812341A Object Oriented Programming Spring 2018,

Weekly Assignment 2

The work must be returned to Moodle by 15.4.2018 at 23.55

Implement with Java the class structure of living i: plot - building - residents.
The plot has its name, location and area. The location is shown as the GPS coordinates of the location, latitude and longitude, which may be strings. For example, the center of Oulu's coordinates are: width: "65.004N", length: "25.319E". The building is known for its area and number of rooms and house occupants. Names and birth dates of the residents are stored (you can use String type).

There is one building on the plot, the name of the plot (a string) is known. Design relationships between classes! Appropriate constructors, as well as members' setup and access methods, must be implemented in the classes. In addition to these, the printing methods must be implemented in the classes.

Finally, write the main program that tests the class. The main program should implement at least the following operations:

1. Input fromt the keyboard information to construct objects of each class mentioned above.
2. Print sites information, including plot location, building details and resident data.

write class definitions into separate files and the main program in one code file.