# Describing a Model Before Making a Model: A Framework

A way to talk about models before we make them, not by what they look like, but by what we intend the model to do and the kinds of play we want to invite.

#### The Problem:

Anyone who has used a model knows their value to making the complex clear and building a shared understanding amongst multiple parties.

However, it can still prove a challenge to get approval for the time and budget required to go through the process if you can't provide a sense of what the output will be.

(Additionally, once you do get approval for the modeling process, that same lacking sense of what it will be often impedes starting.)

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Training classes on this and other modeling topics available.

#### The Typical (but problematic) Solution:

A way around this problem has been to come up with a set of 'typical' models that can be referred to by a name that primarily points to what it will look like more than what it will do.

(Sitemaps look like trees, Journey Maps have horizontal channels and flow left to right, Wireframes look like bad websites, Business Process Models are boxes and arrows, etc.)

The **problem with this approach** is that the best models are the ones that don't conform to the typical, but instead bend and adapt to best represent the nature of the thing.

It answers the question "why was this Thing

created?" (for existing Things) or "why should

we make this Thing?" (for new Things) from

the stakeholders' perspective.

("User" is intentionally non-specific, as there

are many sub-aspects that may apply; "User

Needs", "User Behavior", "User Lifecycle".)

### My Proposed Solution:

To preserve the modeler's autonomy and stakeholder expectations, we need to talk about what we intend the model to do by describing what aspect of a thing it will focus on and at what level of abstraction.

#### Your Challenge:

My challenge to you is to stop talking about the models you will make based on pictures of the models you (or someone else) have made in the past and instead talk about them in terms of how the models will be used.

Instead of talking about models based on what they will look like, describe the models you plan to make in terms of:

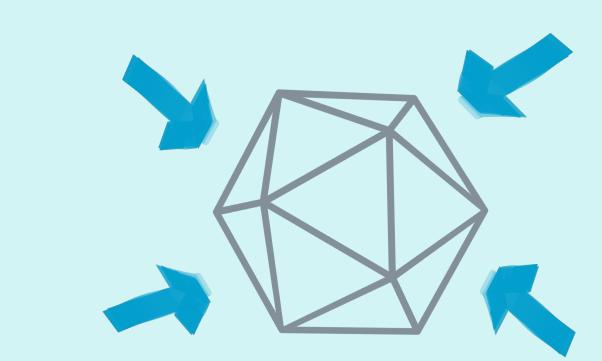
Description of a Model

- 1) How you will <u>USE</u> the model
- 2) What ASPECT of a Thing you'll focus on
- 3) What level of ABSTRACTION will best support your intended use

"The purpose of abstraction is not to be vague, but to create a new semantic level in which one can be absolutely precise."

- Edsger Djykstra, Systems Scientist

Different conversations are enabled by different levels of abstraction.



## Aspects of a Thing to Consider

To create a clear model, only a few aspects can be considered at any one time.

and considers the idea between the parts that user is intended to

interact with.

of the Thing rather than • make up that Thing.

focusing on particular

construction/makeup.



Object

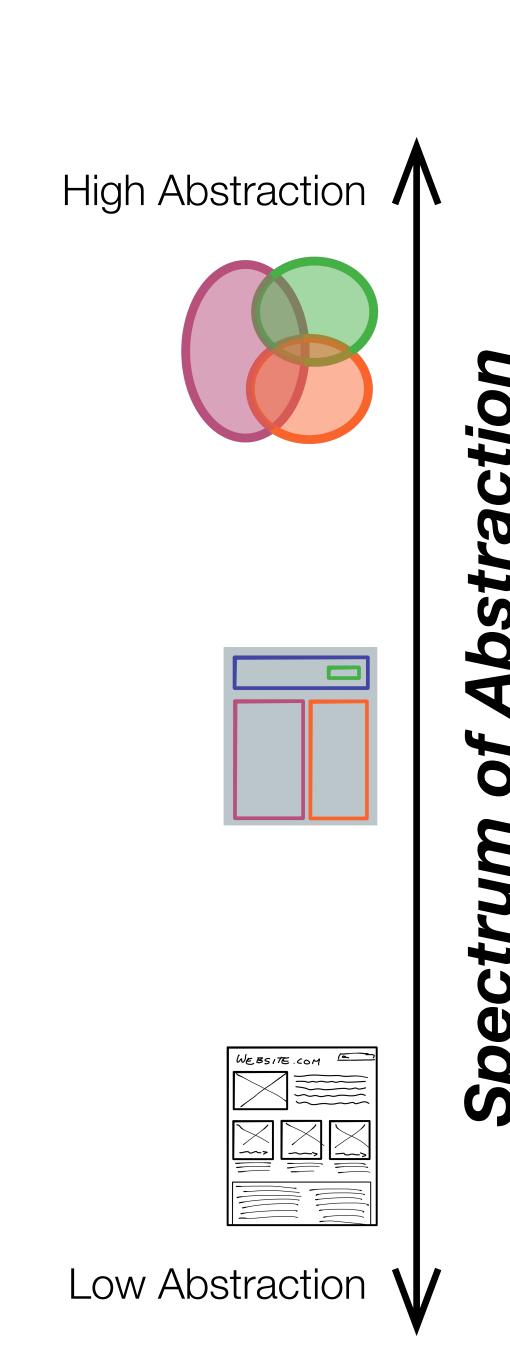
interplay of a user and
or part of the Thing

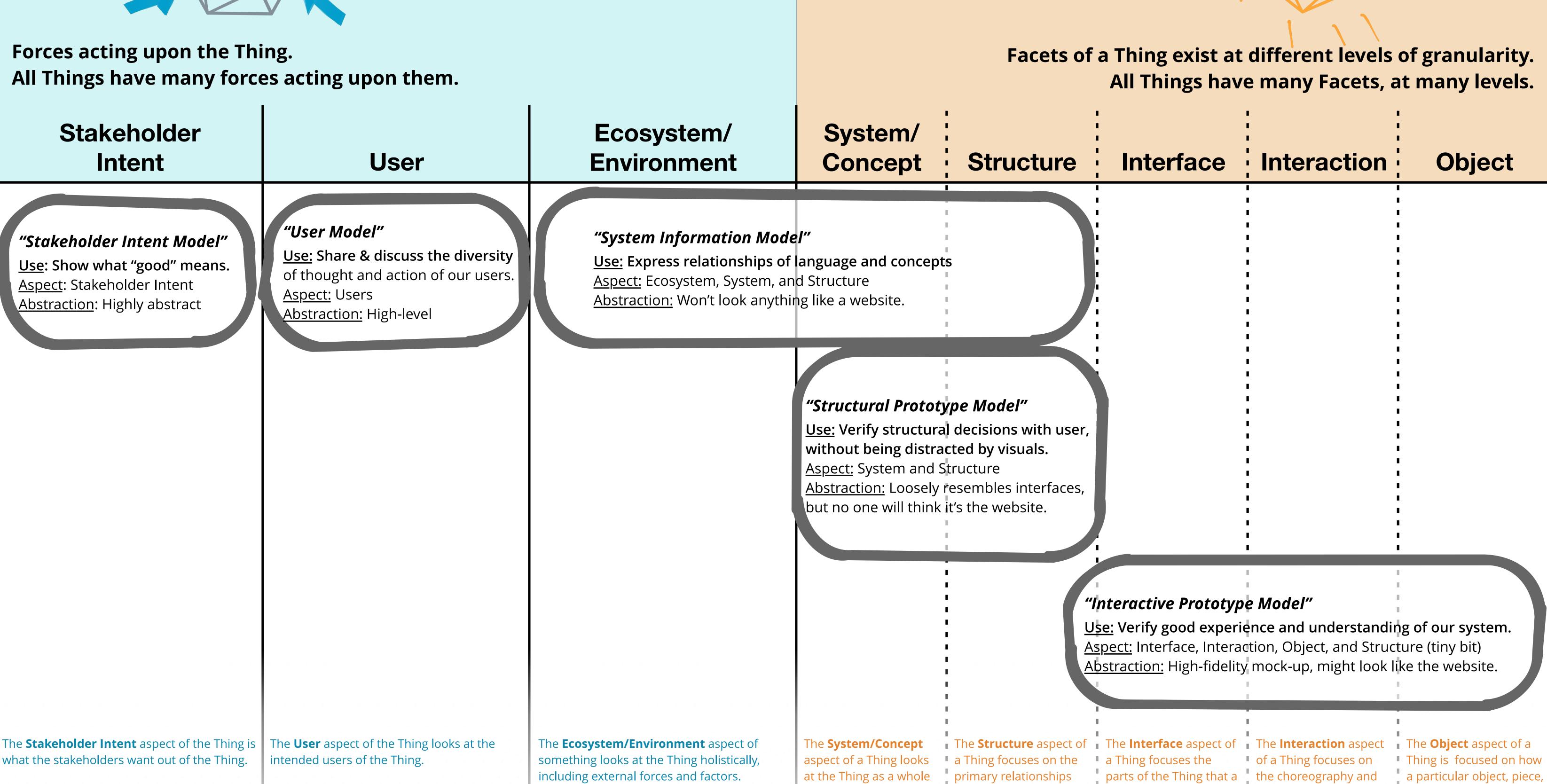
works and is deigned to

communicate it's

function.

Facets of a Thing exist at different levels of granularity. All Things have many Facets, at many levels.





This aspect is less interested with the Thing

than it is with how the Thing fits within and

interacts with its environment.