Ontology Model	Namespace	Vocabulary	Type	Description†
Behavior	bh	Event	Ontology Class	represents a runtime behavior; the superclass of all concrete events
Time	t	*startsAt*	Datatype Property	links an Event to the timepoint it starts
		endsAt	Datatype Property	links an Event to the timepoint it ends
StaticBehavior	sbh	Event	Ontology Class	represents a behavior; the superclass of all concrete events
		eventContext	Object Property	links an Event to the context where the event occurs
Pattern	ptn	DesignPattern	Ontology Class	the superclass of all concrete design patterns
		DPElement	Ontology Class	the elements, i.e. roles and operations, that compose a design pattern
		containsOper	Object Property	links a DesignPattern to its operation
		containsRole	Object Property	links a DesignPattern to its role
		hasRole	Annotation Property	links a concrete DesignPattern ontology class to a concrete DPElement ontology class that represents its key role
Java	java	Array	Ontology Class	array type, e.g. String[]
		Class	Ontology Class	Java class
		AbstractClass	Ontology Class	abstract class
		NormalClass	Ontology Class	non-abstract class
		Enum	Ontology Class	enumeration type
		Expression	Ontology Class	expression
		Field	Ontology Class	class field
		Interface	Ontology Class	interface
		Method	Ontology Class	method
		AbstractMethod	Ontology Class	abstract method
		NormalMethod	Ontology Class	non-abstract method
		Missing	Ontology Class	unsolved types
		Package	Ontology Class	package
		LocalPackage	Ontology Class	the package created by the project
		RemotePackage	Ontology Class	the package in imported libraries
		Param	Ontology Class	the parameter of a method
		Primitive	Ontology Class	primitive types, e.g. char, boolean
		Statement	Ontology Class	statement
		Type	Ontology Class	the concept of Java type
		TypeParam	Ontology Class	type parameter, e.g. the <E> of ArrayList<E>
		Variable	Ontology Class	variable
		acquaints	Object Property	acquaintance relationships
		aggregates	Object Property	links a Class/Interface to the one it aggregates
		arrayOf	Object Property	links an Array to its type
		containsVar	Object Property	links a Method to the Variable it contains
		variableContainedIn	Object Property	inverse of *containsVar*
		containsVarType	Object Property	links a Method to the type of the Variable declared in its body
		declaredIn	Object Property	inverse of *containsVarType*
		dependsOn	Object Property	dependency relationships of compilation units
		extends	Object Property	a Class/Interface extends another Class/Interface
		fieldTypeIs	Object Property	links a Field to its type
		hasDimension	Object Property	links an Array to its dimension
		hasField	Object Property	links a Class/Interface to a Field of it
		fieldIn	Object Property	inverse of *hasField*
		hasFieldType	Object Property	links a Class/Interface to the type of its Field
		hasInnerClass	Object Property	links a Class to its inner Class
		outerClass	Object Property	inverse of *hasInnerClass*
		hasInnerInterface	Object Property	links an Interface to its inner Interface
		hasMethod	Object Property	links a Class/Interface to a Method of it
		methodIn	Object Property	inverse of *hasMethod*
		hasParam	Object Property	links a Method to a Parameter of it
		paramIn	Object Property	inverse of *hasParam*
		hasParamType	Object Property	links a Method to the type of its Parameter
		hasTypeArg	Object Property	links a Field to its type argument
		hasTypeBound	Object Property	links a TypeParam to its type bound (e.g. the Type in the type parameter <E extends Type>)
		hasTypeParam	Object Property	links a Class/Interface to its TypeParam
		implements	Object Property	a Class implements an Interface
		inherits	Object Property	transitive inheritance relationships of Class/Interface individuals
		inheritsMethod	Object Property	links a Class/Interface to the Method it inherits from its parent
		inPackage	Object Property	links a Class/Interface to its declaring Package
		isA	Object Property	up-casting relationships of Class/Interface individuals
		isEA	Object Property	same as *isA* except that *isEA* also links an individual to itself
		missingProperty	Object Property	unsolved properties
		overloads	Object Property	links a Method to the one it overloads
		overrides	Object Property	links a Method to the one it overrides
		paramTypeIs	Object Property	links a Parameter to its type
		realizes	Object Property	transitive realization relationships of Class/Interface individuals
		refers	Object Property	reference relationships of Class/Interface individuals
		returnTypeIs	Object Property	links a Method to its return type
		variableType	Object Property	links a Variable to its type
		hasModifier	Datatype Property	links to the string modifier
		isConstructor	Datatype Property	links to true/false to identify whether a method is a constructor
		isInLocalPackage	Datatype Property	links to true/false to identify whether a Class/Interface/Enum is in LocalPackage
		isInLoop	Datatype Property	indicates whether an expression is within a for/while block
		isParamInConditionalExp	Datatype Property	links a method to true (false) if one of its parameters appears (does appear) in conditional expressions of "if" and "while" statements
		localNameIs	Datatype Property	links an individual to its local name
		methodSig	Datatype Property	links a Method to its signature
		returnExp	Datatype Property	links a Method to its return expression
Java.StaticBehavior	jsbh	Assignment	Ontology Class	assignment event
		ClassInstantiation	Ontology Class	class instantiation event
		FieldInitiation	Ontology Class	field initiation event
		MethodInvocation	Ontology Class	method invocation event
		callsMethod	Object Property	links a Method to the Method it calls
		containsExp	Object Property	links a Method to the expression it contains
		instantiatesClass	Object Property	links a Method to the instantiated Class inside the method's body
		instedClass	Object Property	links a ClassInstantiation event to the instantiated Class
		methodCalled	Object Property	links a MethodCall event to the Method called
		methodCaller	Object Property	links a MethodCall event to the caller Method
		fieldIniter	Datatype Property	links a Field to its instantiation expression
		hasArg	Datatype Property	links a MethodInvocation to the argument that passes to the method
		invocExp	Datatype Property	links a MethodInvocation to the expression that invokes the method
		leftExp	Datatype Property	links an Assignment to its left expression
		rightExp	Datatype Property	links an Assignment to its right expression
Java.Behavior	jbh	FieldAccess	Ontology Class	field access event
		FieldModi	Ontology Class	field modification event
		MethodCall	Ontology Class	method invocation event
		ObjectAlloc	Ontology Class	object allocation event
		ThreadStart	Ontology Class	thread start event
		ThreadEnd	Ontology Class	thread end event
		accessedField	Object Property	links a FieldAccess event to the Field accessed
		fieldAccMethod	Object Property	links a FieldAccess event to the Method in which the event happens
		methodCalled	Object Property	links a MethodCall event to the Method called
		methodCaller	Object Property	links a MethodCall event to the Method caller
		modifiedField	Object Property	links a FieldModi event to the Field modified
		isInit	Datatype Property	links a MethodCall event to true if the method called is a constructor for instance, and non-static field initialization.
		isClinit	Datatype Property	links a MethodCall event to true if the method called is a constructor for the class, and static field initialization.
		objTag	Datatype Property	links to a globally unique tag of an object
		ownerObjTag	Datatype Property	links to a globally unique object tag of a field object
		paramObjTag	Datatype Property	links to a globally unique object tag of a parameter

†In the description, "an Interface" means an individual whose type is Interface or a subclass of Interface, so does similar expressions.
The other 113 vocabularies are not listed here for brevity, including 23 concrete design patterns (subclasses of DesignPattern) and 90 concrete design pattern elements (subclasses of DPElement).
Please refer to the ontologies in the "Static Facts" directory.