

Unit 1 – Text files Compulsory assignment

The hospital uses .csv files to store the information until the database is ready:

- The information is stored in text files, enclosed to the assignment: *patients.csv* and *doctors.csv*
- Implement the *PatientRepository* and *DoctorRepository* implementation, so the JS client can list, add, delete and update a patient, and list the doctors in the combobox.
 - The path to the .csv files, as well as the *nextIdPatient* and *nextIdDoctor* values for adding patients and doctors, are stored into a properties file. Use a Configuration class to manage the Properties file. Make sure to update the *nextIds* after the *add* operation.
- Use dao mappers to map each line of the file into an object, and a *toStringTextFile()* method to do the opposite.

Use java.NIO Files class with buffers (*doctors.csv* can be considered a small file).

Example of *patients.csv*:

```
1;John Smith;01/01/1990;123456789
2; Jane Doe; 02/02/1990; 987654321
3; Alice Johnson; 03/03/1990; 456789123
4; Bob Brown; 04/04/1990; 789123456
5; Charlie White; 05/05/1990; 32165498
```

Example of *doctors.csv*:

```
1;Dr. John Smith;Cardiologist
2;Dr. Sarah Johnson;Neurologist
3;Dr. Michael Brown;Pediatrician
4;Dr. Emily Davis;Dermatologist
5;Dr. James Wilson;Oncologist
```