Exercise 5-3   Create the Future Value application

In this exercise, you'll create a working version of a Future Value Calculator application.

Review the project

1. Start NetBeans and open the project named ch05_ex3_futureValue that's in the more_ex_starts directory.

2. Open the Calculation class. Note that it follows all of the rules for defining a JavaBean.

3. Open the index.jsp file. Note that it uses EL to display a validation message as well as the values of a calculation.

4. Open the servlet. Note that it gets parameters, validates them, and stores them in the Calculation class.

5. Open the web.xml file. Note that it maps the servlet to the "/displayResult" URL.

6. Open the index.jsp file. Note that it displays the result of the calculation.

7. Run the application and use it to perform one or more calculations. Note that the servlet is mapped to the "/displayResult" URL. Note also that it doesn't apply currency formatting to the future value amount.

Modify the code

8. Open the servlet and modify it so it uses the @WebServlet annotation to map itself to the "/calculate" URL.

9. Open the index.jsp file and modify it so it uses the "/calculate" URL.

10. Open the result.jsp file and modify it so it applies currency formatting to the future value amount.

11. Open the Calculation class and add a method that applies currency formatting to the monthly investment amount. Then, modify the result.jsp file so it uses this method.