Module: Generator

Uses: ALL SCREENS

Extends:

INTERFACE:

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| Field Name | Type | Meaning |
| readyQ | ReadyQueue | represents the ReadyQueue Process |
| scheduler | RRScheduler |  |
| waiting | int | represents how many queues are in the readyQueue |
| processCount | int | represents how many processes have been generated |

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| Method Name | Input | Output | Description | State Transitions | Dependencies |
| Generator | ReadyQueue readyQ |  | Constructor | this.readyQ=RRscheduler.readyQ  waiting=readyQ.threadQueue.length |  |
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IMPLEMENTATION

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| Field Name | Type | Meaning |
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| Method Name | Input | Output | State Transitions | Dependencies |
| enqueue() | void | void | Creates a new Process and adds it to the readyQueue | t=new Process(processCount)  readQ.enqueue(t)  processCount++ | Process constructor |
| checkQueue | void | void | checks the size of the readyQ | waiting=readyQ.readyQueue.length |  |
| generateMessage() |  | none | Generates a message of the form  "Process # loaded into ready Queue) |  |  |