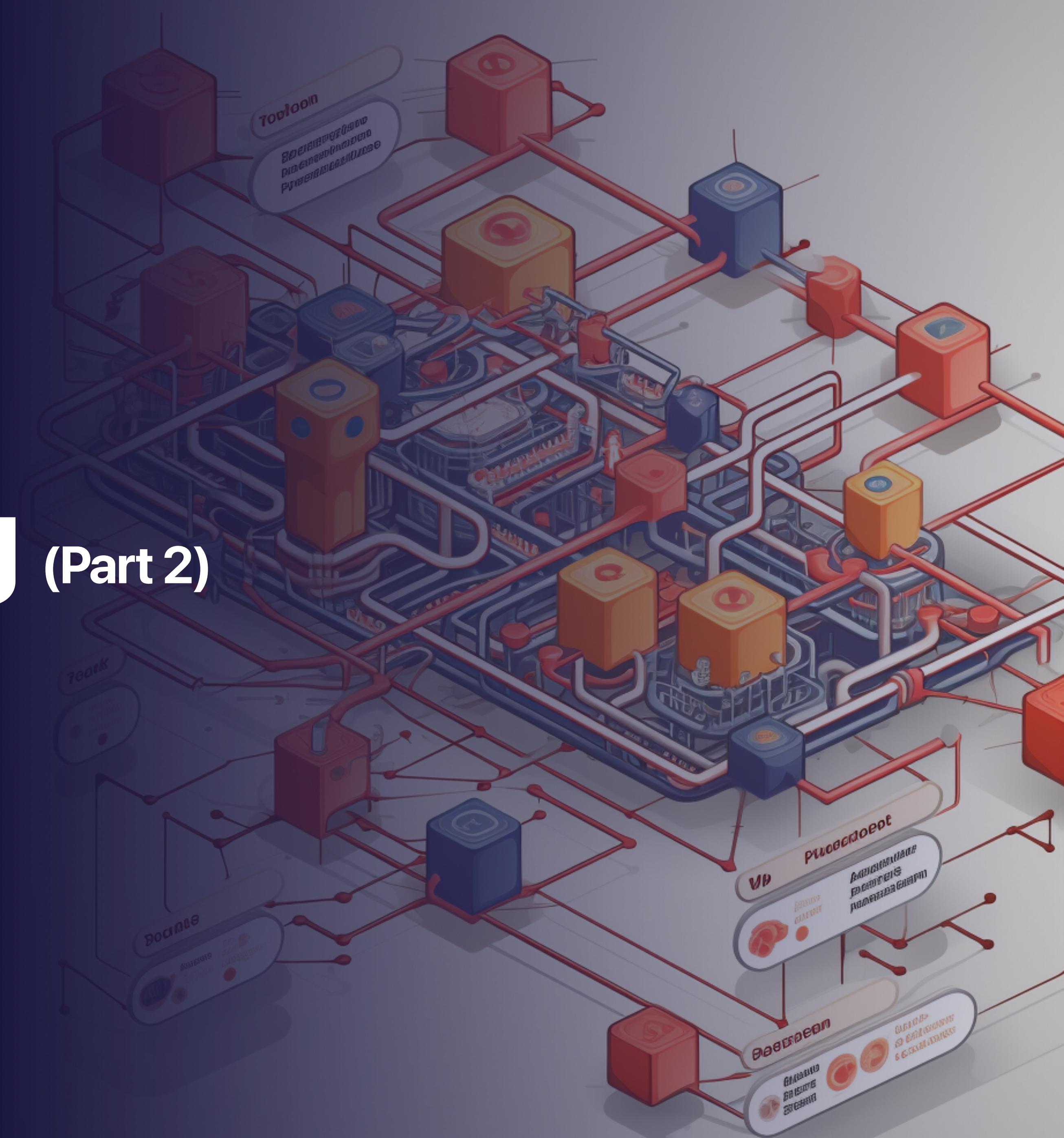


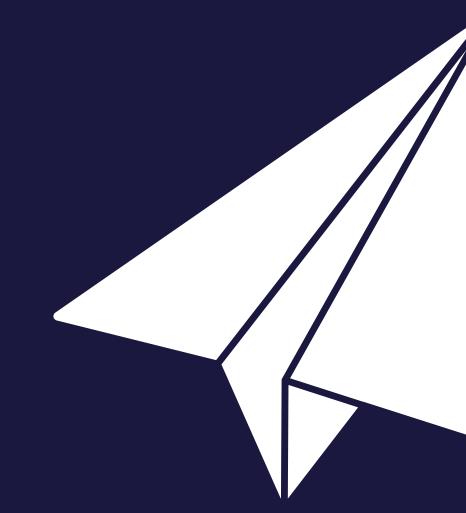


Web Engineering (Part 2)

Web Apps Modeling

Dr. Omar Hammad







The "online conference paper reviewing system" is a digital tool that helps authors submit their research papers for conferences and allows certain committee members to check and give feedback on these papers. It's like a meeting place where writers share their work and experts give it a thumbs up or down. The head of the committee can also decide which expert checks which paper and can see a list of papers that got the green light or were turned down. This tool makes the whole task of sharing and checking papers for conferences much smoother and organized.

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What are the Requirements?

What is the Content?

How to Present?

How to Navigate?

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Requirements

Register

Login

Submit
Paper

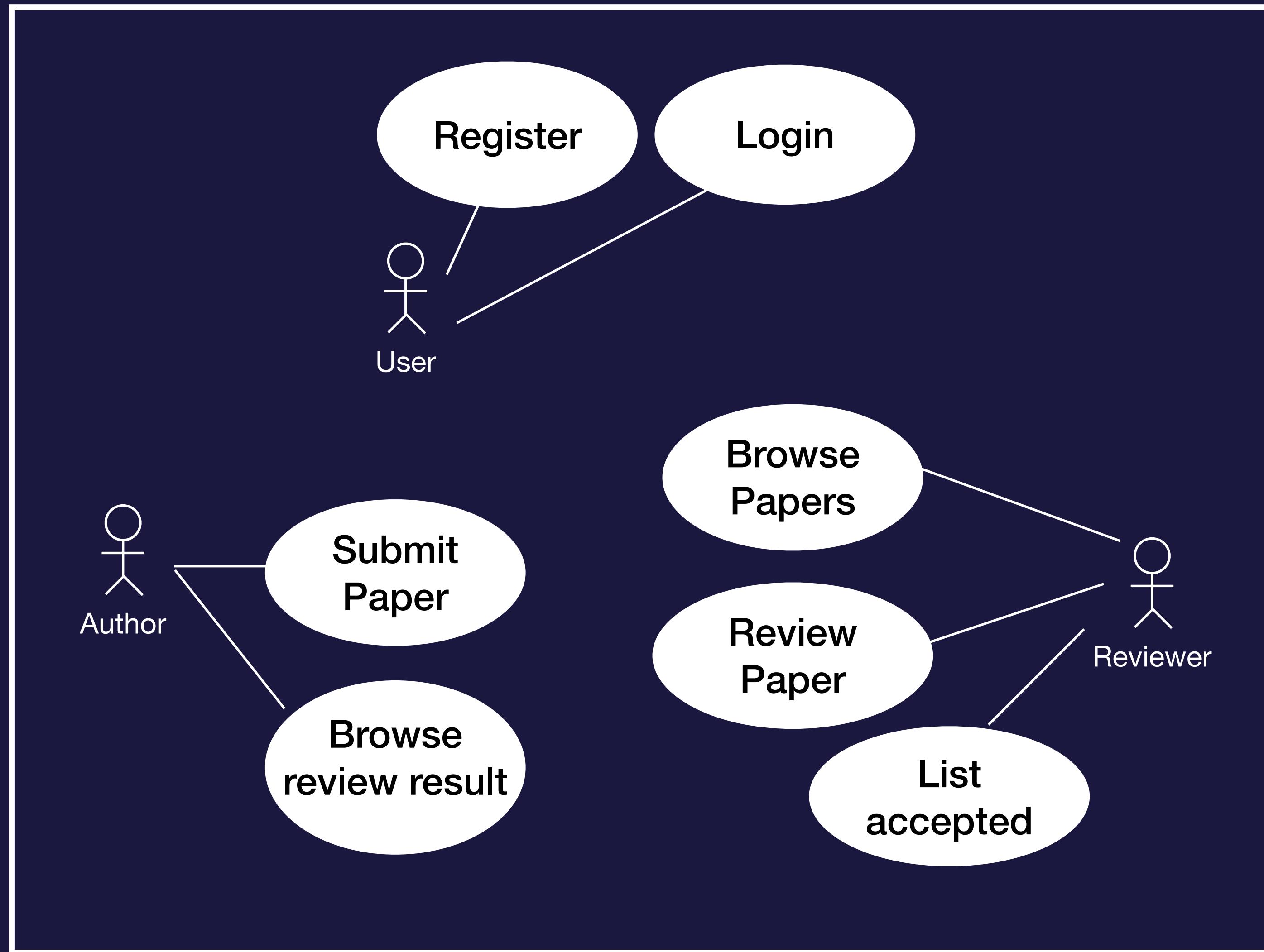
Browse
Papers

Review
Paper

List
accepted

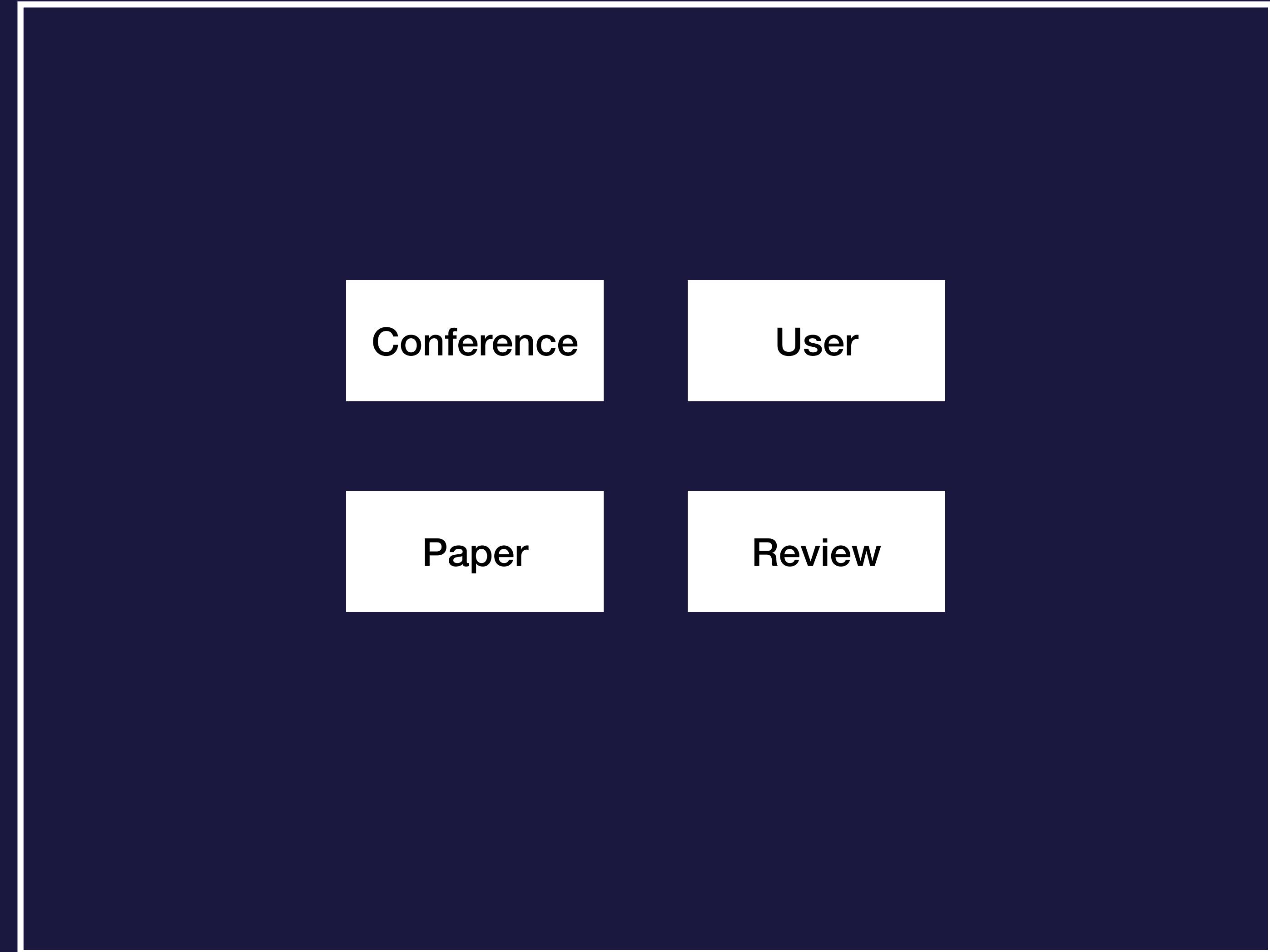
...

Use Case Diagrams

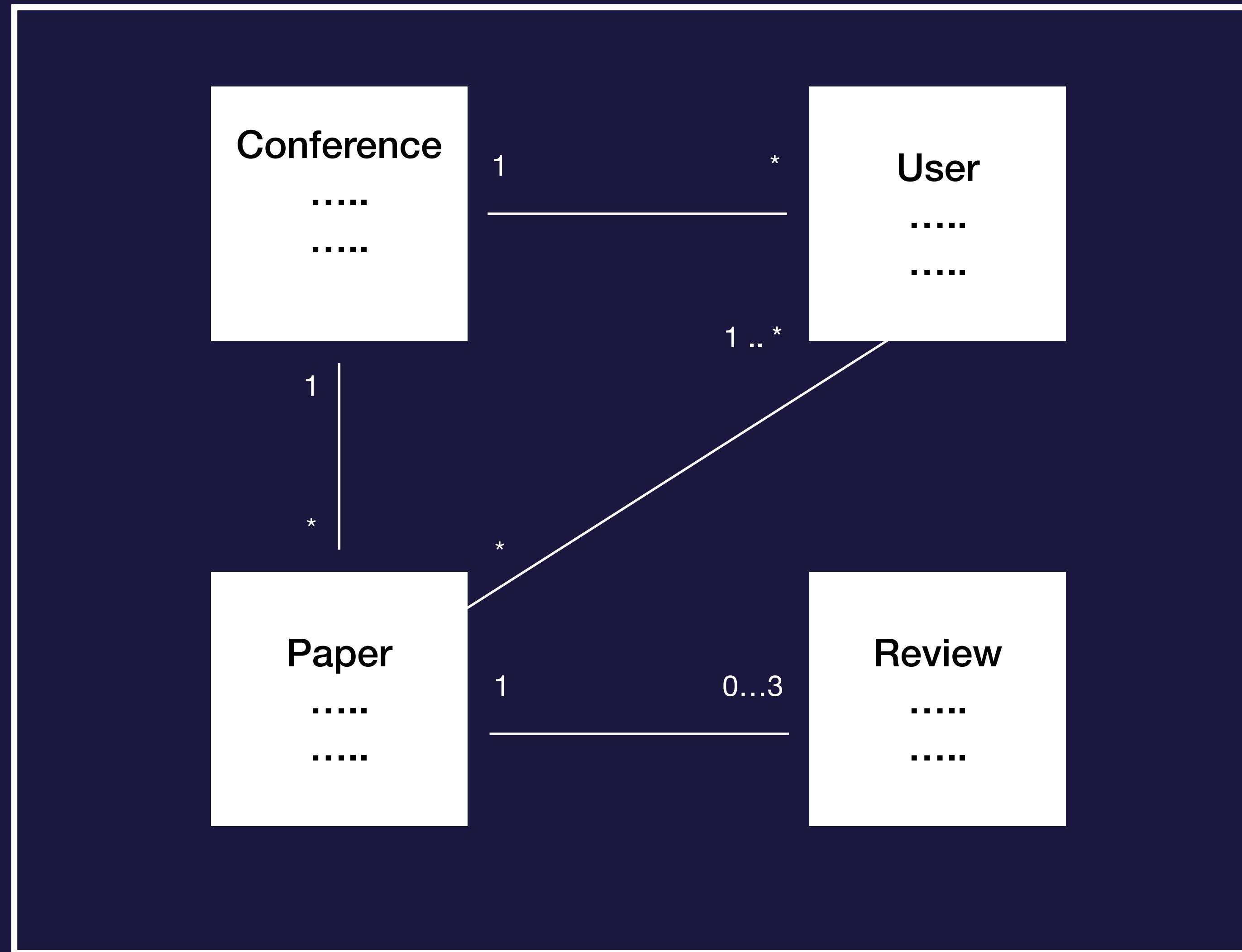


Content

The "online conference paper reviewing system" is a digital tool that helps authors submit their research papers for conferences and allows certain committee members to check and give feedback on these papers. It's like a meeting place where writers share their work and experts give it a thumbs up or down. The head of the committee can also decide which expert checks which paper and can see a list of papers that got the green light or were turned down. This tool makes the whole task of sharing and checking papers for conferences much smoother and organized.



Class diagram



We model to ..

Understand

Communicate

Document

“Modeling is aimed at providing a specification of a system to be built in a degree of detail sufficient for that system’s implementation”

The result is ..

“Modeling is aimed at providing a specification of a system to be built in a degree of detail sufficient for that system’s implementation”

>> Simple, Comprehensive Models

model :

[Overview](#)[Usage examples](#)[Pronunciation](#)[Similar and opposite words](#)

Similar and opposite words

From [Oxford Languages](#)

noun

1. [replica](#) [copy](#) [representation](#) [mock-up](#) [dummy](#) [imitation](#) [double](#)
[duplicate](#) [lookalike](#) [reproduction](#) [toy](#) [miniature](#) [facsimile](#) [artificial](#)

2. [prototype](#) [stereotype](#) [archetype](#) [type](#) [version](#) [style](#) [mould](#) [template](#)
[framework](#) [pattern](#) [design](#) [guide](#) [blueprint](#) [paradigm](#) [sample](#)

Feedback

[More similar and opposite words](#) ▾



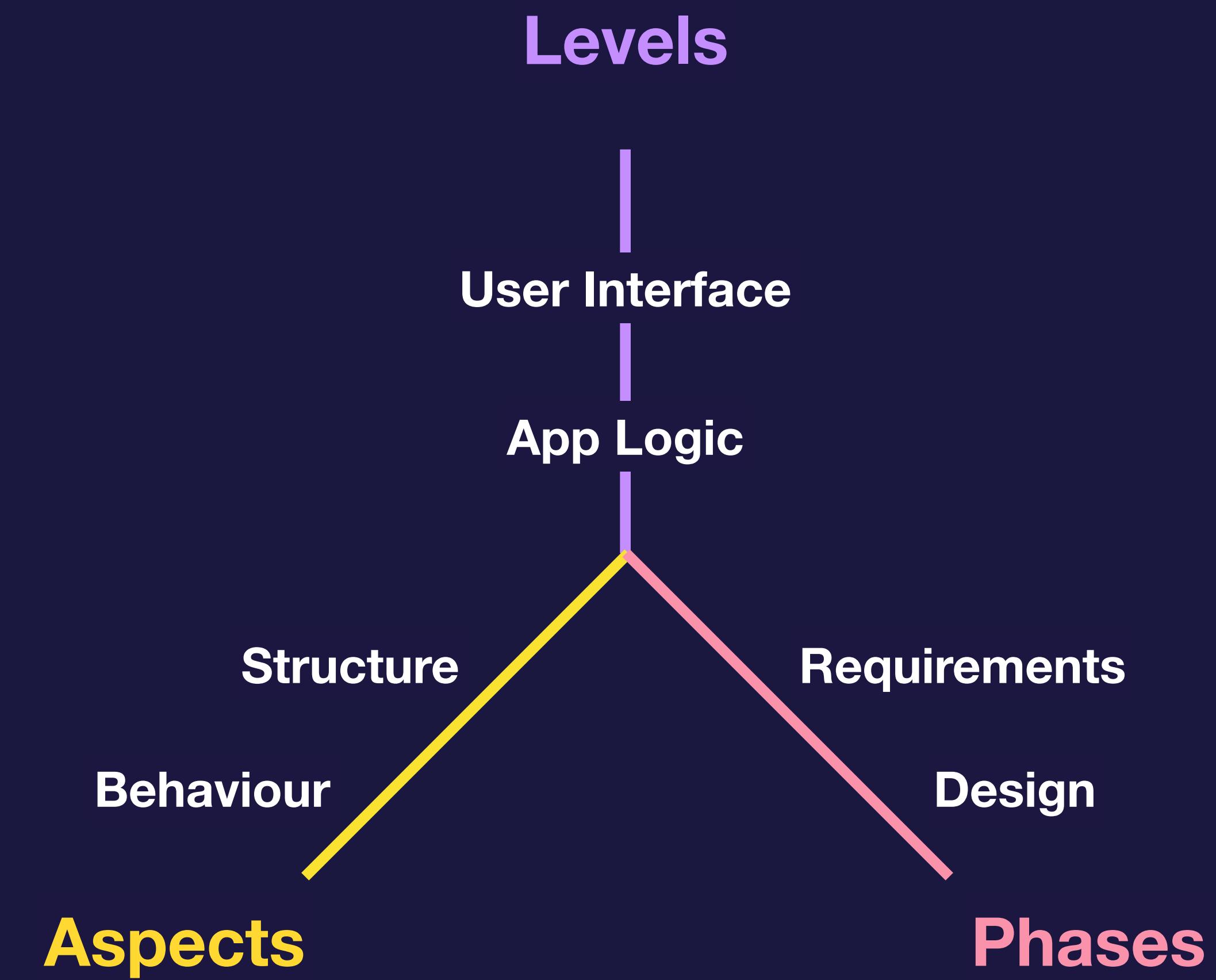
Discussion

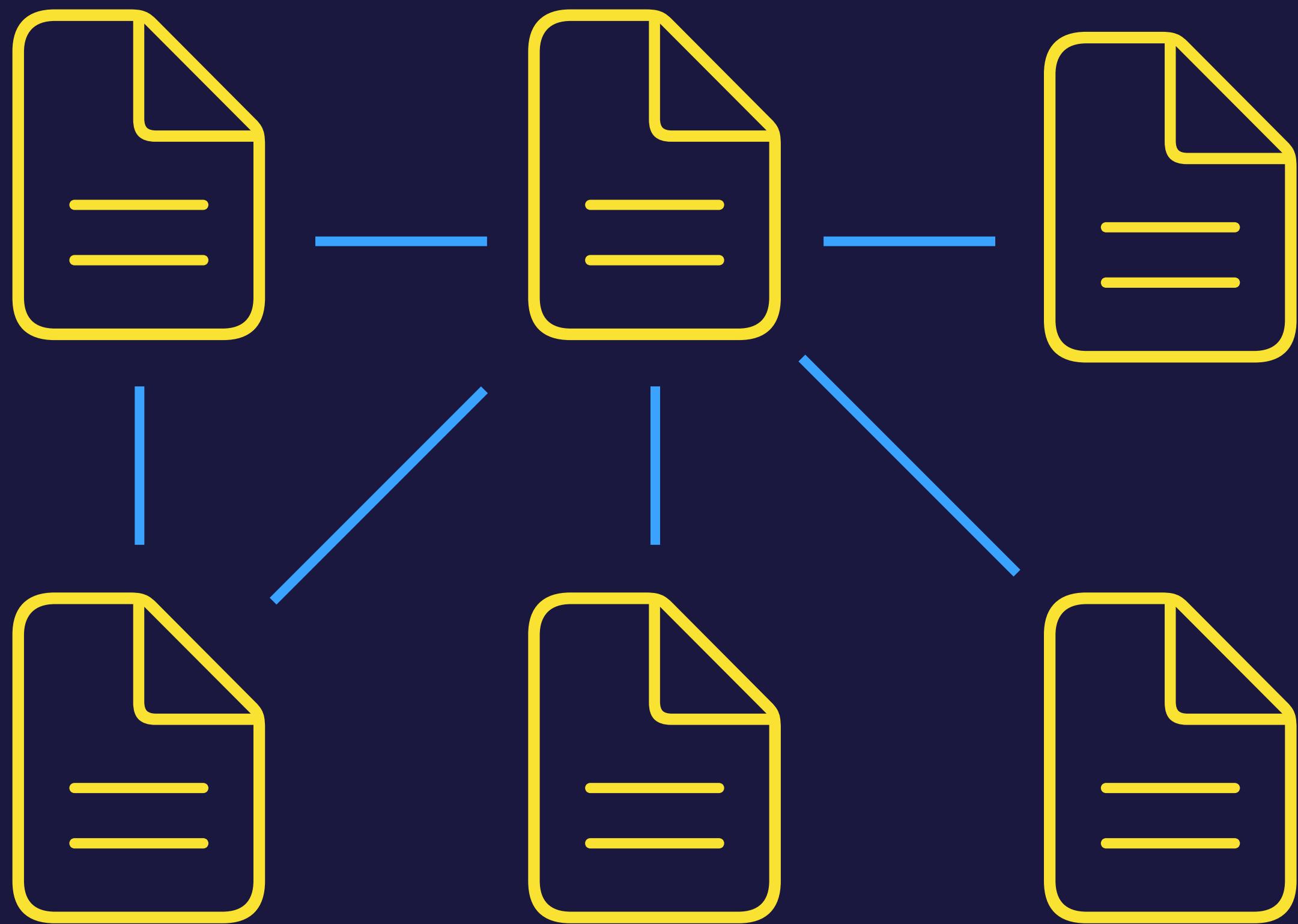
What aspects to model in any software application?

We need to model ..

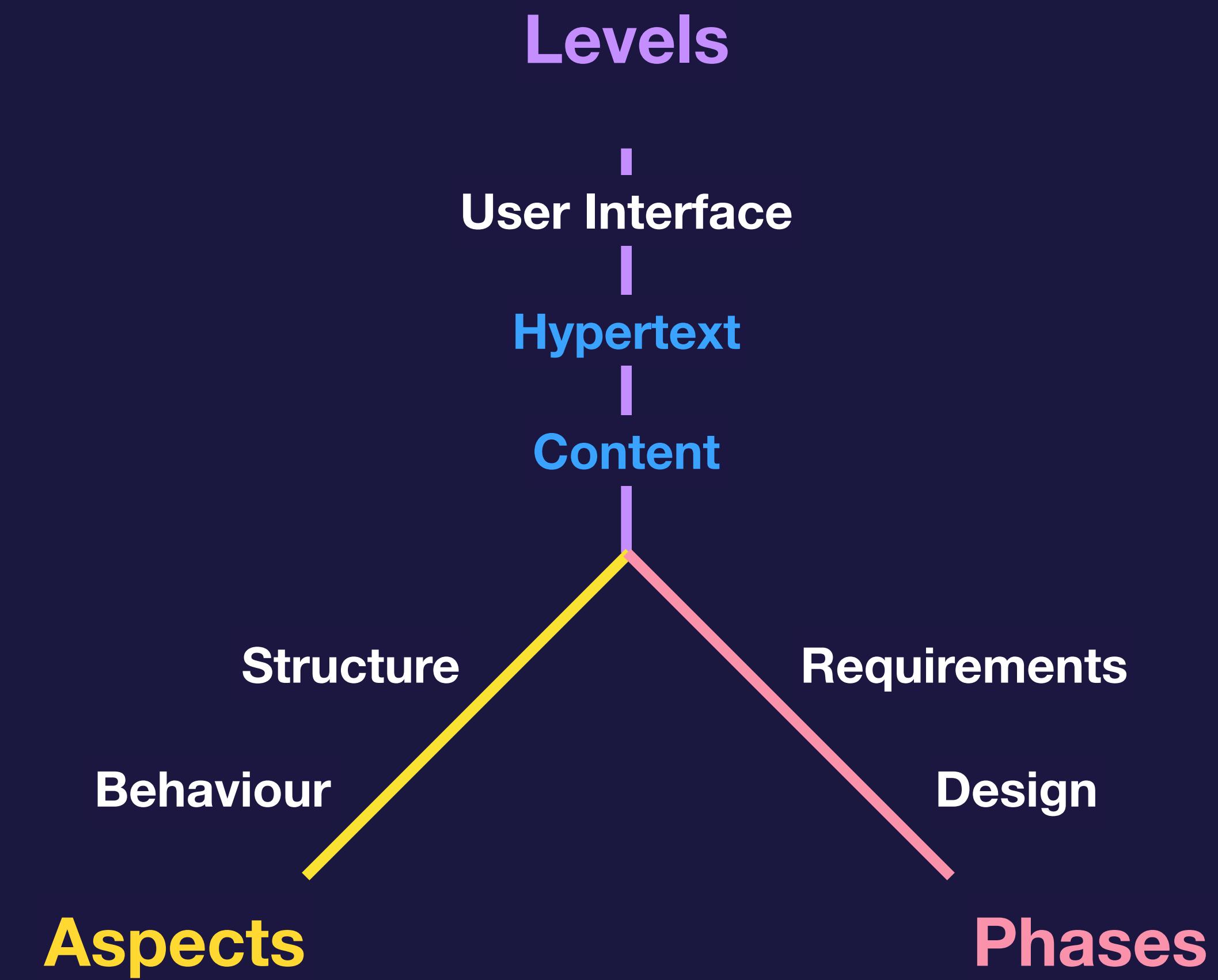
**The Structure & Behavior
For the App Logic & UI Levels
For the Requirements & Design phases**

Traditional Modeling Reqs



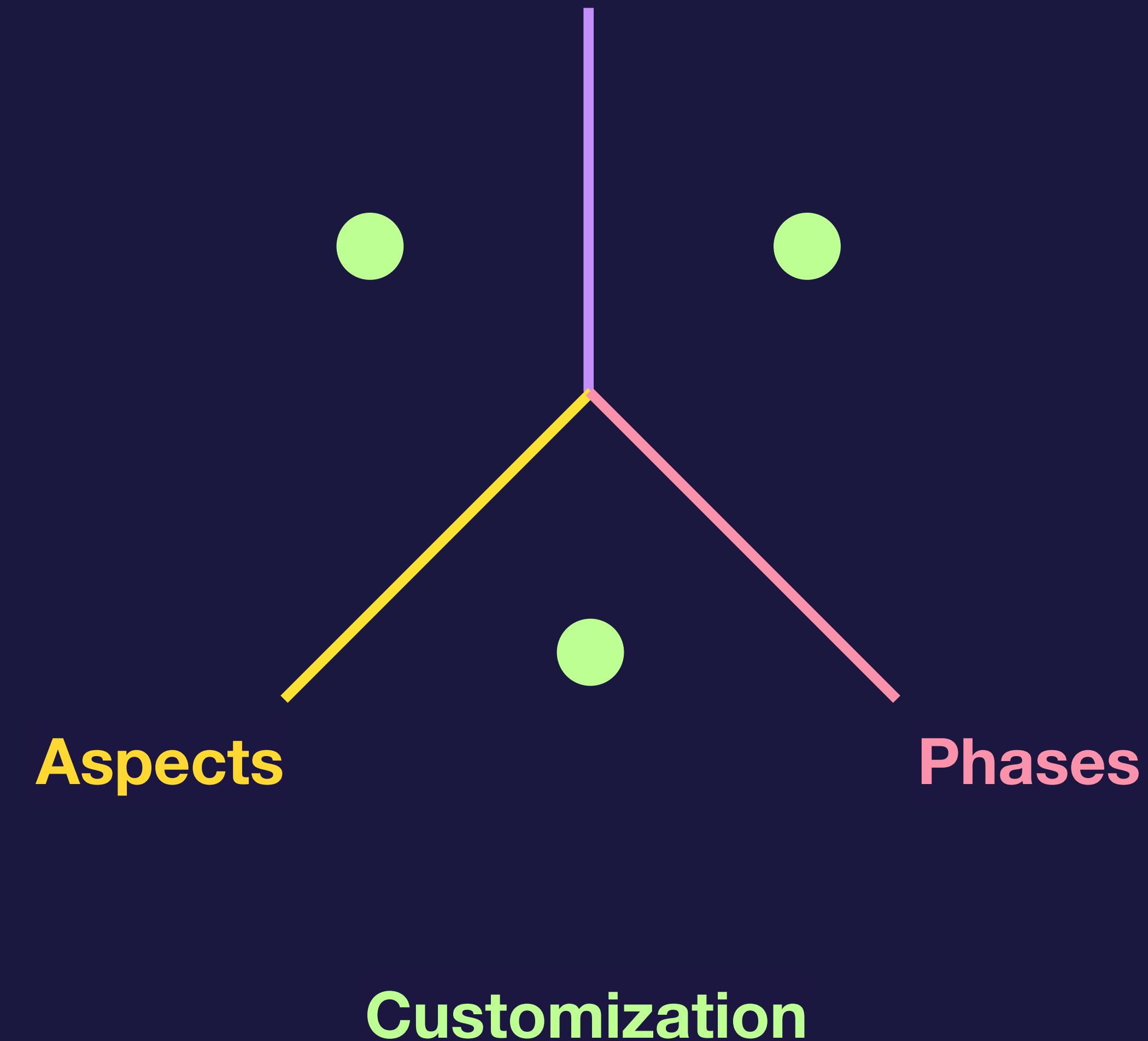


Web Apps Modeling Reqs



A fourth Dimension

Levels





UWE Supports ..

**Requirements
Modeling**

**Content
Modeling**

**Presentation
Modeling**

**Hypertext
Modeling**

UWE Supports ..

Requirements Modeling

Use Cases

Activity Diagram

Content Modeling

Presentation Modeling

Hypertext Modeling

**Submit
Paper**

**Browse
Papers**

Addition to use case

Submit
Paper

[**<<navigation>>**](#)
Browse Papers

UWE Supports ..

Requirements Modeling

Content Modeling

Presentation Modeling

Hypertext Modeling

Class Diagram

State Diagram

Interaction
Diagram

UWE Supports ..

**Requirements
Modeling**

**Content
Modeling**

**Presentation
Modeling**

**Hypertext
Modeling**

**Presentation
Diagram**

**Sequence
Diagram**

**Interaction
Diagram**

Presentation Diagram Notation

«page»

«presentation unit»

«ELEMENT»

text

button

anchor

...

«page»

PaperPage

«presentation unit»

Paper

«text»

PaperId

«text»

SubmissionDate

«text»

Title

«text»

Abstract

«button»

Submit Review

UWE Supports ..

**Requirements
Modeling**

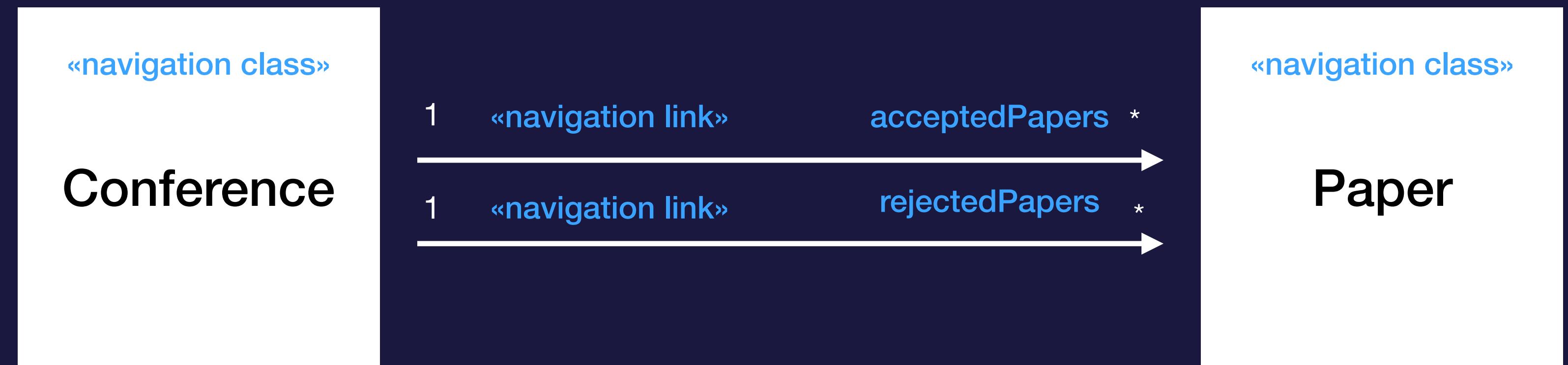
**Content
Modeling**

**Presentation
Modeling**

**Hypertext
Modeling**

Navigation
structure model

Access Model



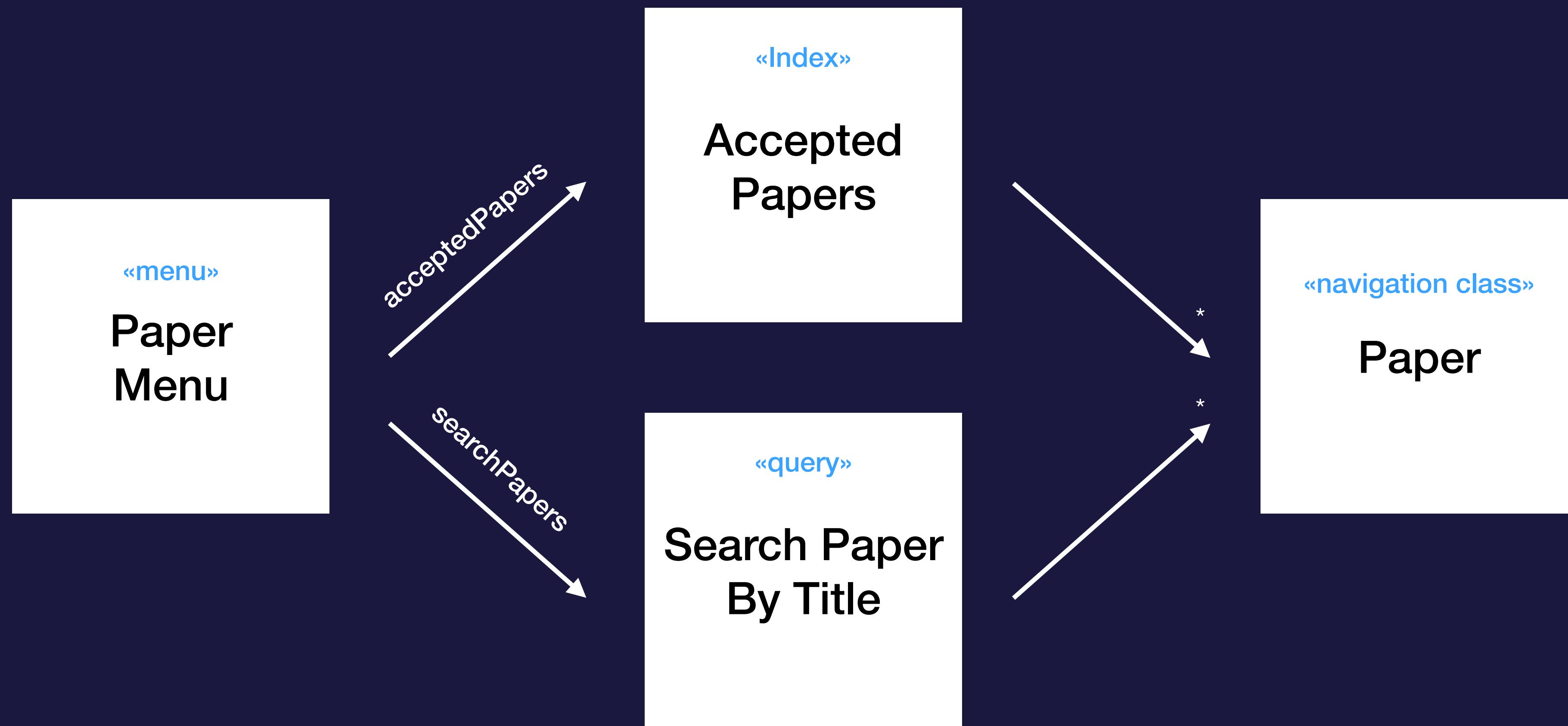
Access model notations

«menu»

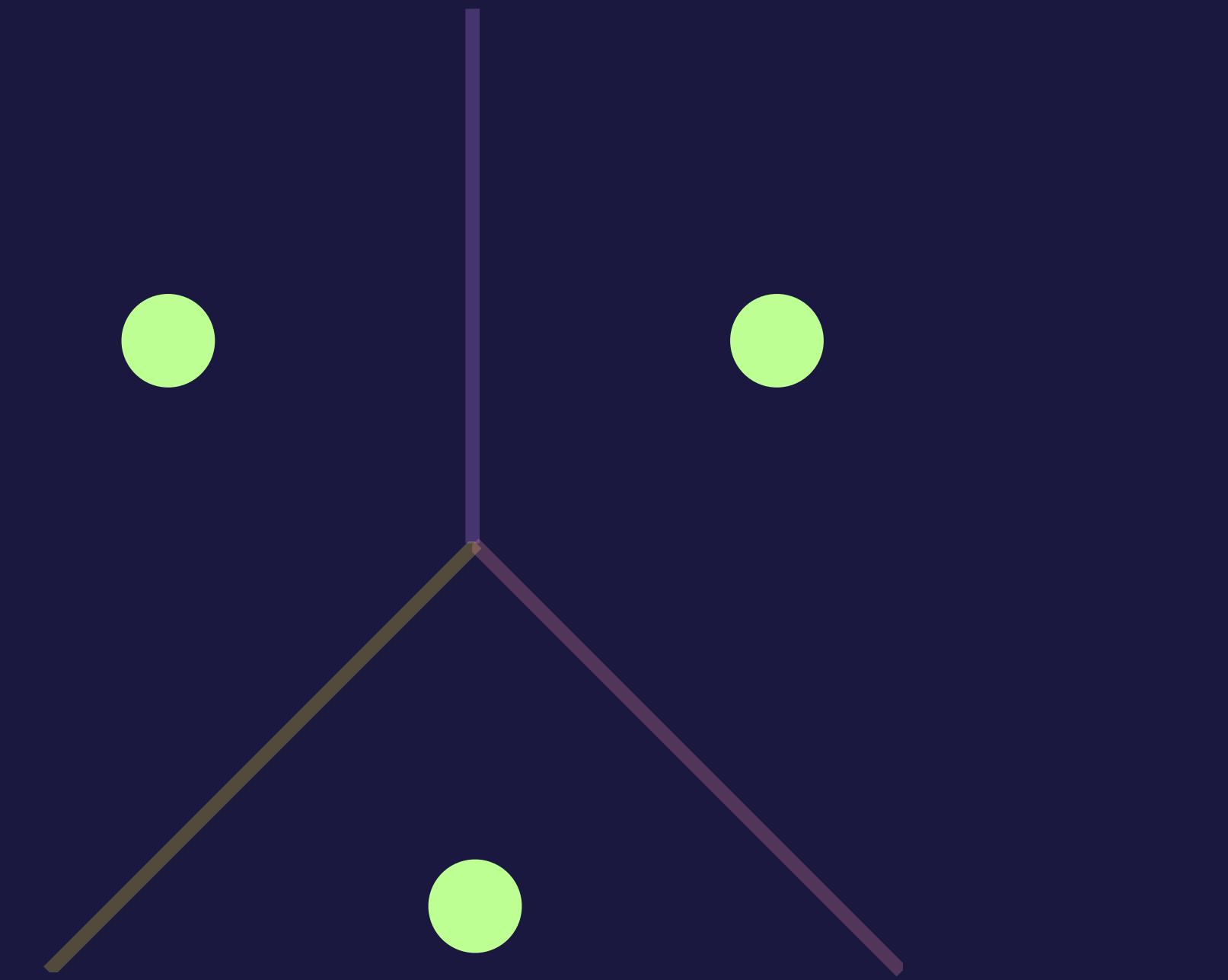
«Index»

«query»

«guided tour»



Levels



Customization

Customization documents context info

User Role GPS Bandwidth Device Profile . . .

«page»

PaperPage

«presentation unit»

Paper

«text»

PaperId

«text»

SubmissionDate

«text»

Title

«text»

Abstract

«button»

Submit Review

«customization»

Show for
“Reviewer” Only



Resource

Our Github Page > WebE Material

Web Engineering Material



Project Presentations

- What is the problem?
- Why do we need modeling
- What is modeling?
- How it is compared to SWE modeling
- What are the different types of modeling
- What to model ?
- UWE Modeling
 - Reqs Modeling
 - Functional & navigational
 - Use case diagrams & Activity
 - Content
 - Like data modeling (ER)
 - Class diagrams & State machine
 - Navigation
 - Basic navigational view
 - Aided with access models: nav & orientation
 - Presentation