RINRIA

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Elements of Design -Class initialization

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Class Initialization



How do we know that all the class behavior has been loaded?

At the end !

Automatically called by the system at load time or explicitly by the programmer.

Used to initialize a classVariable, a pool dictionary or class instance variables.

'Classname initialize' at the end of the saved files in Squeak

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Class Methods - Class Instance Variable

Classes (Packet class) represents class (Packet). Class instance variables are instance variables of class They should represent the state of class: number of created instances, number of messages sent, superclasses, subclasses....

Class methods represent class behavior: instance creation, class initialization, counting the number of instances....

If you weaken the second point: class state and behavior can be used to define common properties

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Example of class initialization



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Date class>>initialize



Date class>>initialize

"Initialize class variables representing the names of the months and days and the number of seconds, days in each month, and first day of each month."

MonthNames := #(January February March April May June July August September October November December). SecondsInDay := 24 * 60 * 60.

DaysInMonth := #(31 28 31 30 31 30 31 31 30 31 30 31). FirstDayOfMonth := #(1 32 60 91 121 152 182 213 244 274 305 335). WeekDayNames := #(Monday Tuesday Wednesday Thursday Friday Saturday Sunday)

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