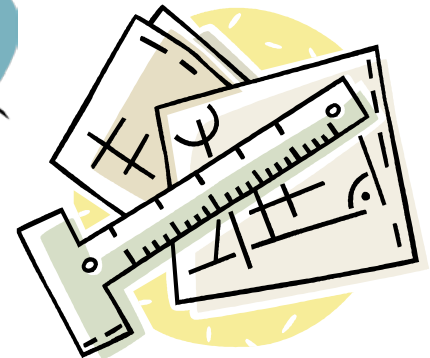


Introduction

- **Types of Models**
- **Basic Building Blocks**
- **Common Extensions**
- **Key Considerations**

Structural Modeling

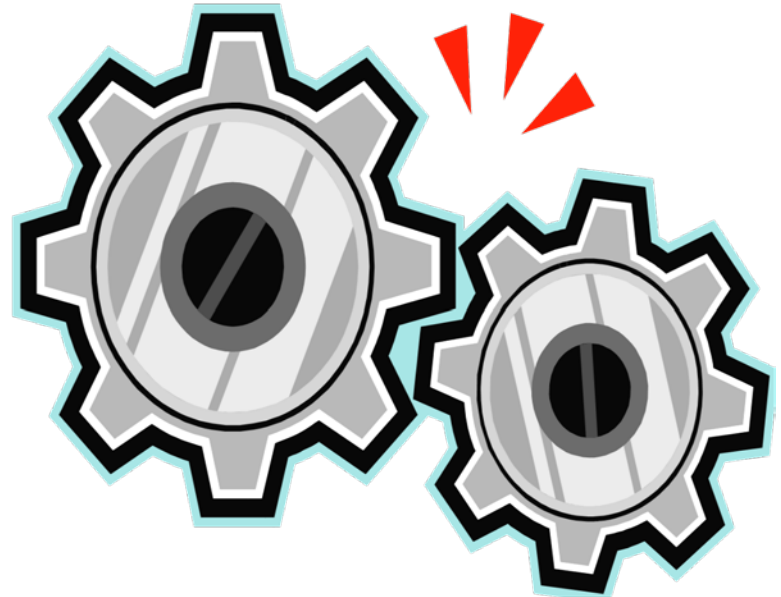
- **Things**
 - Physical
 - Conceptual
- **Static Parts**
- **Nouns**
- **Diagrams**
 - Class
 - Component
 - Package
 - Deployment



Behavioral Modeling

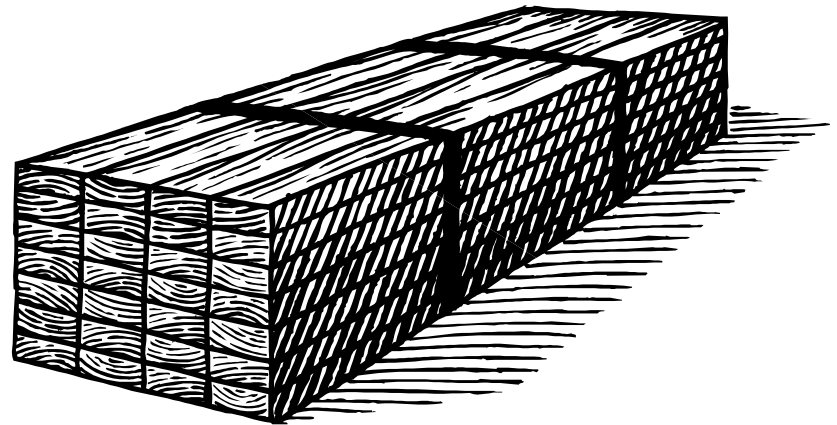
- **Functionality**
 - Processes
 - Interactions
- **Dynamic Parts**
- **Verbs**

- **Diagrams**
 - Use Case
 - Sequence
 - State
 - Activity

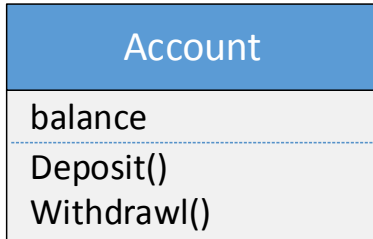


Building Blocks

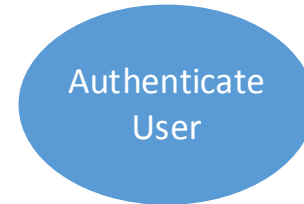
- Things
- Relationships



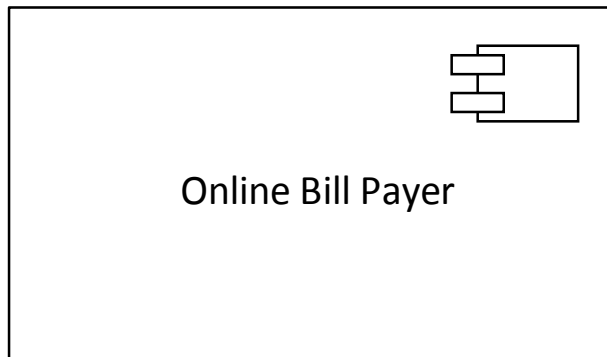
Things – “Boxes”



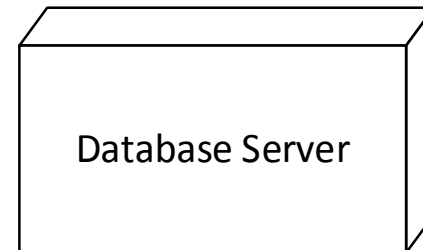
Class



Use Case



Component



Node

Things – “Messages and Actions”

————Message()————→

←-----Return-----

————AsynchronousMessage()————→

Scheduled

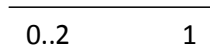
Messages

States

Submit
Application

Actions

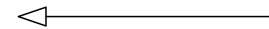
Relationships



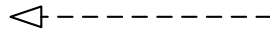
0..2 1

A horizontal line with the multiplicity '0..2' at the left end and '1' at the right end.

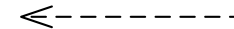
Association



Generalization



Implementation



Dependency

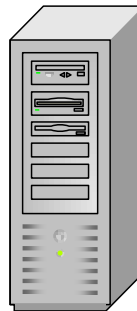
Common Extensions

Add a note to give
some details to the
association element
in a diagram

Annotations / Notes

<<Interface>>

Stereotype



Web Server

Iconic Stereotype

Key Considerations

- **Keep Diagram Clean**
 - Readable
 - Focused
 - Precise
- **Goals**
 - Visualize
 - Specify
 - Document
- **Keep the Audience in Mind**

Summary

- **Structural Modeling**
- **Behavioral Modeling**
- **Basic Building Blocks**
- **Common Extensions**
- **Key Considerations**