

## CS 548—Enterprise Software Architecture and Design

### Assignment Seven—REST—Rubric

- A. (20) Representations
  - a. (5) Add choice element to XSD for TreatmentType
  - b. (5) complete TreatmentRepresentation:
    - i. - getTreatment() to produce TreatmentDto
    - ii. - TreatmentRepresentation(TreatmentDto....)
  - c. (5) Add provider type and element to XSD.
  - d. (5) ProviderRepresentation extends ProviderType generated from XML schema, includes business logic for converting to and from DTO.
- 2. (40) Define RESTful Web service APIs for patient/provider operations:
  - a. *DONE Add a patient*
  - b. *DONE Obtain a patient representation by DB id*
  - c. (5) Obtain a patient representation by patient id
  - d. *DONE Obtain a representation for a treatment via patient service*
  - e. (5) @Consumes and @Produces annotations in patient service
  - f. (5) Add a provider
  - g. (5) Obtain a provider representation by DB id
  - h. (5) Obtain a provider representation by NPI
  - i. (5) Add a treatment in provider service
  - j. (5) Obtain a representation for a treatment via provider service
  - k. (5) Use the @Inject annotation to inject patient and provider services from service facade; use @RequestScoped annotation on resource classes.
- 3. (40) Aspects of the engineering of the API:
  - a. (40) App deploys (WADL file is generated) – video & WADL included with submission