

Judge Package

JudgeService

-LOGGER : Logger = LogManager.getLogger(JudgeService.class)
-schedulerThread : Thread
-judgeThreads : Thread[]
-judgeQueue : BlockingQueue<JudgeItem>
-applicationContext : ApplicationContext
-settings : Settings

+init() : void
+destroy() : void

JudgeItem

-status : StatusForJudgeDTO
-compileInfo : String
-compileInfoService : CompileInfoService
-statusService : StatusService
-userService : UserService
-problemService : ProblemService

+getStatus() : StatusForJudgeDTO
+setStatus(status : StatusForJudgeDTO) : void
+getCompileInfo() : String
+setCompileInfo(compileInfo : String) : void
+JudgeItem()
+getSourceName() : String
+update(updateStatus : boolean) : void

Scheduler

-LOGGER : Logger = LogManager.getLogger(Scheduler.class)
-statusService : StatusService
-judgeQueue : BlockingQueue<JudgeItem>
-applicationContext : ApplicationContext
-INTERVAL : long = 3L

+setJudgeQueue(judgeQueue : BlockingQueue<JudgeItem>) : void
+run() : void
+searchForJudge(isFirstTime : boolean) : void
+setStatusService(statusService : StatusService) : void
+setApplicationContext(applicationContext : ApplicationContext) : void

Judge

-LOGGER : Logger = LogManager.getLogger(Judge.class)
-judgeName : String
-workPath : String
-settings : Settings
-tempPath : String
-judgeQueue : BlockingQueue<JudgeItem>

+setJudgeName(judgeName : String) : void
+setWorkPath(workPath : String) : void
+setTempPath(tempPath : String) : void
+setJudgeQueue(judgeQueue : BlockingQueue<JudgeItem>) : void
+run() : void
+buildJudgeShellCommand(problemId : int, currentTestCase : int, judgeItem : JudgeItem)
+getCallBackString(shellCommand : String) : String []
+judge(judgeItem : JudgeItem) : void
+updateJudgeItem(callBackString : String [], judgeItem : JudgeItem) : boolean