

Initiater +toString():String #event:Predicate #fluent:Predicate #fluent:Predicate #fluent:Predicate #fluent:Predicate #fluent():Predicate +getEvent():Predicate +getFluent():Predicate +getGroundFluent(event:Predicate):Predicate Terminater +toString():String

Predicate

-name:String
-variables:String[]

+getName():String

+toString():String

+getVariables():String[]

+setVariables(variables:String[]):void +setVariable(variable:String):void +hasFreeVariables():boolean +getFreeVariables():Stack<Integer> +equals(otherPredicate:Predicate):boolean

Database

- -database:HashMap<String,
 ArrayList<Predicate>>
 -initiaters:HashMap<String,
 ArrayList<Initiater>>
 -terminaters:HashMap<String,
 ArrayList<Terminater>>
 -_instance:Database

 -Database()
 -Database(initialDB,iinit,iterm)
 +_getInstance():Database
 +_getInstance(initialDB,iinit,iterm):Data
- base +updates(events:Stack<Predicate>):voi
- +updates(events:Stack<Predicate>):vod