CODING CHALLENGE REQUIREMENTS

SUPER HUMAN REGISTRY

Build a mini fullstack maven project Due at 4:15 pm Friday

Build a web application that will allow you to register a superhuman.

----------TECHNOLOGIES----------

HTML, CSS, Servlets, JDBC, Postgres

----------Part 1 Implement your DB: 20 Points---------------

Make 2 tables in your db: one table for SUPERHUMANS information. Feel free to add whatever attributes you like to the table (e.g. SuperHumanName, Alias, Hometown, etc); and the other table for superhuman ALIGNMENT (this table will have only a handful of hardcoded values: “hero”, “villain”, and “vigilante”).

Make a foreign key in SUPERHUMANS that points to the primary key of ALIGNMENT.

Of course that means SUPERHUMANS need a column for “alignment”.

Add some dummy data to the database to start. You will need to demonstrate your ability to display what is stored in your database.

----------Part 2 Implement your model server side:----------------

Create a SuperHuman and/or an Alignment class that are mapped to your db tables. (you don’t HAVE to create the Alignment table if you feel you don’t need to)

----------Part 3 Implement your API (your endpoints):-------------------

Make/implement

GET \*/super-human OR /super-human.do

To find all superhumans

POST \*/create-super-human OR /create-super-human.do

To create a new super-human

DELETE (or POST) \*/delete-super-human OR /delete-super-human.do

To remove a super-human

If you need to create additional endpoints you are welcome to.

----------Part 4 Implement your Presentation Layer (your UI): ---------------------

As a user, I can view a table containing all registered heroes.

As a user, I can create a new superhuman, using a form so that I may type in details about the superhuman.

As a user, I can remove/delete superhumans using html forms.

As a user, I can update a superhuman using html forms.

-----------Part 5 Style your UI:-----------------------

Use CSS or a Styling Library to make your html pages pretty

-----------Finally-------------------------

Fully review your project code, and be able to explain it.