Graded Assignment (Week 8)

Create 3 Maven Projects called as

Doctor_Microservice,

Diagnosis_Microservice, and

Patient_Microservice using Spring Boot.

Files: Patient_Microservice using Spring Boot.

pom.xml: Dependencies are added for the creation of REST services.

Application.java – Identical class in all three projects. Acts as an initiator to Spring Boot.

ApplicationConfiguration.java – Research configuration class responsible

for exposing REST services for application users.

Patient.java – A simple class consisting of input such as

the patient's name, id, email.

PatientRest.java – Starts the implementation of the REST services in the project.

In this way, similar files are created for the other 2 projects with some additional files in

Doctor_Microservice.

REST services are thus created to search patients and the diagnosis.

Keys of patient and diagnosis are passed as a parameter to a method (PatientDetails) in

Doctor_Microservice. This method gets the data of the patients and diseases.

Then to start the REST services,

initialized Patient_Microservice on port 8081,

Diagnosis_Microservice on 8082 and

the Doctor_Microservice on port 8083.

To test the functionality of the Doctor_Microservice, simulated the information of the patient with id 2,

suffering from a disease of id 3 and consulting a doctor with consultation 4.

The URL used is as follows:

http://localhost:8083/doctor?idPatient=2&idDiagnosis=3&consultation=4