WM is intended to support FutureID evaluation through the Think-Aloud and Semi-Structured Sentence Completion', a new method for context-specific evaluations.



WM

Worth of the WM use



Comments