

can implement NamingContainer and its children lives within that name space.

The QA controls can appear anywhere in the server control tree. In order to easily deal with SpeechIndex and manage client side rendering, a SpeechGroup control is provided. The Speechgroup control is hidden from application developer.

.0 One SpeechGroup control is created and logically attached to every NamingContainer node that contain QA controls in its children tree. QA and SpeechGroup controls are considered members of its direct NamingContainer's SpeechGroup. The top level SpeechGroup control is attached .5 to the Page object. This membership logically constructs a tree - a logical speech tree - of QA controls and SpeechGroup controls.

For simple speech-enabled pages or script (i.e., pages that do not contain other NamingContainers), only the root SpeechGroup control is generated and placed in the page's server control tree before the page is sent to the voice-only client. The SpeechGroup control maintains information regarding the number and rendering order of QA controls on 25 the page.

For pages containing a combination of QA control(s) and NamingContainer(s), multiple SpeechGroup controls are generated: one SpeechGroup control for the page (as 30 described above) and a SpeechGroup control for each NamingContainer. For a page containing NamingContainers, the page-level SpeechGroup control maintains QA control