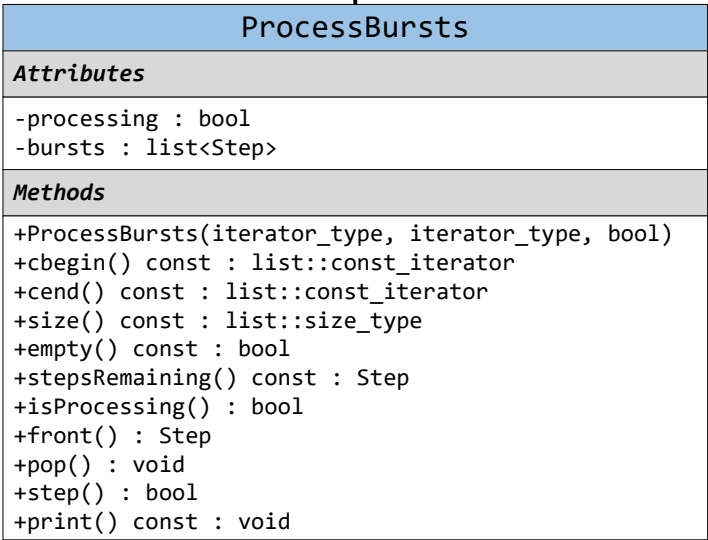
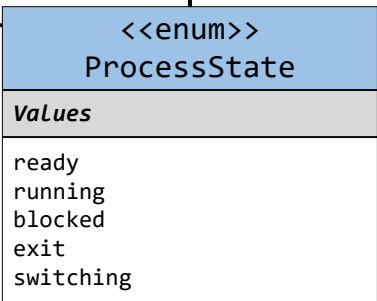
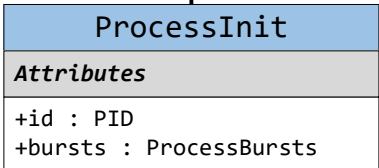
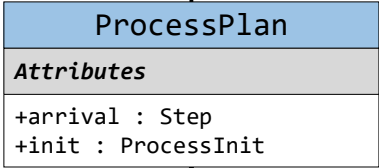
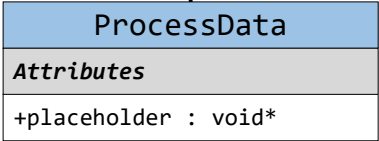
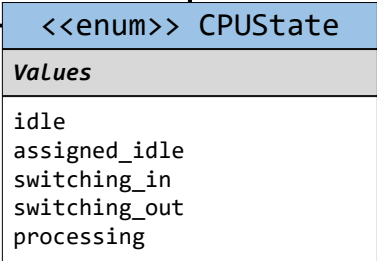
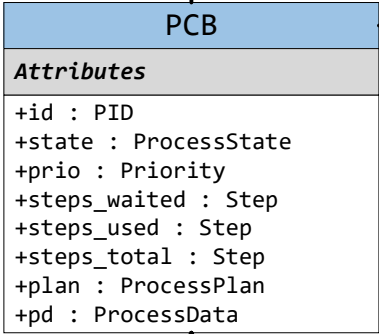
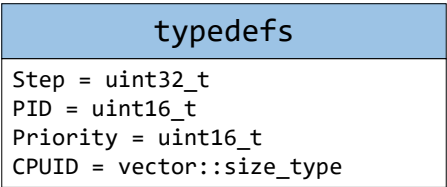
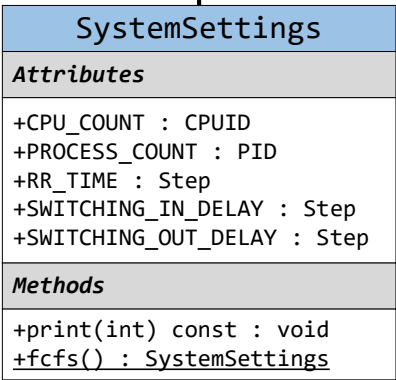
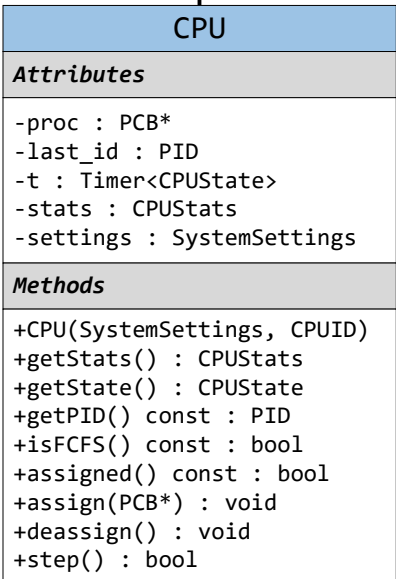
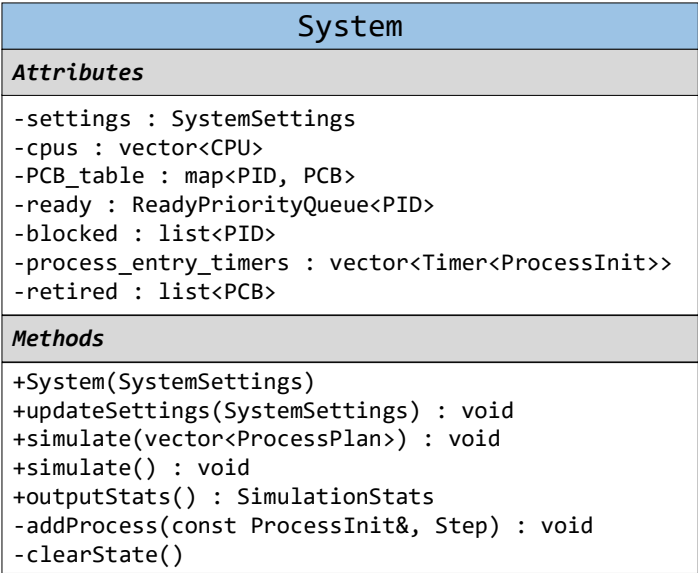


ReadyPriorityQueue<T>
Attributes
-queues : vector<queue<T>>
Methods
+ReadyPriorityQueue(Priority max) +begin() const : ReadyPriorityQueue<T>::const_iterator +end() const : ReadyPriorityQueue<T>::const_iterator +getMaxPriority() const : Priority +empty() const : bool +size() const : queue::size_type +clear() : void +push(T, Priority) : void +top() const : const T& +pop() : void -getTopQueueIndex() const : vector::size_type

Timer<T>
Attributes
-data : T -const : Step
Methods
+Timer<T>(Step, T) +step() : bool +getData() : T

ReadyPriorityQueue<T>::const_iterator
Attributes
-queues : vector<queue<T>> -orig_q : vector<queue<T>>* -prio : int
Methods
+const_iterator(const vector<queue<T>>&, int) +operator*() const : const T& +operator++() : const_iterator& +operator++(int) : const_iterator&
Friend Methods
operator==(const const_iterator&, const const_iterator&) : bool operator!=(const const_iterator&, const const_iterator&) : bool



ManyStats
Attributes
+name : string +vector<SimulationStats> : runs
Methods
+getFolderName() const : string +exportStats() const : void

ProcessStats
Attributes
+settings : SystemSettings +ps : vector<ProcesStats> +cs : vector<CPUStats>
Methods
+SimulationStats(SystemSettings, PSIt, PSIt, CSIt, CSIt) +getThroughput() const : double +getAvgTurnaround() const : double +getAvgWait() const : double +getAvgResponse() const : double +getAvgResponseAdjusted() const : double +adjustForCPUs(double) const : double +getAvgProcessLength() const : double +collapseCPUHistory() const : History<CPUState> +collapseProcessHistory() const : History<ProcessState> +printCPUStatsSummary() const : void +printProcessStatsSummary() const : void +printCPUStatsFull() const : void +printProcessStatsFull() const : void +printStats() const : void +getFolderName() const : string +exportStats(string) const : void +exportStats() const : void <u>+to_csv_header() : string</u> +to_csv_row() const : string

CPUStats
Attributes
+id : CPUID +hist : History<CPUState>
Methods
+getStatePercent(CPUState) const : double +print(int) : void

ProcessStats
Attributes
+id : const PID +prio : const Priority +started : Step +plan : ProcessBursts +hist : History<ProcessState>
Methods
+ProcessStates(const ProcessInit&, Step, History<ProcessState>) +getTurnaround() const : Step +getWait() const : Step +getResponse() const : Step +getResponseAdjusted() const : double +print(int) : void

History<E>
Attributes
-trace : vector<Period>
Methods
+History() +cbegin() const : vector<Period>::const_iterator +cend() const : vector<Period>::const_iterator +begin() const : vector<Period>::const_iterator +end() const : vector<Period>::const_iterator +push(E, Step) : void +inc(E) : void +duration() const : Step +duration(E) const : Step +print(int) const : void +printPercentages(int) const : void +to_timeline_csv() const : string +to_piechart_csv() const : string

History<E>::Period
Attributes
+state : E +duration : Step
Methods
+operator+=(Step) : Period&