

Servlet Overviews

FindWeapons Servlet

- Manages and displays weapon data based on user queries.
- Filters by name and sorts by multiple attributes using database interactions and Java Servlet technology.

WeaponCreateServlet

- Handles web requests for creating new weapon entries.
- Displays a form and processes form data to create new weapon records, integrating with backend database operations.

WeaponDeleteServlet

- Manages the deletion of weapons in the database.
- Validates weapon IDs, handles deletions, and updates the user interface based on the operation's outcome.

WeaponDetailServlet

- Retrieves and displays detailed information about a specific weapon.
- Aggregates data from multiple sources to provide a comprehensive view of weapon details, bonuses, and job permissions.

WeaponUpdateServlet

- Handles the update operations for weapon details.
- Validates input, updates weapon attributes, and manages database operations effectively.

XML File

- Configures servlet behavior in a Java web application.
- Specifies servlet mappings and welcome files, ensuring application conforms to the Java Servlet specification.

JSP Files

FindWeapons.jsp

- Allows users to search for weapons by name and sort by attributes.
- Displays weapons with options for detailed views, updates, and deletions.

WeaponCreate.jsp

- Facilitates the creation of a new weapon with inputs for various attributes.
- Provides a form for entry and displays feedback based on the operation's outcome.

WeaponDelete.jsp

- Enables weapon deletion from the database with form inputs for weapon ID.
- Conditionally displays elements and provides user feedback on operation success.

WeaponDetail.jsp

- Shows detailed attributes of a weapon.
- Provides links for deleting or updating weapons, enhancing user interaction with weapon data.

WeaponList.jsp

- Displays a list of weapons based on item level criteria.
- Includes a form for filtering and a dynamic table displaying weapon details.

WeaponUpdate.jsp

- Provides a form for updating specific weapon attributes.
- Ensures a smooth and secure user experience by handling form submissions and displaying operation feedback.

Added Method in DAL Class

- `getWeaponsByName(String name)`: Retrieves a list of weapons matching a specified name from the database using SQL queries that perform inner joins and string matching.

This summary outlines the functionalities and configurations of servlets, JSP pages, and an added method in the Data Access Layer class, emphasizing their roles within the Java web application.