

# **HL7 v3 SAEAF Behavioral Framework reconciliation with the HL7 v3 Legacy Behavioral Framework**

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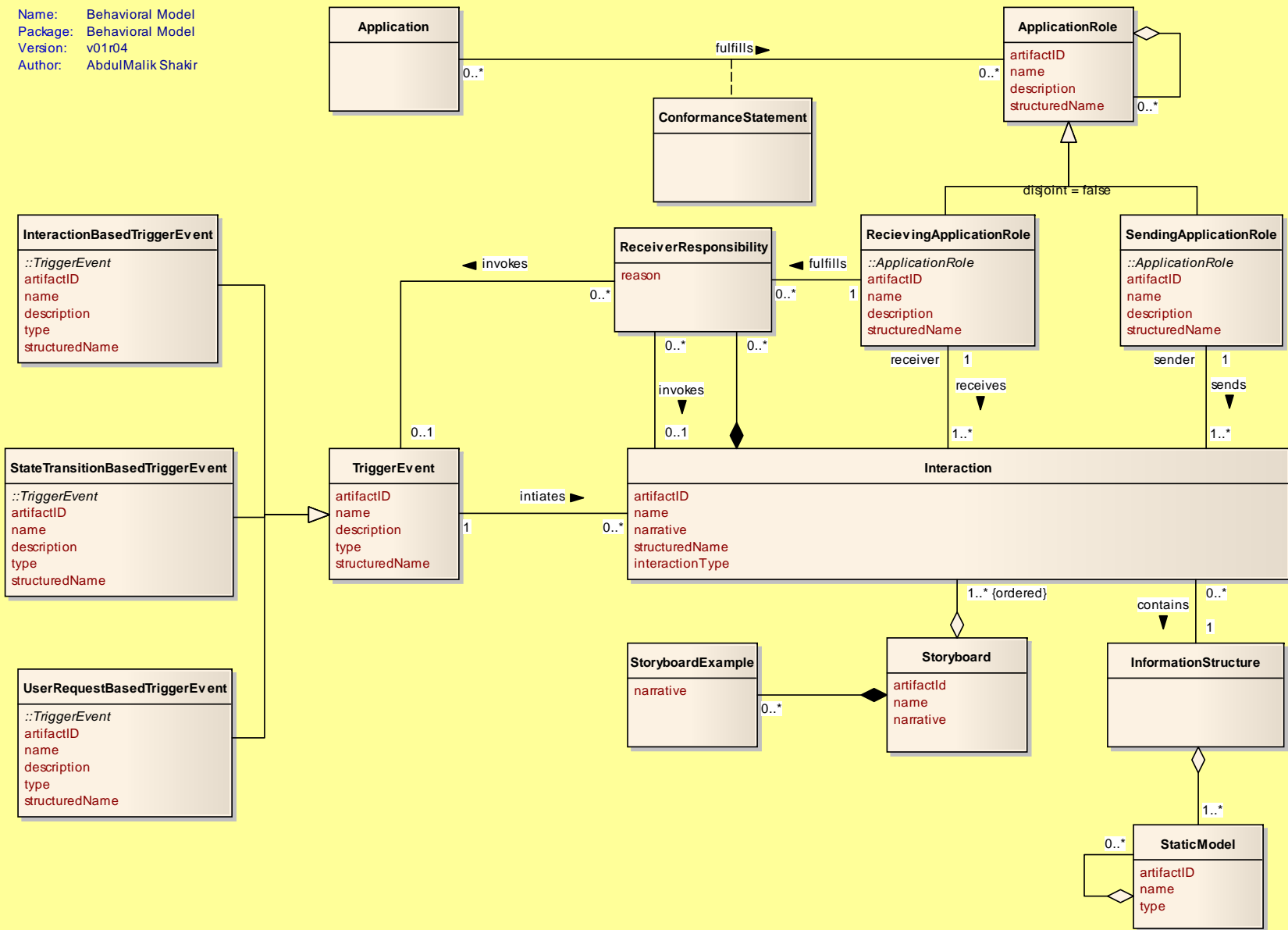
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# Legacy Behavioral Framework

class Behavioral Model

Name: Behavioral Model  
 Package: Behavioral Model  
 Version: v01r04  
 Author: AbdulMalik Shakir



# Legacy Behavioral Framework

## Major Concepts

- **Interaction:**
  - An interaction contains an information structure
  - The exchange of an interaction is initiated by a trigger event
  - An interaction may include one or more receiver responsibility
  - An interaction is exchanged between a sending application role and a receiving application role
- **Application Role:**
  - An application role is a sending application role, a receiving application role, or both
  - An application role may be fulfilled by one or more application
  - A sending application role sends one or more interactions
  - A receiving application role receives one or more interactions
  - A receiving application role fulfills one or more receiver responsibility
- **Receiver responsibility:**
  - A receiver responsibility invokes an interaction, trigger event or both.
  - A receiver responsibility is fulfilled by a receiving application role
- **Trigger Event:**
  - A trigger event is interaction based, state transition based, or user request based
  - A trigger event may initiate one or more interaction
- **Information Structure:**
  - An information structure is an aggregation of one or more static models
  - Static models may be nested within encompassing static models
- **Storyboard:**
  - A storyboard is an aggregation of one or more interactions
  - A storyboard may include one or more storyboard example
- **Application:**
  - An application may fulfill one or more application role
  - A conformance statement specifies the extent to which an application fulfills an application role

# Conceptual Mapping

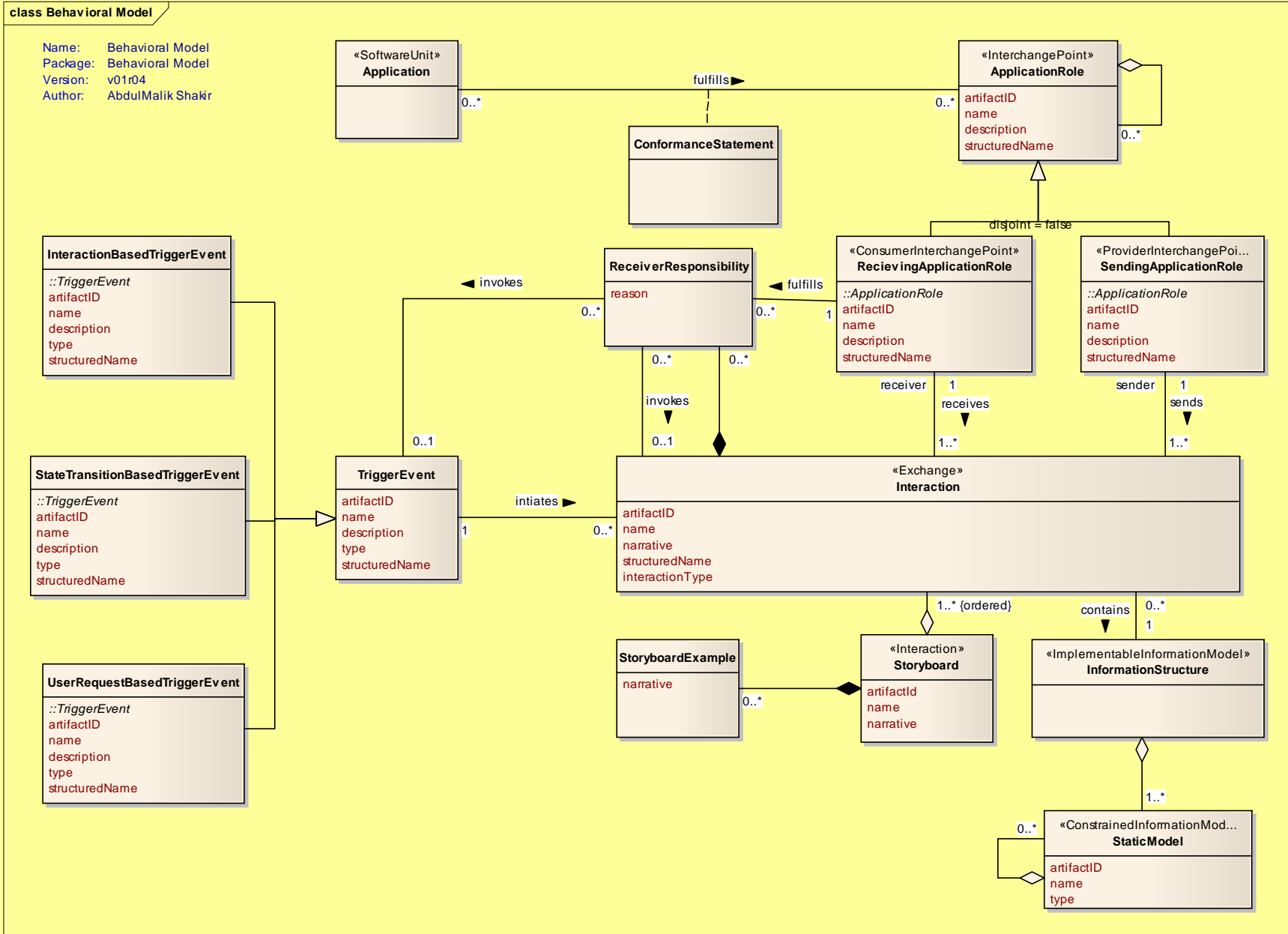
## Legacy Behavioral Framework

- Interaction
- Application Role
- Receiver Responsibility
- Trigger Event
- Information Structure
- Storyboard
- Application

## SAEAF Behavioral Framework

- Exchange
- Interchange Point
- (Uncertain)
- (Uncertain)
- Implementable Information Model
- Collaboration
- Software Unit

# Mapping Stereotypes



## Mapping Issues

- **Reconciliation:**
  - Interaction as aggregation not composition of one or more ordered Exchange
  - Implementable Information Model as payload of Exchange not use dependent of Interchange Point
- **Unresolved:**
  - Receiver Responsibility
  - Trigger Event
  - Conformance Statement
  - Storyboard Example
- **Potential Issues:**
  - Acknowledgements
  - Batch Messages
  - Broadcast Messages
  - Query / Response

## Questions / Comments

