Package main

Interface IMapModel

All Known Implementing Classes:

PennMap

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public interface **IMapModel**

The IMapModel interface contains methods that support the functionalities of our app

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Method Summary

| All Methods | Instance Methods | Abstract Methods |

Modifier and Type	Method	Description
java.util.List<**Location**>	**findAll** (java.lang.String type, double dist)	findAll() returns a list of Locations of a given type within a given distance from the current user Location
Location	**findNearest** (java.lang.String type)	findNearest() returns the nearest Location of a given type from the current user Location, or null if not found
java.lang.String	**findShortestPath** (java.lang.String loc1, java.lang.String loc2)	findShortestPath() returns the directions in text for the shortest path from a starting Location to a destination

Method Detail

findShortestPath

```
java.lang.String findShortestPath(java.lang.String loc1,
                                  java.lang.String loc2)
```

`loc2` - the name of the destination

Returns:

the directions in text from the starting Location to the destination

findAll

```
java.util.List<Location> findAll(java.lang.String type,
                                 double dist)
```

findAll() returns a list of Locations of a given type within a given distance from the current user Location

Parameters:

`type` - the type of Locations we want to find

`dist` - the search distance from the current user Location

Returns:

a list of Locations of the given type within the given distance from the current user Location

findNearest

```
Location findNearest(java.lang.String type)
```

findNearest() returns the nearest Location of a given type from the current user Location, or null if not found

Parameters:

`type` - the type of Location we want to find

Returns:

the nearest Location of the given type from the current user Location