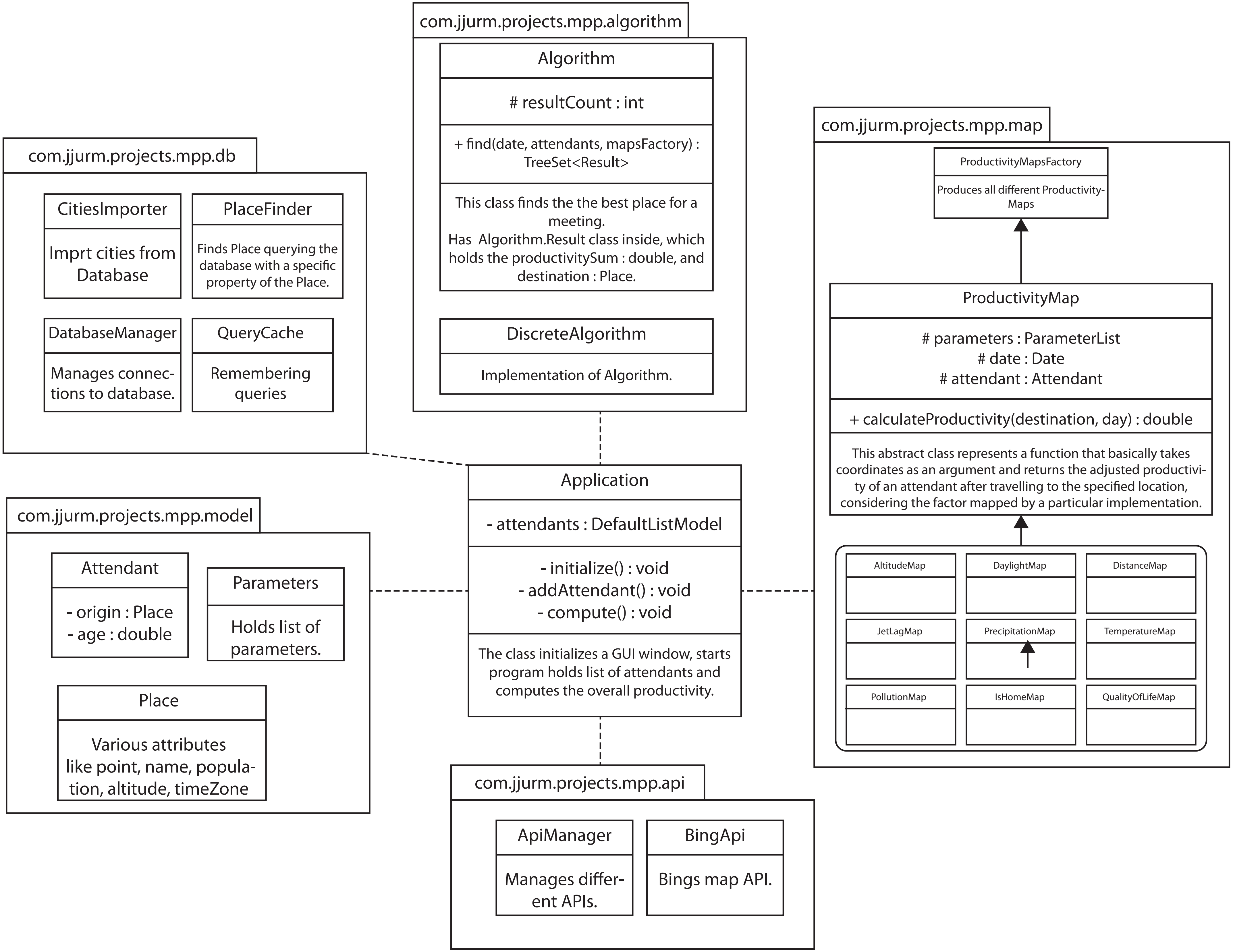

com.jjurm.projects.mpp.algorithm

Algorithm

# resultCount : int

+ find(date, attendants, mapsFactory) : TreeSet<Result>

This class finds the the best place for a meeting.
Has Algorithm.Result class inside, which holds the productivitySum : double, and destination : Place.

DiscreteAlgorithm

Implementation of Algorithm.

com.jjurm.projects.mpp.db

CitiesImporter

Imprt cities from Database

PlaceFinder

Finds Place querying the database with a specific property of the Place.

DatabaseManager

Manages connections to database.

QueryCache

Remembering queries

com.jjurm.projects.mpp.map

ProductivityMapsFactory

Produces all different ProductivityMaps

ProductivityMap

# parameters : ParameterList
# date : Date
# attendant : Attendant

+ calculateProductivity(destination, day) : double

This abstract class represents a function that basically takes coordinates as an argument and returns the adjusted productivity of an attendant after travelling to the specified location, considering the factor mapped by a particular implementation.

Application

- attendants : DefaultListModel

- initialize() : void
- addAttendant() : void
- compute() : void

The class initializes a GUI window, starts program holds list of attendants and computes the overall productivity.

com.jjurm.projects.mpp.model

Attendant

- origin : Place
- age : double

Parameters

Holds list of parameters.

Place

Various attributes like point, name, population, altitude, timeZone

com.jjurm.projects.mpp.api

ApiManager

Manages different APIs.

BingApi

Bings map API.