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CS333 – Fall 2014

Proj 4 – Kernel.h

######################################################################

header Kernel

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----------------------------- ThreadManager ---------------------------------

--

-- There is only one instance of this class, created at startup time.

--

class ThreadManager

superclass Object

fields

-- ###################### PART 1: ADDED CODE ######################

threadManagerLock: Mutex

leadThread: Condition

aThreadBecameFree: Condition

-- #################################################################

threadTable: array [MAX\_NUMBER\_OF\_PROCESSES] of Thread

freeList: List [Thread]

methods

Init ()

Print ()

GetANewThread () returns ptr to Thread

FreeThread (th: ptr to Thread)

endClass

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