# Subject web application:  randomString

RandomString is a small web application, containing one java servlet. It allows users to enter a list of strings to be randomly chosen with two options: with replacement or without replacement (default).

## Specific requirements

### Functional requirements

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| **Use Case Name:** randomString |
| **Use Case ID:** randomString-1 |
| **Actors:** web user |
| **Brief Description:** The system allows users to enter a list of strings and choosing them randomly with two options: with replacement or without replacement (default). |
| **Pre-Conditions:** None. |
| **Main Flow of Events:**<br>    1.   User enters a list of strings to be chosen. Multiple strings are separated by carriage return.<br>    2.   User selects to randomly choose strings 'without replacement.'<br>    3.   User presses the 'Submit' button.<br>    4.   The system removes the randomly chosen string from the original list.<br>    5.   The system displays the randomly chosen string in the 'String chosen' result area. |
| **Post-Conditions:** The system displays the randomly chosen string. |
| **Alternative Flows and Exceptions:**<br>Alternative 1, Insert Point Step 1-5<br>If the user presses the 'Submit' button without entering strings to be chosen, the system displays error message requiring the user to enter strings prior to submit the form.<br><br>Alternative 2, Insert Point Step 2-4<br>If the user selects to randomly choose string 'with replacement,' the system does not remove the selected string from the original list.<br><br>Alternative 3, Insert Point Step 2-5<br>If the user presses the 'Clear Chosen Strings' button, the system resets the 'String chosen' result area.<br><br>Alternative 4, Insert Point Step 2-5<br>If the user presses the 'Restart' button, the system resets the form, i.e., resetting the strings previously entered and the strings previously chosen. |
| **Assumptions:** Randomly choosing without replacement is a default option. |

## Other Requirements

| Requirement ID | Requirement |
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| SRS_01 | The system shall allow users to enter multiple strings. |
| SRS_02 | The system shall allow users to enter strings regardless languages. |