

CS 548—Enterprise Software Architecture and Design

Assignment Three—Object Relational Mapping—Rubric

-100 if you are not using the following, as specified in provided POM files and Dockerfiles:

- Java 21
- Jakarta Persistence 3.1 (Eclipselink 4)

-25 if you are using `java.util.Date` which is obsolete.

1. Video: 55

- ☐ 55 Video and client log file showing addition of all types of entity (including all types of treatment) and inspection of database tables in IntelliJ Database tool window.
- 55 if no database server log file from running client application

2. All entities: 15

- ☐ 5 @Id @GeneratedValue Declare primary keys
- ☐ 5 Declare indexes for UUID keys, **declare to be non-nullable and unique**
- ☐ 5 @OneToMany relationship patient and provider to treatment (including mappedBy attribute set), @ManyToOne from treatment to patient and provider entities

3. Treatment entities: 15

- ☐ 5 @Inheritance, use join strategy or table-per-subclass strategy 10
 - Discriminator column is *not* required except for single-table strategy
- ☐ 5 @OneToMany for follow-up treatments
- ☐ 5 Radiology, Physiotherapy dates: @ElementCollection

4. Database DDL: 10

- ☐ 10 SQL code for creating database (from IntelliJ)

5. Completed rubric: ☐ 5

Total: