

**CS 548—Enterprise Software Architecture and Design**  
**Assignment Four—Object Relational Mapping—Rubric**

**1. Report -30**

- a. ☐ SQL scripts for creating tables 10
- b. ☐ Video showing generation of SQL scripts 20

**2. Patient entity: -15**

- a. ☐ @Id @GeneratedValue Declare primary key 5
- b. ☐ @OneToMany relationship to Treatment 10
  - i. cascading removal
  - ii. mappedBy attribute set

**3. Treatment entity: -35**

- c. ☐ @Id @GeneratedValue Declare primary key 5
- d. ☐ @ManyToOne relationship to Patient, Provider 10
- e. ☐ @Inheritance, use join strategy or table-per-subclass strategy 10
  - i. Discriminator column is *not* required except for single-table strategy
- f. ☐ @Temporal for date fields 5
- g. ☐ Radiology dates: @ElementCollection 5

**4. Provider entity: 15**

- h. ☐ @Id Declare primary key (may be NPI or auto-generated) 5
- i. ☐ @OneToMany relationship to Treatment 10
  - i. cascading removal
  - ii. mappedBy attribute set

**5. Completed rubric: ☐ 5**

Total: