Jakarta RESTful Web Services 3.1 Workshop Presenter

Module 2: Coding the task that will become a service.

In this module the participants will code classes that will calculate the value of money deposited into an account that will pay compound interest over a specified period at a specified interest rate.

$$A = P \left(1 + \left(\frac{r}{n}\right)^{nt}\right.$$

P : is the principal amount deposited into a compound interest account

r : is the interest rate typically expressed as an annual rate

n : is the number of compounding periods (if compounded monthly, then the value is 12)

t : is the time the money will compound for. This is expressed in years and must be divided by the number of compounding periods, which, in this case, will also be 12.

Have the participants use the mod_02_compoundInterest_participant. Their task is to implement the formula and data validation. The Unit test code and the pom.xml file are complete. There is no single solution. What the participants must construct is a solution that passes the unit tests. This code will then form the basis of a web service. Participants may complete the CompoundInterest.java and use the CompoundBean.java as is. In the presenter repo there is mod_02_compoundinterest_presenter that is complete that you can review.

Participants will find the written instructions in the participants documents as well as in the supplied source code as comments. Remind them that they need to read the code.