

Unit 1 – Compulsory assignment

Using the information of the Hospital database that you created last unit, build the following Java application:

The database is corrupted, and the company is going to use a file system to store the information until the database is recovered:

- The information will be stored in text files: patients.txt, doctors.txt, medicalRecords.txt and medications.txt
- The application should have the following options:
 - Show all patients
 - Show medical records by patient
 - Append a new medical record with two medications: Make sure that the patient and the doctor exist
 - Delete a patient: If it has any medications associated with one of their medical records, ask the user, and if so, delete everything related to the patient before deleting the patient.
- The files paths are stored into a Properties file.
- The user's name and password needed to access the files are stored into a Yaml file. The application has to verify the credentials of the user before running the main menu.

Use java.NIO library. Use singleton patterns for the Properties and Yaml files. Use a layered architecture.

When finished, please show and explain your work to the teacher and, when approved, submit it into Moodle.