DMN Method and Style Reference #1

Knowledge source – Policies, regulations, analytical models motivating the decision logic

Authority requirement – Link to a knowledge source

Decision – Output value is an expression of the inputs, either input data or supporting decisions.

Business knowledge model (BKM) – Reusable decision logic, invoked by decision

Amortizable fees

Monthly Payment

payment

Knowledge requirement – Invocation of a BKM, returning value to calling decision

Loan

downAmt

Purchase price

Input data – Source data values supplied to decision model upon execution

Information requirement – Designates an input to a decision. Only nodes connected by information requirements may be referenced in the decision logic
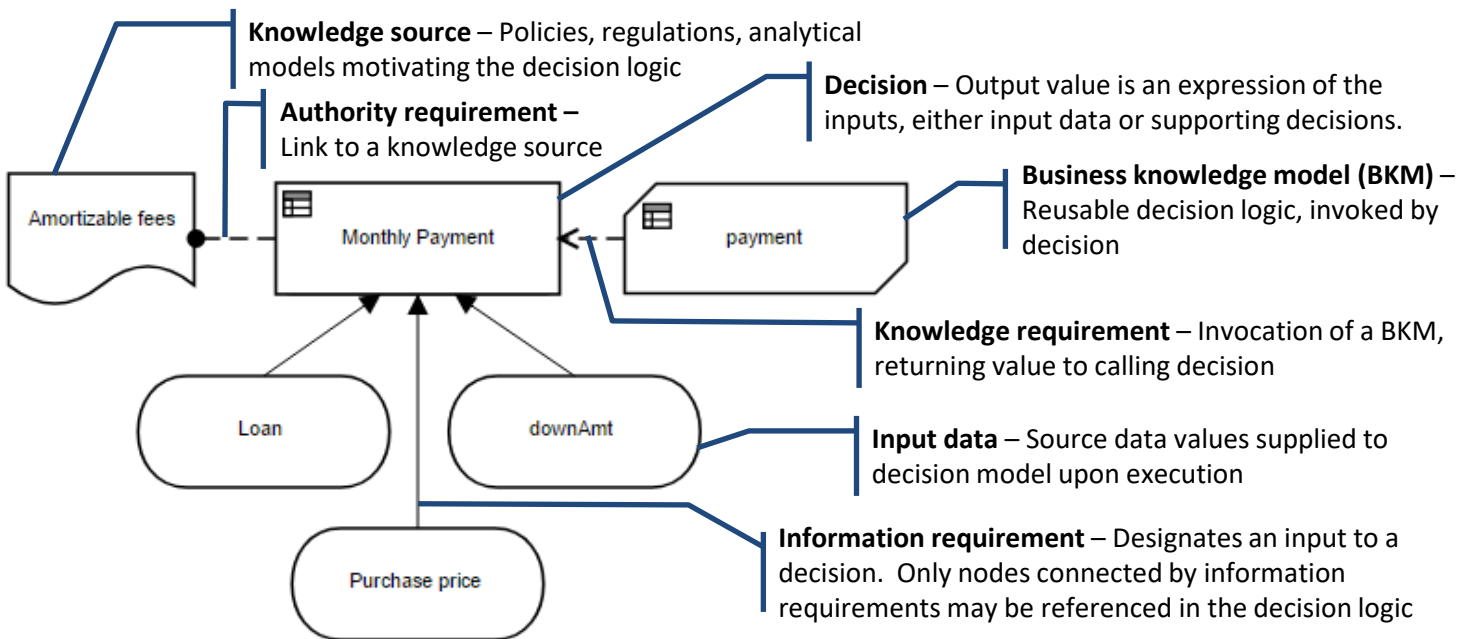
Decision Requirements Diagram (DRD)

Input – Must be an information requirement

Output – Same name as the decision

Hit policy – Output selection when multiple rules match

Datatype – Built-in or user-defined

Allowed values (optional) – Enumeration or numeric range

Hyphen – Input entry hyphen means this input is irrelevant in the rule

Rules – If all condition cells in a rule are true, the rule "matches" and its output entry is selected

Output entry – Value selected if the rule matches. May be any FEEL expression

Input entry – Conditional test on an input in a rule. Limited to simple "unary tests"

U	Credit Score	DTI	Loan Approval
	tCreditScore [300..850]	Number	tLoanApproval "Approved", "Declined"
1	<600	-	"Declined"
2	[600..660]	>=0.35	"Declined"
3		<0.35	"Approved"
4	>660	>=0.38	"Declined"
5		<0.38	"Approved"

Decision Table