Domain discovery

February 21, 2021

feenk

We cover the whole discovery lifecycle.

From working with domain experts to recovering knowledge from existing systems and data and to creating executable specifications.

Visual prototypes

We capture domain expert input into executable prototype. Then we make the prototype show visual domain representations. Projecting multiple views facilitates a multi faceted discovery.

Reverse engineering

When new systems have to accommodate existing data sources, like APIs, databases or file formats, or when legacy systems already exists in the domain, we reverse engineer these and integrate the understanding in the domain discovery.

Executable specifications

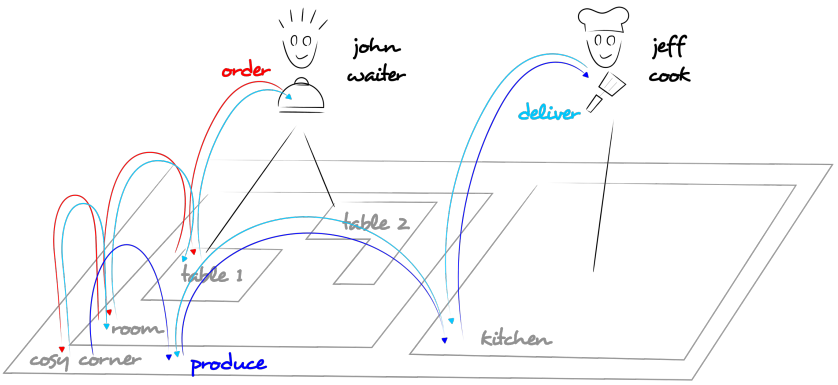
The domain discovery is driven by a prototype system that is visualized in many ways to capture the various facets of the domain.

Once the system exists, we assemble the views into larger narratives that document the domain. These essentially act as executable specifications.

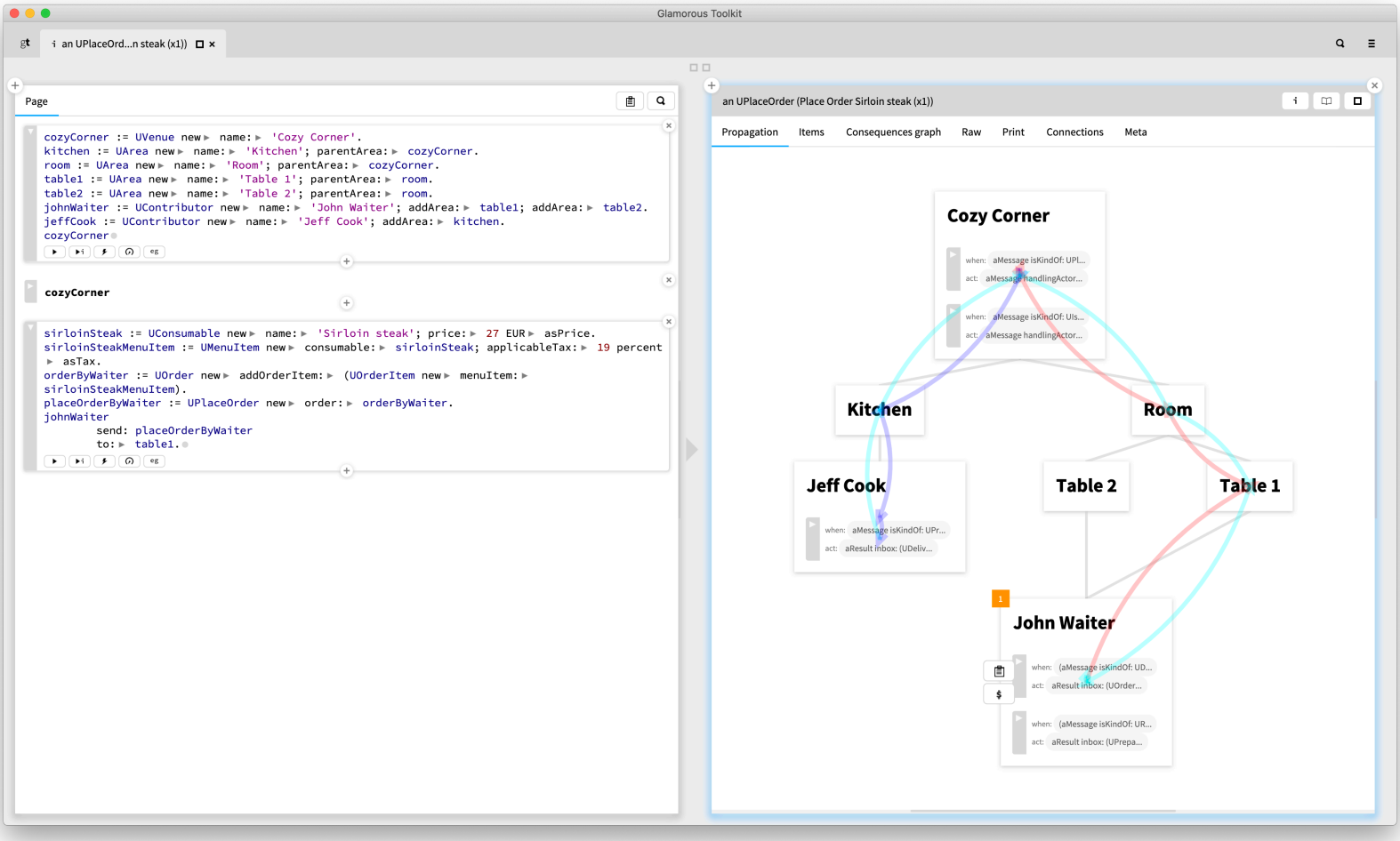
Visual prototypes

The domain discovery often starts from drawings on the whiteboard. These drawings offer a common language between domain experts and technical people.

Like this one right here, depicting a flow in a restaurant.



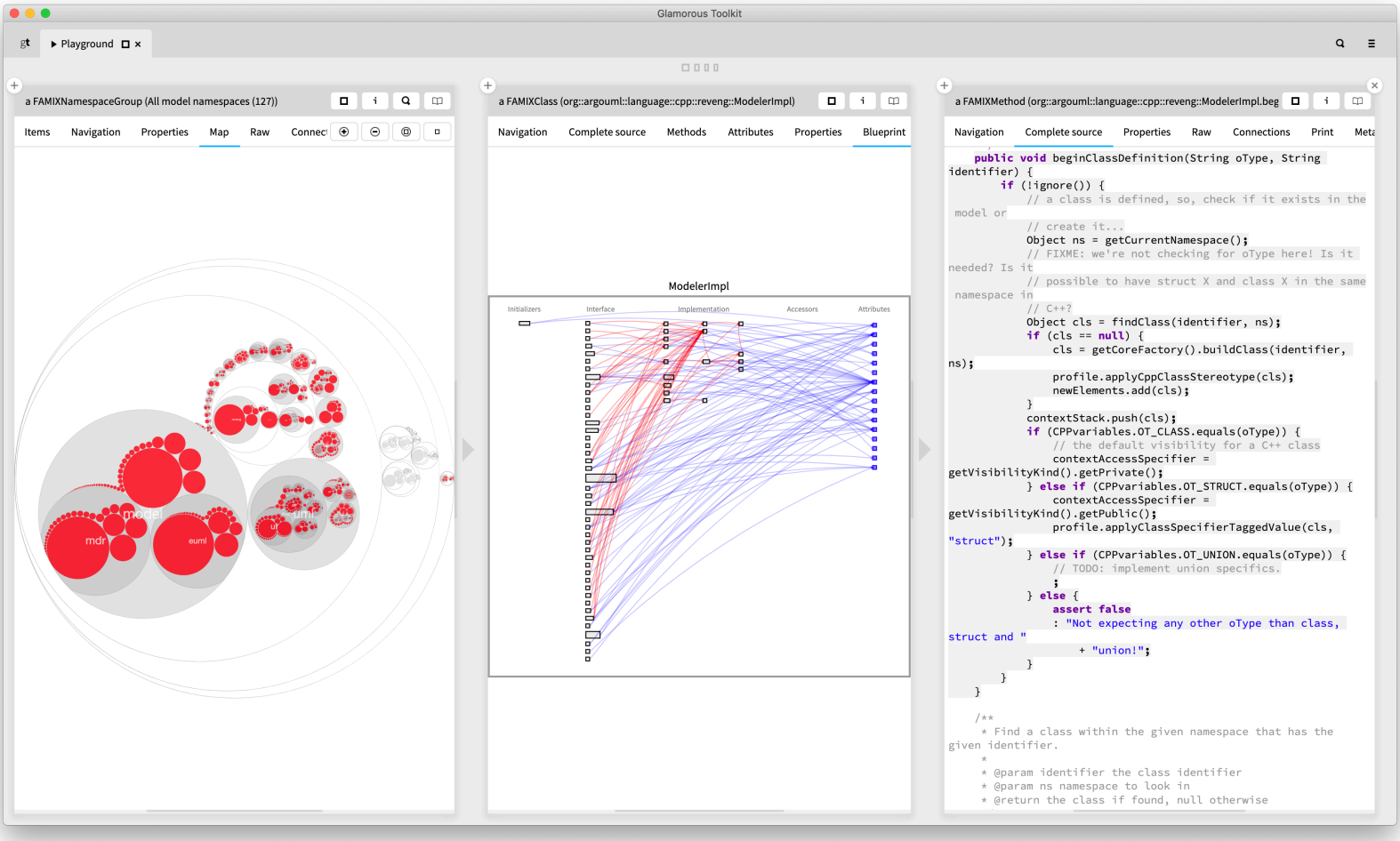
As soon as some an idea exists, we capture it in an executable prototype. And then we make the prototype show the same picture. For example, here we see code on the left and an interactive domain depiction on the right. Projecting multiple views facilitates a multi faceted discovery.



Reverse engineering of legacy systems and data sources

Often new systems have to accommodate existing data sources, like APIs, databases or file formats. Other times, legacy systems already exists in the domain.

We reverse engineer these and integrate the understanding in the domain discovery.



Executable specifications

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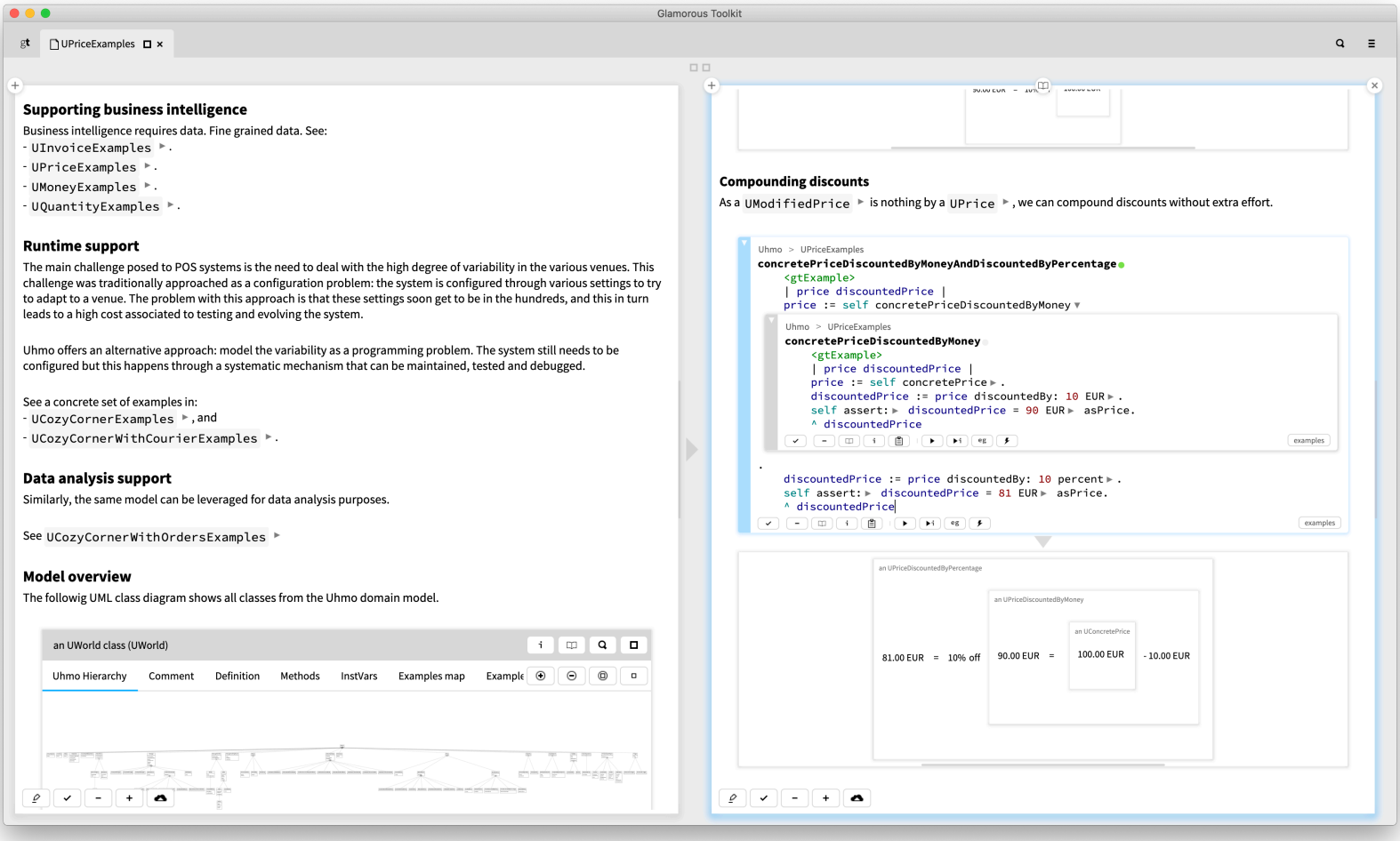

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We make your systems explainable.

We are consultants.
We are researchers.
We are authors.

We bring a unique experience. We cover the whole spectrum, from a single line of code to decisions made at the company executive level.

Our work is based on state-of-the-art scientific work, much of which we personally authored. We actively create new tools and techniques for thinking with and about software systems.

Our work has been validated for more than a decade of working with highly difficult problems in legacy systems.

Glamorous Toolkit is the moldable environment.

Glamorous Toolkit is our highly integrated and moldable environment. It is a software analysis platform. A live notebook. A knowledge management platform. A rich visualization engine. A powerful query tool. A fancy editor.

But, most importantly, it can be molded in many ways to fit the context of the system at hand. This ability is crucial. Through it, decision making becomes both highly effective and a beautiful experience.