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## LOOPSMIXIN

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### INTRODUCTION

LOOPSMIXIN defines several small classes that can be mixed into your application classes. It also defines the class **Perspective** and its support classes, which are used in the implementation of Xerox LOOPS Rules. Perspectives allow you to view one object as having more than one class at a time; they have not been tested extensively outside of Rules and are known to have major bugs which don't affect Rules, so they are not documented here.

### LOOPSMIXIN Classes

**DatedObject** - Defines the instance variables **created** and **creator** which are set at object creation time to the values of (DATE) and (USERNAME).

**NamedObject** - Defines the instance variable **name** and initializes it to an ActiveValue that insures that the Xerox LOOPS system name for the containing object is uniquely name; i.e. storing a name for the object in **name** causes the previous name for the object to be removed with **DeleteObjectName** and the new name for the object to be asserted with **NameEntity**.

**GlobalNamedObject** - A subclass of **NamedObject** that works the same way as **NamedObject**.

**ListMetaClass** - Specializes the **New** and **DestroyInstance** methods to keep a list of all instances of that class in the class property **AllInstances** for that class.

**StrucMeta** - A MetaClass useful for creating new classes. Specializes the **New** method to create a Class object by copying the instance variable and class variable descriptions of the current class. Class variables with a non-NIL Local property will not be copied.

**TempClass** - Specializes the **New** method to always create objects of this class using the **NewTemp** method, insuring that the objects will be temporary objects.

**Perspective, Node, Template, TextItem** - These classes are used in Xerox LOOPS Rules.

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