

RescueBot

- +decide(scenarion:Scenario):Location
- +main(args:String[])
- +printHelp()

Auditor

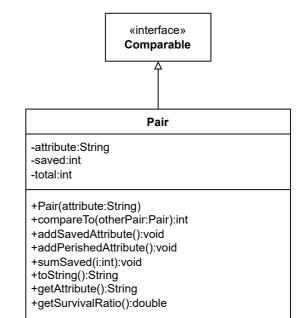
- -userDecidedScenarios:ArrayList<Scenario>
- -algorithmDecidedScenarios:ArrayList<Scenario>
- -userSavedLocations:ArrayList<Integer>
- -algorithmSavedLocations:ArrayList<Integer>
- +Auditor()
- +printAudit():void
- -printStatisticsForUser():void
- -printStatisticsForAlgorithm:void
- +readLogFile(logFilePath:String):void
- -processUserDecisions(logReader:scanner):void
- -processAlgorithmDecisions(logReader:scanner):void

Location

- -longitude:String
- -latitude:String
- -characters:ArrayList<LivingBeing>
- -illegalEntry:boolean
- +Location()
- +Location(latitude:String,longitude:String,entryType:String)
- +addCharacterToLocation(rawCharacterString:String[]):void
- +getCoordinatesToString():String
- +getLongitude():String
- +getLatitude():String
- +getEntryStatusToString():String
- +getIllegalEntry():boolean
- +getCharacter(i:int):LivingBeing
- +getNumberOfCharacters():int
- +getCharactersToString():String

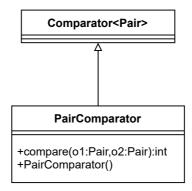
MainMenu

- -inputScanner:Scanner
- -logFilePath:String
- -importedScenarios:boolean
- +MainMenu()
- +MainMenu(scenariosFile:File)
- +MainMenu(scenariosFile:File,logPath:String)
- +MainMenu(logPath:String)
- -showWelcomeMessage():void
- -importScenarios(scenariosFile:File):void
- -elementReplace(arr:String[],index:int,replacement:String):String[]
- -commaCounter(expression:String):int
- -showMenuOptions():void
- -generateScenarios(numOfScenariosToGenerate:int):void
- -conductAudit():void
- -judgeScenarios():void
- -runSimulation():void



Scenario

- -naturalDiaster:String
- -disasterLocations:ArrayList<Locations>
- +Scenario()
- +Scenario(naturalDisaster:String)
- +addLocation(rawLocationData:String):void
- +addCharacter(rawCharacterData:String[]):vc
- +getLocation(i:int):Location
- +getIndexOfLocation(loc:Location):int
- +printScenario():void
- +getNumberOfLocations():int
- +getDisaster():String



StatisticsGenerator

- -statistics:ArrayList<Pair>
- =scenarioCount:int
- -averageAge:Pair
- +StatisticsGenerator()
- +printStatistics(statisticType:String):void
- +parseScenarioForStatistics(scenario:Scenario,deployedLocation:int):void
- -processTresspassingStatus(trespassing:boolean,survived:boolean):void
- -processAnimalStatistics(animalRepresentation:String[],survived:boolean):void
- -processHumanStatistics(humanRepresentation:String[],survived:boolean):void
- -statisticAttributeSearch(str:String):int
- +saveStatisticsToLogFile(logFilePath:String,scenarios:ArrayList<Scenario>,savedLocations:ArrayList<Integer>,decisionMaker:String) -qenerateLogFile(logFile File):void