

File created: 18-Jul-88 19:21:28 {POGO: AISNORTH: XEROX}<LOOPSCORE>TRUCKIN>PLAYERS>FIXRULES.;3

changes to: (FNS CONVERT-RULES MANUAL-CONVERT-RULES)  
(VARS FIXRULESCOMS)

previous date: 12-Jul-88 23:16:38 {POGO: AISNORTH: XEROX}<LOOPSCORE>TRUCKIN>FIXRULES.;1

Read Table: XCL

Package: INTERLISP

Format: XCCS

; Copyright (c) 1988 by Xerox Corporation. All rights reserved.

(RPAQQ FIXRULESCOMS ((FNS CONVERT-RULES MANUAL-CONVERT-RULES |NoticeMethodChanged|)))

(DEFINEQ

(CONVERT-RULES

(LAMBDA (|file|) ; Edited 15-Jul-88 15:46 by jrb:

(LET\* ((|methods| (FILECOMSLST |file| 'METHODS))  
(|instances| (CL:SET-DIFFERENCE (FILECOMSLST |file| 'INSTANCES)  
|methods|))  
|badrules| \m |rs| |rsname|))

:: (className (CAR (FILECOMSLST file 'CLASSES))) (ruletail (CONCAT className "Rules"))

;;; Special-purpose hack to convert Truckin rules. Truckin's rules are of this form:

;;; (Method ((Player.RuleSet) self) (PlayerRuleSetRules self))

;;; where PlayerRuleSetRules is a RuleSet. We want the RuleSet to be Player.RuleSet, so when we run into one of these, we have to switch stuff  
;;; around and recompile the ruleset

(|for| |mname| |in| |methods| |bind| |className|  
|do| (SETQ \m (\$! |mname|))  
(SETQ |className| (@ \m |className|))  
(|if| (AND (SETQ |rsname| (|GetValue| \m ' |method| ' |RuleSet|))  
(CL:SYMBOLP |rsname|)  
(SETQ |rs| (\$! |rsname|))  
(\_ |rs| |InstOf| (\$ |RuleSet|)))  
|then| (SETQ |instances| (CL:REMOVE |rsname| |instances|))  
(DELFROMFILE |rsname| 'INSTANCES |file|)  
(DELFROMFILE |rsname| 'FNS |file|)  
(LET ((|selector| (@ \m |selector|))  
|news|)  
(\_ (\$! (@ \m |className|))  
|Delete|  
' |Method|  
(@ \m |selector|)  
T)  
(SETQ |news| (\_ (\$ |RuleSet|)  
|New| NIL |mname|))  
(\_@  
|news| |className| |className|)  
(\_@  
|news| |workSpace| |className|)  
(\_@  
|news| |selector| |selector|)  
(\_@  
|news| |method:,RuleSet| |news|)  
(\_@  
|news| |tempVars| (@ |rs| |tempVars|))  
(\_@  
|news| |taskVars| (@ |rs| |taskVars|))  
(\_@  
|news| |debugVars| (@ |rs| |debugVars|))  
(SETQ |rsRuleClass| (@ |news| |ruleClass|))  
(SETQ |ruleSetSource| (\_ |news| |GetPersp| ' |Source|))  
(|SaveRules| |ruleSetSource| |news| (\_ (\_ |rs| |GetPersp| ' |Source|)  
|GetSource|))  
(ADDTOTFILE |mname| 'METHODS |file|)  
(\_ |news| |CompileRules|)  
(|if| |parseErrorFlg|  
|then| (|push| |badrules| |mname|))))))  
(|for| |className| |in| (FILECOMSLST |file| 'CLASSES) |bind| |ruletail|  
|do| (SETQ |ruletail| (CONCAT |className| "Rules"))  
(|for| |rsname| |in| |instances| |bind| |mname| |when| (STRPOS |ruletail| |rsname|)  
|do| (LET ((|selector| (MKATOM (SUBSTRING |rsname| 1 (SUB1 (STRPOS |ruletail| |rsname|)))))  
|news|)  
(SETQ |mname| (PACK\* |className| "." |selector|))  
(SETQ |rs| (\$! |rsname|))  
(CL:FORMAT T "Hack-converting ~A to ~A~%" |rsname| |mname|)  
(SETQ |news| (\_ (\$ |RuleSet|  
|New| NIL |mname|))  
(\_@  
|news| |className| |className|))

```

      (@
      |news| |workSpace| |className|)
      (@
      |news| |selector| |selector|)
      (@
      |news| |method:,RuleSet| |news|)
      (@
      |news| |tempVars| (@ |rs| |tempVars|))
      (@
      |news| |taskVars| (@ |rs| |taskVars|))
      (@
      |news| |debugVars| (@ |rs| |debugVars|))
      (SETQ |rsRuleClass| (@ |news| |ruleClass|))
      (SETQ |ruleSetSource| (_ |news| |GetPersp| ' |Source|))
      (|SaveRules| |ruleSetSource| |news| (_ (_ |rs| |GetPersp| ' |Source|)
      |GetSource|))

      (ADDTOTFILE |mname| 'METHODS |file|)
      (SETQ |instances| (CL:REMOVE |rsname| |instances|))
      (DELFROMFILE |rsname| 'INSTANCES |file|)
      (DELFROMFILE |rsname| 'FNS |file|)
      (_ |news| |CompileRules|)
      (|if| |parseErrorFlg|
      |then| (|push| |badrules| |mname|))))
(|if| (|for| \i |in| |instances| |thereis| (_ ($! \i)
      |InstOf|
      ($ |RuleSet|)))
      |then| (CL:FORMAT *ERROR-OUTPUT* "There are unconverted RuleSets on file ~A~%" |file|))
(|if| |badrules|
      |then| (CL:FORMAT *ERROR-OUTPUT* "The following rule sets did not compile and are not installed as
      methods~%"
      (CL:FORMAT *ERROR-OUTPUT* "To edit them, do:~%(_ ($ <method-name>) ER)" )
      |badrules|))))

```

**MANUAL-CONVERT-RULES**

(LAMBDA (|file| |rsname| |className| |selector|) ; Edited 15-Jul-88 16:55 by jrb:

```

      (LET (|news| (|mname| (PACK* |className| "." |selector|)))
      (SETQ |rs| ($! |rsname|))
      (CL:FORMAT T "Hack-converting ~A to ~A~%" |rsname| |mname|)
      (SETQ |news| (_ ($ |RuleSet|)
      |New| NIL |mname|))

      (@
      |news| |className| |className|)
      (@
      |news| |workSpace| |className|)
      (@
      |news| |selector| |selector|)
      (@
      |news| |method:,RuleSet| |news|)
      (@
      |news| |tempVars| (@ |rs| |tempVars|))
      (@
      |news| |taskVars| (@ |rs| |taskVars|))
      (@
      |news| |debugVars| (@ |rs| |debugVars|))
      (SETQ |rsRuleClass| (@ |news| |ruleClass|))
      (SETQ |ruleSetSource| (_ |news| |GetPersp| ' |Source|))
      (|SaveRules| |ruleSetSource| |news| (_ (_ |rs| |GetPersp| ' |Source|)
      |GetSource|))

      (ADDTOTFILE |mname| 'METHODS |file|)
      (DELFROMFILE |rsname| 'INSTANCES |file|)
      (DELFROMFILE |rsname| 'FNS |file|)
      (_ |news| |CompileRules|)))

```

**(|NoticeMethodChanged|**

(LAMBDA (|name| |type| |reason|)

; Edited 11-Jul-88 21:31 by jrb:

;;; The method has changed.

; Patch up the comment in the method object

```

      (LET ((|methObj| ($! |name|)))
      (COND
      ((AND |methObj| (NOT (|\\Loading-File?|))
      (NOT (MEMB |reason| ' (LOAD DELETED)))
      (@ |methObj| |className|)
      ($! (@ |methObj| |className|))
      (@ |methObj| |selector|))
      (_ ($! (@ |methObj| |className|))
      |CommentMethods|
      (@ |methObj| |selector|)
      T))))

```

; Tell MasterScope that the function has changed.

;; JRB - No longer necessary for Lyric - Masterscope analyzes the METHOD-FNS directly. (MSMARKCHANGED name 'FNS reason)

))

)

{MEDLEY}<loops>truckin>players>FIXRULES.;1

Page 3

(PUTPROPS **FIXRULES COPYRIGHT** ("Xerox Corporation" 1988))

---

FUNCTION INDEX

CONVERT-RULES .....1      MANUAL-CONVERT-RULES .....2      |NoticeMethodChanged| .....2

---