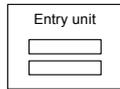
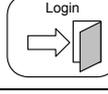
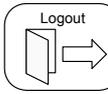
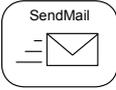
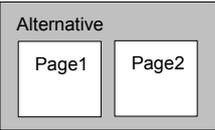
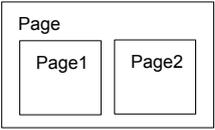
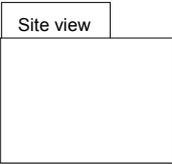


Summary of WebML hypertext elements

WebML element	Brief description	Properties
<p>Data unit</p> 	A data unit publishes a single object of a given entity.	<ul style="list-style-type: none"> - Name - Source entity - Selector (optional) - Included attributes
<p>Multidata unit</p> 	A multidata unit presents multiple objects of an entity together, by repeating the presentation of several data units.	<ul style="list-style-type: none"> - Name - Source entity - Selector (optional) - Included attributes - Order clause (optional)
<p>Index unit</p> 	An index unit presents multiple objects of an entity as a list.	<ul style="list-style-type: none"> - Name - Source entity - Selector (optional) - Included attributes - Order clause (optional)
<p>Multi-choice index unit</p> 	A variant of index, where each element of the list is associated with a checkbox allowing the user to select multiple objects.	<ul style="list-style-type: none"> - Name - Source entity - Selector (optional) - Included attributes - Order clause (optional)
<p>Hierarchical index unit</p> 	A variant of index, in which the index entries are organised in a multi-level tree.	<ul style="list-style-type: none"> - Name - For each level: <ul style="list-style-type: none"> - Source entity - Selector (optional) - Included attributes - Order clause (optional)
<p>Scroller unit</p> 	A scroller unit provides commands to scroll through the objects in a set.	<ul style="list-style-type: none"> - Name - Source entity - Selector (optional) - Block factor - Order clause (optional)
<p>Entry unit</p> 	An entry unit supports form-based data entry.	<ul style="list-style-type: none"> - Name - For each field: <ul style="list-style-type: none"> - Name - Type - Initial value (optional) - Modifiability - Validity predicate

Global parameter	A global parameter stores information available to multiple pages.	- Name - Type - Default value
Set unit 	A set unit assigns a value to a global parameter.	- Global parameter
Get unit 	A get unit retrieves the value of a global parameter.	- Global parameter
Create unit 	A create unit enables the creation of a new entity instance.	- Name - Source entity - Set of value assignments
Delete unit 	A delete unit deletes one or more objects of a given entity.	- Name - Source entity - Selector
Modify unit 	A modify unit updates one or more objects of a given entity.	- Name - Source entity - Selector - Set of value assignments
Connect unit 	A connect unit creates new instances of a relationship.	- Name - Relationship role - Selector of the source entity - Selector of the target entity
Disconnect unit 	A disconnect unit deletes instances of a relationship.	- Name - Relationship role - Selector of the source entity - Selector of the target entity
Login unit 	The login unit verifies the identity of a user accessing the site.	Parameters: - Username - Password
Logout unit 	The logout unit forwards the user to a default page with no access control.	None

<p>Sendmail unit</p> 	<p>The sendmail unit provides the capability of sending e-mail messages.</p>	<p>Parameters:</p> <ul style="list-style-type: none"> - Sender - Recipients - Subject - Body - Attachments
<p>Generic operation unit</p> 	<p>It defines a generic operation: the input and output parameters must be defined by the designer.</p>	<p>Designer-defined</p>
<p>Transaction</p> 	<p>A transaction is a sequence of operations executed atomically, which means that either all the individual operations execute successfully, or the entire sequence is undone</p>	<p>None</p>
<p>Page</p> 	<p>A page represents the actual interface browsed by the user. It contains units and/or sub-pages.</p>	<ul style="list-style-type: none"> - Name - Lanmark - Content: units, OR/AND sub-pages
<p>OR sub-pages</p> 	<p>OR sub-pages specify that certain portions of the screen may contain <i>alternative</i> pieces of content, each one modeled as a distinct page.</p> <p>OR sub-pages are contained in a page or in a sub-page.</p>	<ul style="list-style-type: none"> - Nested pages - Default nested page
<p>AND sub-pages</p> 	<p>AND sub-pages are used to divide the page contained in a screen into portions.</p> <p>AND sub-pages are contained in a page or in a sub-page.</p>	<ul style="list-style-type: none"> - Nested pages
<p>Area</p> 	<p>An area is a container of pages or, recursively, other sub-areas, which can be used to give a hierarchical organization to the hypertext.</p>	<ul style="list-style-type: none"> - Name - Landmark - Content: pages, sub-areas - Default page or sub-area
<p>Site view</p> 	<p>A site view represents an hypertext.</p>	<ul style="list-style-type: none"> - Name - Content: pages, areas - Home page
<p>Link</p> <p>Parameters →</p> <p>- automatic</p> <p>Parameters →</p> <p style="margin-left: 40px;">A</p> <p>- transport</p>	<p>A link is an oriented connection between two units or pages. It abstracts the concept of anchor and allows to transport information (by means of link parameters) between units.</p> <p>Links can be defined as</p> <ul style="list-style-type: none"> - automatic: they are navigated without the 	<p>Normal, automatic and transport links:</p> <ul style="list-style-type: none"> - Name - Source element (unit or page) - Destination element - Type of link (normal, automatic, transport) - Link parameters <p>Link parameters:</p> <ul style="list-style-type: none"> - Name

<p>Parameters -----></p> <p>- OK link</p> <p>Parameters — [OK] —></p> <p>- KO link</p> <p>Parameters — [KO] —></p>	<p>intervention of the user</p> <p>- transport: they are not rendered as an anchor, but they only enable parameter passing</p> <p>Links exiting operations are distinguished into:</p> <p>- OK link: they are followed in case of operation success</p> <p>- KO link: they are followed in case of operation failure</p>	<p>- source-value</p> <p>OK/KO links:</p> <p>- Name</p> <p>- Source element (operation unit)</p> <p>- Destination element</p> <p>- Link parameters</p>
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