

## +setDistance(distance : double) +getDuration(): String +setDuration(duration : String) +getPicturesTaken(): LinkedList<String> +setPicturesTaken(picturesTaken : LinkedList<String>) +getAveragePace(): double +setAveragePace(averagePace : double) PointOfInterest -serialVersionUID: long -pointIdentifiers : String -typeOfPoint : int -altitude : double -mileMarker: double +getPointIdentifiers(): String +setPointIdentifiers(pointIdentifiers : String) +getTypeOfPoint(): int +setTypeOfPoint(typeOfPoint : int) +getAltitude(): double

-serialVersionUID: long -trailName : String -trailHeadAddress: String  $0..^*$ -length: double -elevationGain : double -difficultyLevel : int -pointsOfInterestList: PointOfInterestStorageContainer +getTrailName(): String +setTrailName(trailName : String) +getTrailHeadAddress(): String +setTrailHeadAdddress(trailHeadAddress: String) +getLength(): double +setLength(length : double) +getElevationGain(): double +setElevationGain(elevationGain : double) +getDifficultyLevel(): int +setDifficultyLevel(difficultyLevel: int) +getPointsOfInterestList(): PointOfInterestStorageContainer +setPointsOfInterestList(pointsOfInterestList: PointOfInterestStorageContainer +compareTo(t: Trail): int

## TrailStorageContainer

-trailList: LinkedList<Trail>

+addTrail(inputTrail : Trail)

+deleteTrail(inputTrail: Trail)

+getTrail(index : int) : Trail

+sortTrailList()

+searchTrailList(searchTerms : String) : LinkedList<Trail>

## PointOfInterestStorageContainer

-pointsOfInterestList : LinkedList<PointOfInterest>

+addPointOfInterest(inputPointOfInterest : PointOfInterest) : boolean

+deletePointOfInterest(inputPointOfInterest: PointOfInterest): boolean

+getPointOfInterest(index : int) : PointOfInterest

## HikingHistoryEntry

-serialVersionUID: long

-trailHiked: Trail

-timestamp: String

-distance : double -duration: String

-picturesTaken : LinkedList<String>

-averagePace : double

+getTrailHiked(): Trail

+setTrailHiked(trailHiked : Trail)

+getTimestamp(): String

+setTimestamp(timestamp : String)

+qetDistance(): double

+setAltitude(altitude : double)

+getMileMarker(): double

+setMileMarker(mileMarker : double)

+compareTo(p: PointOfInterest): int