

CS 548—Enterprise Software Architecture and Design

Assignment Three—Object Relational Mapping—Rubric

1. Video: 40

- a. ☐ 40 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.
- b. -40 if no log file from running client application

2. All entities: 30

- a. ☐ 5 @Id @GeneratedValue Declare primary keys
- b. ☐ 15 Declare indexes for UUID keys, **declare to be non-nullable and unique**
- c. ☐ 10 @OneToMany relationship patient and provider to treatment (including mappedBy attribute set), @ManyToOne from treatment to patient and provider entities

3. Treatment entities: 15

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

4. Database DDL: 10

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

5. Completed rubric: ☐ 5

Total: