JRL programming QuickStart Revision 09/09/99

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See the file eagle.erl for examples of JFRED programming.

Rule Types:

action:

<response template>

The action rule contains the reply text and may be in the form of

an optional list of URL's that are rendered as links in some fashion,

AND \*one\* of a series of text responses that may contain embedded html

code.

The action rule, when selected, shows all of the URL's listed, and picks

the text replies in numerical order, with the beginning text for each

action being selected randomly at conversation startup.

A typical action rule would look like:

action: HELLO

priority: 7

Hi there.

Hello, who are you?

Greetings.

In the above rule, the priority is set to 7. The choice for this

value is relative to the values in all the other rules. Feel free

to experiment. The higher the priority, the greater the likelyhood

that the rule will be chosen. Rules are also discriminated against

if they have been used recently. With the repeat: false option

mentioned, the rule will only be used once per conversation.

\*\*\*\*\*\*\*\*\*\*\*\*Important\*\*\*\*\*\*\*\*\*\*\*

Note that the token "action:" is separated by a Tab Character (ASCII

#9). The tab character is also used to begin the line of every line following

the "action:" token. Be sure to edit JRL files with a text editor that wont

trash your tab characters or replace them with spaces. In Unix or Linux, you

should have no problem with vi, or emacs, etc. GNU emacs is available for

windows, or you can use wordpad, but the dos Edit program does not handle the

tab charcters properly so don't use that.

intro phrases

The intro rule is a list of alternate response text prefaces, that

are chosen at random. The system expects at least one intro rule.

Fuzzy Rules

A fuzzy rule is used to select a phrase based on the usage of a

key word, and fuzzy logic.

action: BATMAN

priority: 8

Batman is one of my favorite dudes!

fuzzy: BAT

10 BATMAN

Here the fuzzy rule implements a 10% probability of selection

of the action rule "BATMAN" if someone says something

similar to "BAT."

regular expression list

The regex rule provides a

means for selection most rules.

It has the form:

regex: SAYBATMAN

invokes: BATMAN

batman

bat cave

the riddler

robin

bat girl

Here the action rule "BATMAN" will be selected based on the presence

one of the strings listed after the "invokes" option.

The strings must be typed in lower case with no punctuation.

Notice the tab character

preceding everything but the "regex:" rule. The "regex:" rule is separated

from the regex rule's name by a tab character.

Rule Elements:

priority:

rule sorting priority

should be selected as a plan for the general priority of the rules

in your ruleset file.

requires:

a prerequisite property for using the rule

properties are things like $nickname, or $email and

are variables which may be used in a regex: rule to mine data

from the conversation.

equals:

a prerequisite name/value pair for uses the value of a property

to select an action: rule

bind:

anchor word to bind the rephrased stimulus

Used in a sentence like "I was wondering if [], now I know for sure"

where the input-phrase-snippet used will be begin with the word

following the one mentioned in bind:.

invokes:

action rule indicated by regular expression match

url:

related URL to display

you may list as many url: rules after an action: rule as you need.

Depending on platform and delivery method, these will either be rendered

as links in html, or represented by buttons on a GUI, or you will be

prompted if you want to spawn your web browser to view each of them.

next:

sequence to this list of next action rules

The next: rule can contain one or more rules that will have added

priority as the next reply.

repeat:

Indicates that the action rule can repeat immediately after being

invoked.