Subject web application: quotes

Quotes is a web application, containing one java servlet and one java bean. It allows users to search for quotes based on keywords (case-insensitive). The users may search quotes that contain given keywords and/or may search quotes by authors. Also, the user may choose to retrieve quote randomly. The quotes are stored in xml files.

Specific requirements

Functional requirements

Use Case Name: quotes
Use Case ID: quotes-1
Actors: web user
Brief Description: The system allows users to search for quotes based on keywords (case-insensitive). The users may specify the search by quotes and/or by authors. The users may simply retrieve a random quote.
Pre-Conditions: There exists quotes in the system.
Main Flow of Events: 1. User enters one or more keywords in to search. 2. User selects a scope of search by 'both.' 3. User presses the 'Search' button. 4. The system displays all existing quotes that contains a given series of keyword (case-insensitive) and quotes whose author names contains the given keywords (case-insensitive). 5. The system displays a list of recent searched keywords.
Post-Conditions: The system displays quotes and recent searched keywords.
Alternative Flows and Exceptions: Alternative 1, Insert Point Step 1-4 If the user presses the 'Search' button without entering the search keyword, the system resets the search form and a list of previously searched quotes (if applicable). Alternative 2, Insert Point Step 3-4 If the user presses the 'reset' button, the system resets the search form and a list of previously searched quotes (if applicable). Alternative 3, Insert Point Step 2-4 If the user selects a scope of search by 'quote,' the system displays all existing quotes that contains a given series of keywords (case-insensitive). Alternative 4, Insert Point Step 2-4 If the user selects a scope of search by 'author,' the system displays all existing quotes whose author names contains a given series of keywords (case-insensitive). Alternative 5, Insert Point Step 1-4 If the user presses the 'Get Another Random Quote' button, the system displays a randomly selected quote.
Assumptions: None.

Other Requirements

Requirement ID	Requirement
SRS_01	The system shall allow users to retrieve quotes based on recent searches.
SRS_02	The system shall allow users to search case-insensitively.