Water availability Report

- listPins: List<Pin>

+ viewMap(listPins: List<Pin>):Map
+ addPin(pin: Pin):Void

Pin

- type:Type
- condition: Condtion

+ getType(): Type
+ getCondtion(): Condtion

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Water Historical Report

+ displayGraph(location: String, histotyType: HistoryType, year:int): Graph
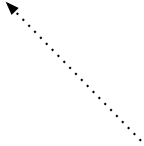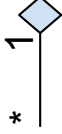
Report

- reporter:String
- reportNum:int
- location: String
- dateAndTime:Date

+ getDateAndTime():Date
+ getLocation(): String
+ setLocation(location: String): Void
+ getReporter(): String
+ getReportNum(): int
+ setReportNum(reportNum: int):Void
+ toString(): String

Water source report

- reporter:String
- reportNum:int
- location: String
- dateAndTime:Date
- typeOfWater:Type
- conditionOfWater: Condition

+ getDateAndTime():Date
+ getLocation(): String
+ getType(): Type
+ setType(type:Type):Void
+ getCondition():Condition
+ setCondition(condition: Condition): Void
+ setLocation(location: String): Void
+ getReporter(): String
+ getReportNum(): int
+ setReportNum(reportNum: int):Void
+ toString(): String

Water purity report

- reporter:String
- reportNum:int
- location: String
- dateAndTime:Date
- overallCondition: OverallCondition
- virusPPM: int
- contaminantPPM: int

+ getDateAndTime():Date
+ getLocation(): String
+ setLocation(location: String): Void
+ getReporter(): String
+ getReportNum(): int
+ setReportNum(reportNum: int):Void
+ toString(): String
+ getOverallCondition(): OverallCondition
+ setOverallCondition(condition:OverallCondition):Void
+ getVirusPPM(): int
+ setVirusPPM(vPpm: int):Void
+ getContaminantPPM(): int
+ setContaminantPPM(Cppm: int): Void