Contract Management System

Business Logic Layer And Data Access Layer Developments

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Copyright Declaration

Function

Iterative development on the basis of Login (View Layer Development).

In this iteration, we'll fulfill Business Logic Layer and Data Access Layer Developments. Complete the business logic processing of user login, and implement the operation of login query by combining View Layer Development for the full completion of login function.

1. Implement the logic processing of user login in business logic layer.

The business logic layer provides services for view layer. View layer passes user name and password to business logic layer. Business logic layer conducts business logic processing and calls method from data access layer.

2. Implement the operation of login query in data access layer.

The data access layer implements user data inquiry into t_user of contractdb and delivers relative user data onto business logic layer.

3. Implement the function of user login on 3L structure.

Design

In order to implement the function of login, call UserService of the business logic layer in LoginServlet of the view layer, and call UserDao of data access layer in business logic layer. Data is transferred among layers by entity class User.

An iterative way is adopted in implementing the function of login.

(1) In last iteration, we completed View Layer Development by creating relative login pages and processing requests for login and logoff.

(2) In this iteration, we shall conduct Business Logic Layer and Data Access Layer Developments.

In data access layer, write UserDao interface and UserDaoImpl class, create login(), implement database access and query user id.

In business logic layer, modify UserService class, add login() and call data access layer in it to process the logic of login.

Modify LoginServlet class of the view layer and call login() of the business logic layer to implement a full login function.

Implementation

Iterative development on the basis of Loing (View Layer Development).

Functions are completed for view layer in the iteration of View Layer Development. In this iteration, we shall implement the following steps by coding.

Firstly, code in data access layer by creating login() to implement login query.

Secondly, code UserService class of the business logic layer, call data access layer to process the logic of login.

Finally, implement a full login function by jointing view layer development.

Step 1, implement login query.

Step 2, process login logic.

Step 3, implement login function.

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Thanks

Login