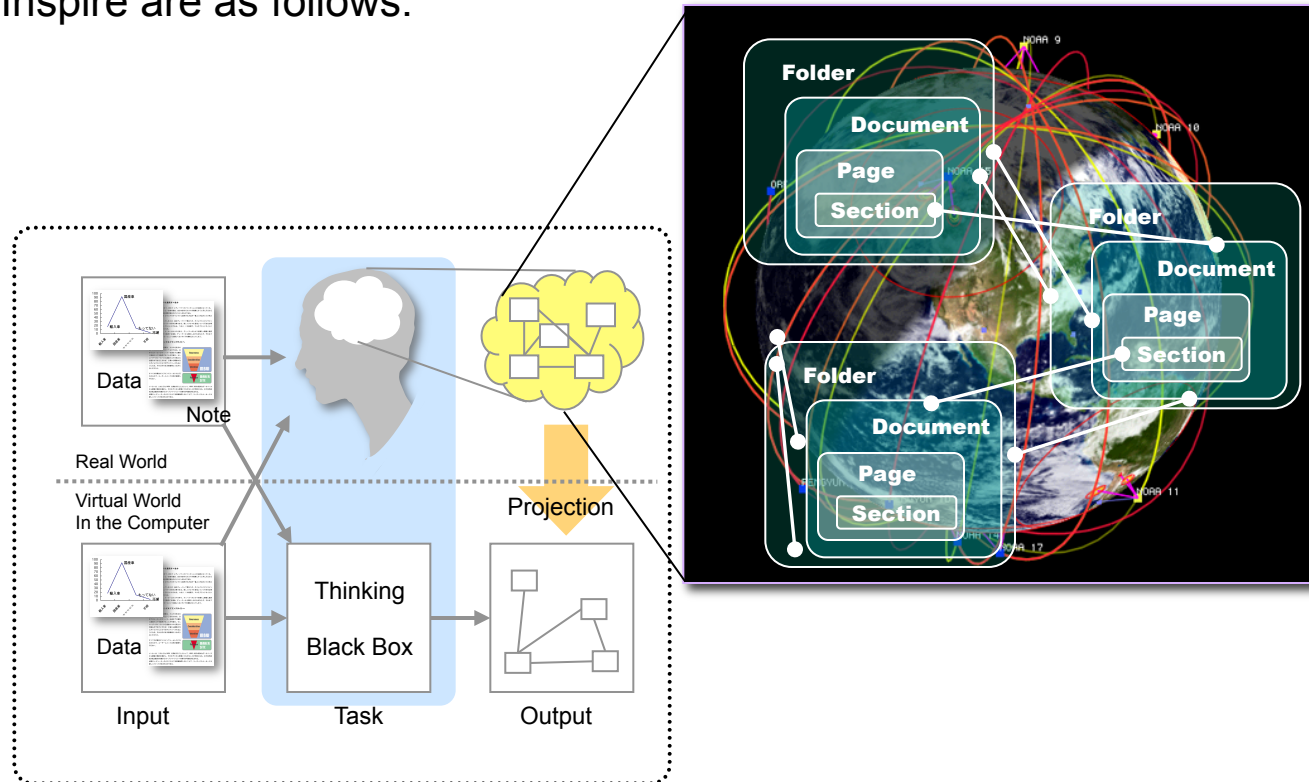


-*Inspire* is a next generation Web application platform that brings to life a [Web operating system] and a network structured document database. Inspire creates a scheme which allows human thinking model easily on the computer and displayed on the Web.

-The product also possesses a concept as a Web-OS that capsulate functions on the Web for reuse. The technologies used in Inspire are as follows:

- structured document model
- Knowledge driven architecture
- Separation of model and view
- Component
- Layout technology
- Non-schemer implementation
- Integration of development and implementation



- Knowledge Driven Architecture (Model Driven Architecture)

With *Inspire*, data storage and expression that reflect human thoughts can be structured on the computer without database schemers or program development such as Java.

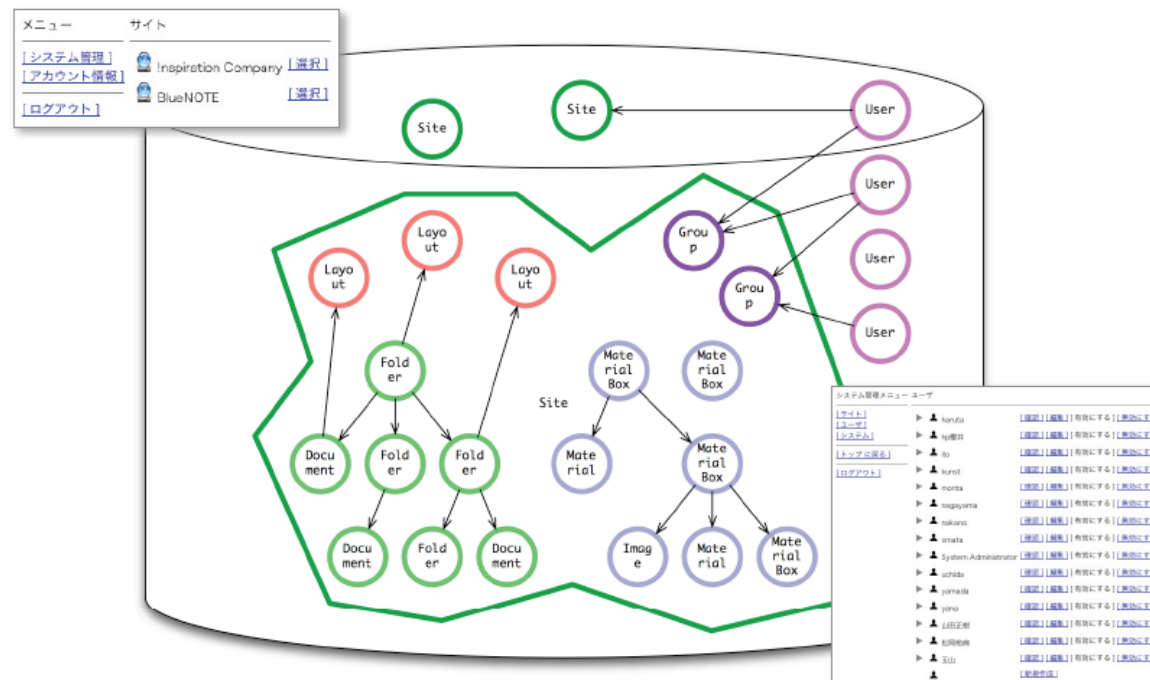
MDA organizes the models and applies them to the implementation environment thus creating a break between upper processes and the lower processes. With this development method, the model's operation check can only be confirmed in the lower process. If the created model does not operate, it is remodeled from the lower process. This process is aware of the system's presence so there is some disjunction from a man's way of thinking. With *Inspire*, there is an assumption that the model will operate and the model's operation is checked constantly thus achieving high affinity with human thought. In other words, it surpasses the level where only the model is driven and is equal to a method that is driven by knowledge. *Inspire* architecture is a kind of Knowledge Driven Architecture (KDA).

By incorporating the KDA concept, method of storing and expressing direct information on execution environment can be set up without metadata design. Therefore:

- Application can be designed and implemented without build-install
- Environment that carries out SW design, implementation, test, and commercial operation are centralized
- Provides an environment that enables incremental execution of SW design, implementation and test (Provides environment that executes XP)
- Meta-models can be created by creating instances rather than meta-model design

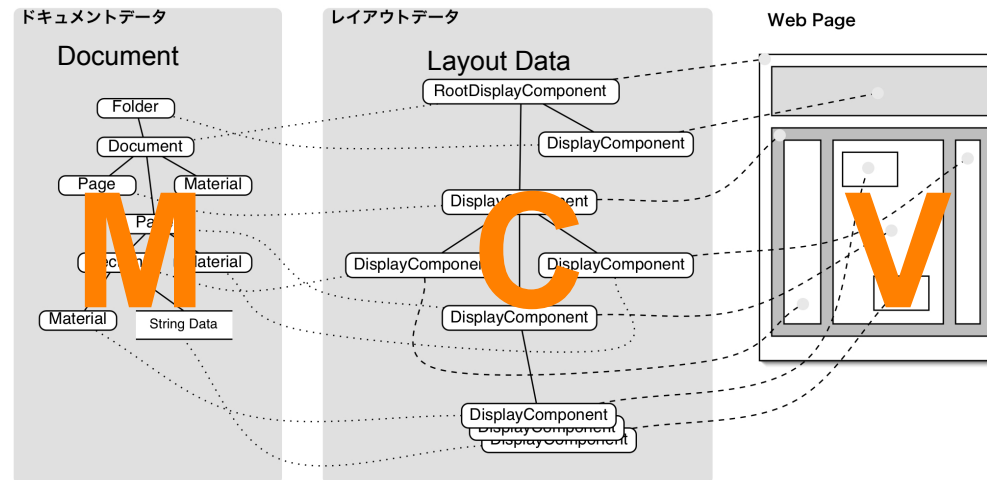
▪ Structured Document Model

Inspire defines data based on a hierarchical structure divided into folder, document, page, and section. In addition, it has a document structure that defines an original concept called “binding” and allows flexible definition of references between data. Time and space (place) axes are incorporated in data.



- Separation of model and view (Right diagram)

In contrast to Wiki, the structured document model and input/display are separated in order to create a characteristic that avoids overcrowding in design.



It has SOA application system as indicated by MVC. We gave it a mechanism whereby it performs as closely as possible to the human thinking model.

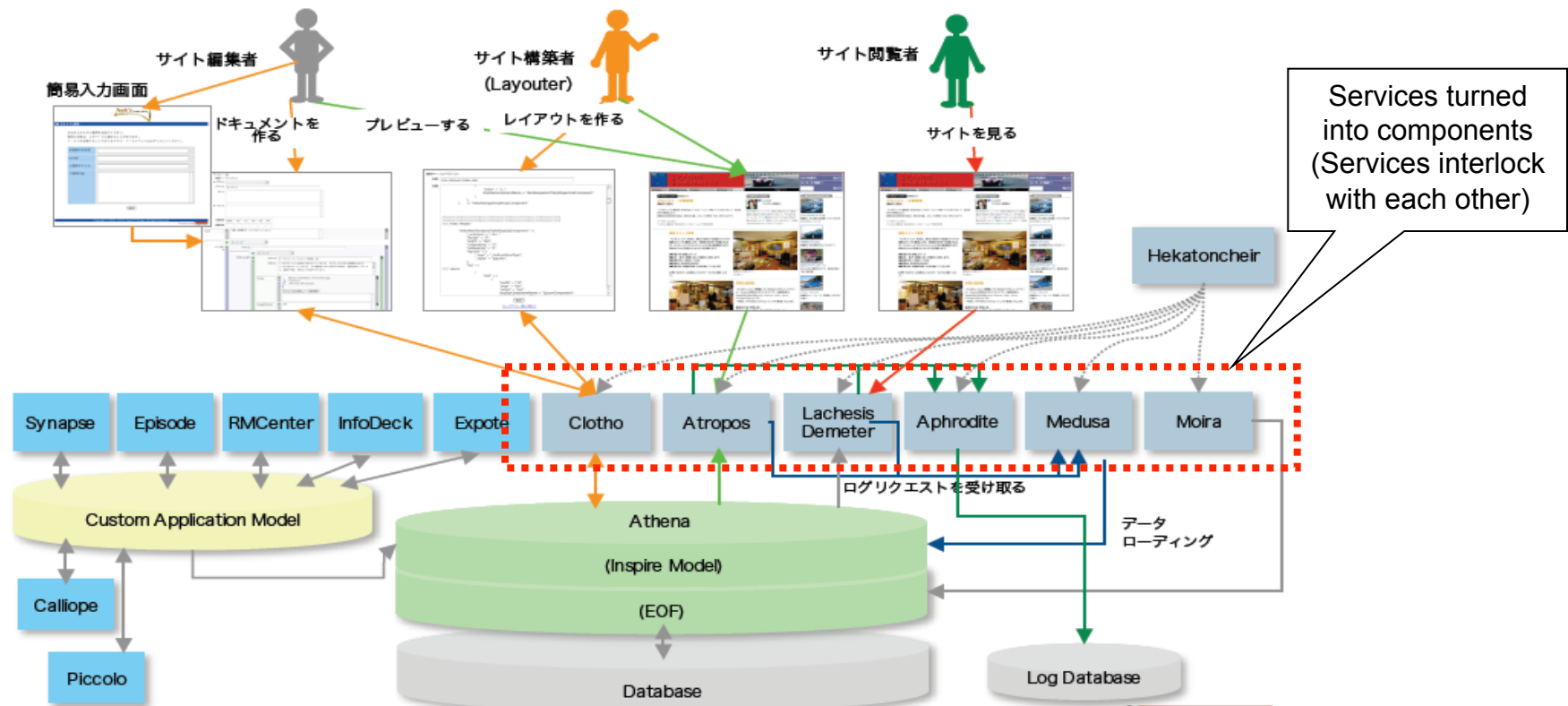
• Web Service and Component

Each service is turned into a component and bound together.

One application is created through seamless binding between components.

In order to add a service, the ideal architecture can be created by adding another component.

This is how SOA is realized.

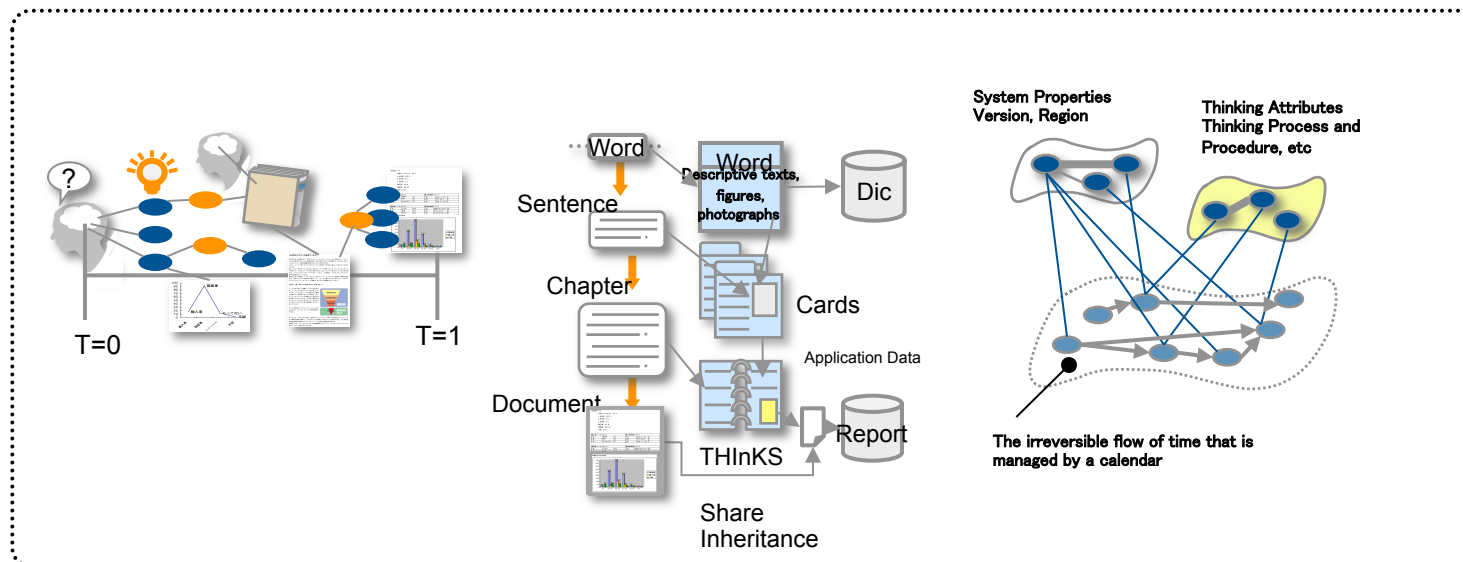


• Layout Technology

Layout technology thoroughly analyzes structure elements displayed on the screen as well as the display method in order to create a structure using an original method.

The layout can be reused since the data and layout information are separated.
1 data multi-view is possible.

Dynamic changes are possible since compile is not necessary
and layout created can be previewed with the model.
The product provides a template of a flexible display layout
that reflects the structured document model.



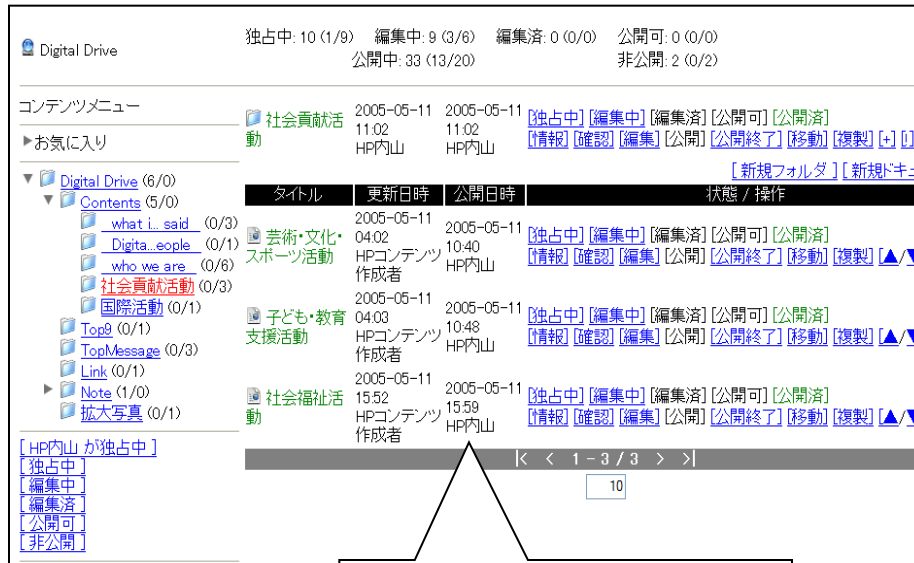
• Rapid Implementation

Applications can be created without schemers

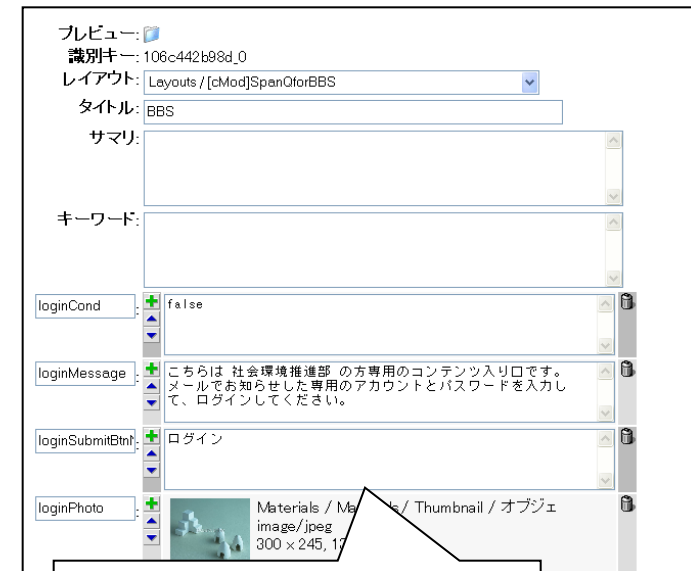
Memo-models can be created by making instances rather than designing meta-models.

The data's meta-structure is maintained on Inspire thus enabling changes in the data schemer on *Inspire* without touching or interrupting the database.

Can be used as one of the non-schemer's methods to realize persistency (e.g. file systems).




Document
management with
Tree structure



Model composer

• Rapid Deployment

Development environment and execution environment are integrated
Deployment is possible without interrupting the business environment

プレビュー: 

識別キー: 106c442b98d_0

レイアウト: Layouts / [cMod]SpanQforBBS

タイトル: BBS


サマリ:

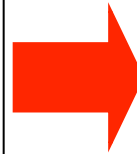
キーワード:

loginCond: false

loginMessage: こちらは 社会環境推進部 の方専用のコンテンツ入り口です。メールでお知らせした専用のアカウントとパスワードを入力して、ログインしてください。

loginSubmitBtn: ログイン

loginPhoto:  Materials / Materials / Thumbnail / オブジェ image/jpeg 300 x 245, 13,338 bytes



Display the preview of the document

1.BlueNote (Next Generation Inspire)

BlueNote is a tool that is being developed in order to enable the creation of complex document models (business system model) that cannot be created through structured document models specializing in Web page creation. Blue Note enables comparatively free and easy structuring of document models. Currently under development.

2. T*(Expanded Current *Inspire*)

Incorporates the concept of time(T) axis and space(*) axis in structured documents

3.Introduction of ontology concept

A person's knowledge is formed through synapse that is formed by information that originally exists inside the human brain. We have used that analogy as the basis of our idea to form enormous network documents with many people.

Rather than running a typical analysis of natural language when selecting the optimum description that can be assumed from a context, Inspire's ontology is a statistically processed result of results that have been selected by many people from options that have been chosen by men.

4. Distributed File System (Distributed Inspire)

We have a joint research with Ryukyu University and distributed file systems based on HP-UX and operate without RDB are applicable to research.

5. Establishment of search technology for application areas that have not been possible until now

Application is valid in areas such as chemical, medical, biomaterials, etc.
Research and development for search methods that utilize knowledge models.

This product is the platform to accumulate and utilize information that exists in today's Internet world.

This type of product does not exist today in HP's MW lineup so it will work as their supplement or platform.

The following can be given as examples:

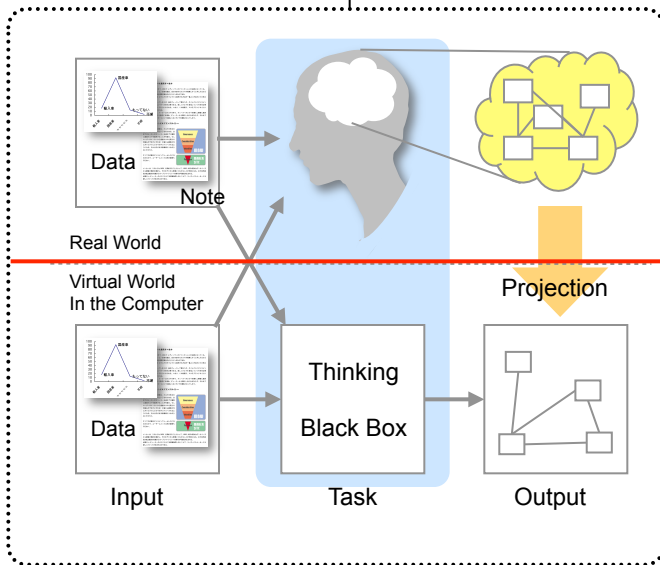
- HP standardization of SW development methodology
- Mapping is possible for web services whose strategies are being made in Adaptive Enterprise
- Possible inside OpenView
- Possible in virtualization
- Compatible with grid computing
- Can be used in Thin client server

- Rapid development is possible Short-term development is possible since the building and evaluation cycle is short.
 - Development in 1/10 to 1/100 man-hour of the typical Web application development is possible. (In comparison to the conventional Web application development method)
- A consistent approach is possible from the upper to lower process
- System can be developed while consulting with the customer
- Flexible response is possible for customer demands
- It is easy to realize SOA
- High applicability to scrap and build, and migration
 - Can be applied to migration of existing systems that are created through BroadVision, Notes, and Siebel.
- Extremely flexible license setup and system
- Initial investments during implementation can be held down thanks to the flexible license setup and system.

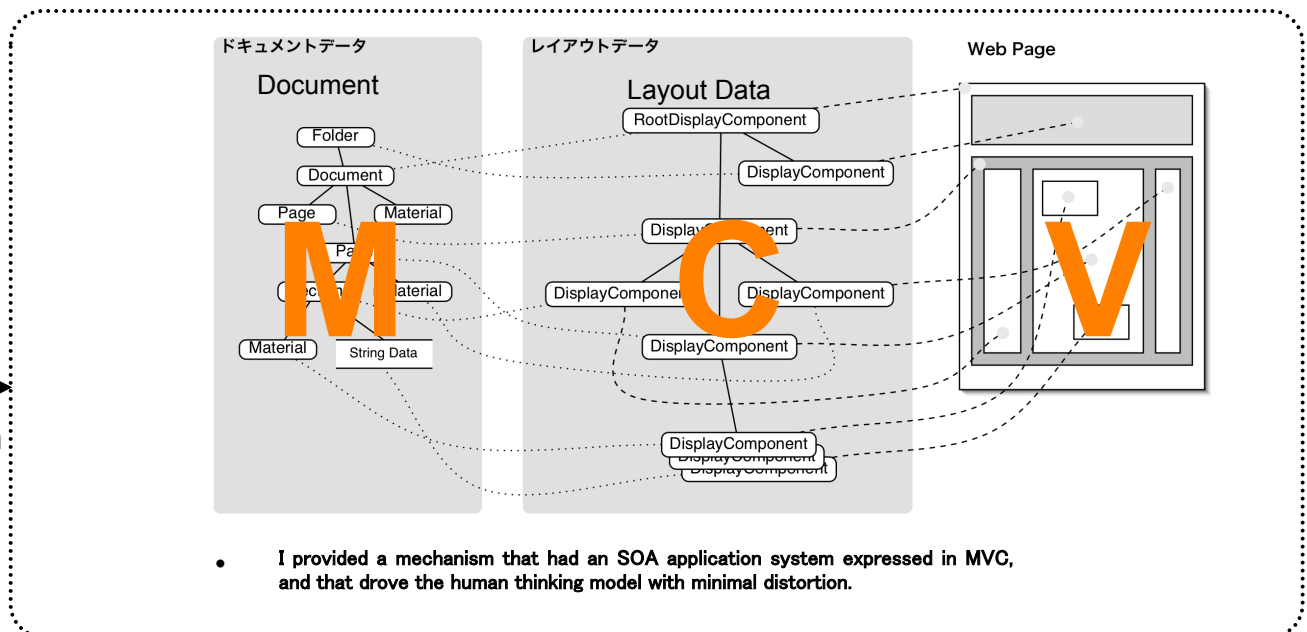
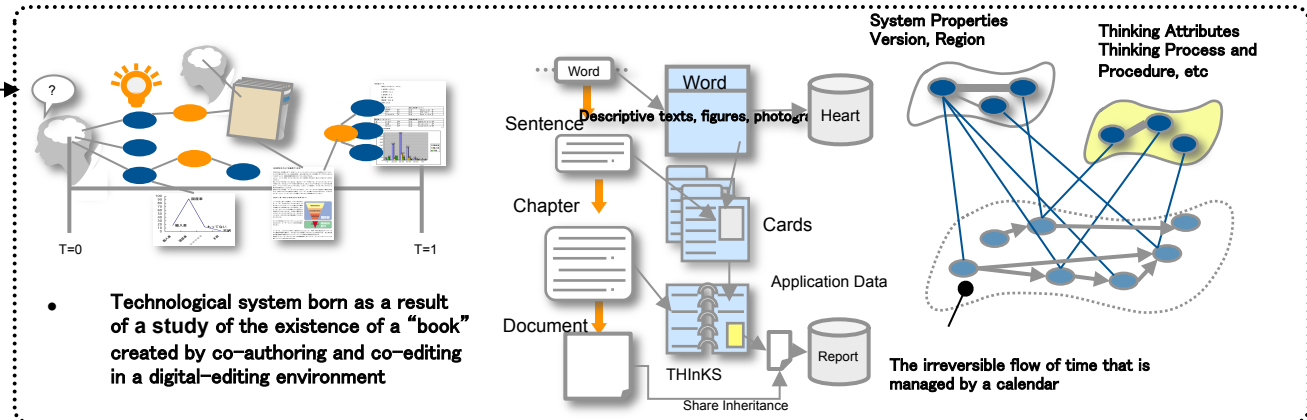
Inspire has been made possible through Nagayama's many years of research (research on how the human brain can be driven effectively). This is the main point in differentiating the product from other applications.

*See research paper

Modeling of Human Thinking



Modeling of Computer System Execution



- Where are we in our product's life cycle?
(alpha, beta, first customer shipments, shipping, version number, etc.)

Beta version, December 2002
As of December 2005: version 1.5

- Do you have performance data, test results, benchmarks, etc. for your technology?

Now discussing with HP Japan

- Whom do you see as your primary competitors?
How do you differentiate yourself from your competitors?

no same to (very unique)
There are no competitors inside the Japanese market

Inspire is being designed to be a notation format exceeding the current boundaries of traditional scientific calculations. Thus, it was born to seek possibilities of calculations and not to go after heretofore traditional algorithms that seek answers to calculations. As with the changes brought on by the invention of printing technology 500 years ago to the information industry, Inspire seeks to bring about revolutionary changes to knowledge archiving and efficiencies. As a Web OS, Inspire will greatly affect various information industries.