text in a form. Provide the user with a submit button with the value Update Cart that enables the user to submit the form to a servlet that updates the quantity of the items in the cart. The servlet should forward the request to viewCart.jsp, so the user can see the updated cart contents. Redeploy the bookstore application, and test the update capability.

11.4 Enhance the bookstore case study’s TitlesBean to obtain author information from the books database. Incorporate that author data into the BookBean class, and display the author information as part of the Web page users see when they select a book and view that book’s information.

11.5 Add server-side form validation to the order form in the bookstore case study. Check that the credit-card expiration date is after today’s date. Make all the fields in the form required fields. When the user does not supply data for all fields, return an XHTML document containing the order form. Any fields in which the user previously entered data should contain that data. For this exercise, replace the order.html document with a JSP that generates the form dynamically.

11.6 Create an order table and an orderItems table in the books database to store orders placed by customers. The order table should store an orderId, an orderDate and the email address of the customer who placed the order. [Note: You will need to modify the form in Exercise 11.6 to include the customer’s e-mail address]. The orderItems table should store the orderId, isbn, price and quantity of each book in the order. Modify process.jsp so that it stores the order information in the order and orderItems tables.

11.7 Create a JSP that enables client to view their order history. Integrate this JSP into the bookstore case study.

11.8 Create and deploy a single application that allows a user to test all the JSP examples in Chapter 10. The application should have a welcome file that is an XHTML document containing links to each of the examples in Chapter 10.

11.9 Create and deploy a single application that allows a user to test all the servlets in Chapter 9. The application should have a welcome file that is an XHTML document containing links to each of the examples in Chapter 9.