



Online Review Login Requirements Specification

1. Scope

1.1 Overview

The component provides the login and logout action support for the Online Review application. Assemblies will be integrated with this component to complete the authentication process.

1.2 Logic Requirements

1.2.1 Log In Action

Struts action should be provided to take a username and password as input. The action will use the TopCoder Security Manager EJB to log the user in. Upon successful login the session will be cleared and the user's subject identifier will be stored in session under a configurable attribute name.

1.2.2 Log Out Action

Struts action should be provided to log the user out. The session attribute that stores the user's subject identifier must be removed. The session will be invalidated.

1.3 Required Algorithms

No specific algorithms are required.

1.4 Example of the Software Usage

User will initiate a login request with username and password. The action invokes the login EJB to authenticate the user. The user will then be forwarded to the Online Review project listing page.

1.5 Future Component Direction

None.

2. Interface Requirements

2.1.1 Graphical User Interface Requirements

None.

2.1.2 External Interfaces

None.

2.1.3 Environment Requirements

- Development language: Java1.4
- Compile target: Java1.4

2.1.4 Package Structure

com.cronos.onlinereview.login

3. Software Requirements

3.1 Administration Requirements

3.1.1 What elements of the application need to be configurable?

- Session attribute name for the logged user

3.2 Technical Constraints

3.2.1 Are there particular frameworks or standards that are required?

Struts



EJB

3.2.2 TopCoder Software Component Dependencies:

- Configuration Manager
- Security Manager

****Please review the [TopCoder Software component catalog](#) for existing components that can be used in the design.**

3.2.3 Third Party Component, Library, or Product Dependencies:

None.

3.2.4 QA Environment:

- Solaris 7
- RedHat Linux 7.1
- Windows 2000
- Windows 2003

3.3 Design Constraints

The component design and development solutions must adhere to the guidelines as outlined in the TopCoder Software Component Guidelines.

3.4 Required Documentation

3.4.1 Design Documentation

- Use-Case Diagram
- Class Diagram
- Sequence Diagram
- Component Specification

3.4.2 Help / User Documentation

- Design documents must clearly define intended component usage in the 'Documentation' tab of Poseidon.