Silly Song: An App from Scratch

Core Methods

CRITERIA	MEETS SPECIFICATIONS
The view controller correctly implements the `shortNameFromName()` function.	The `shortNameFromName()` method takes a name string as its only parameter and returns a shortened version of that string, following these rules: • The shortened name is all lowercase letters, to fit in with the song • Any consonants before the first vowel are removed. If no vowels exist in the string, then no consonants are removed.
The view controller correctly implements the `lyricsForName()` function.	The `lyricsForName()` method converts the lyrics template into the personalized lyrics by substituting the full and shortened versions of the specified name.

User Interface

CRITERIA	MEETS SPECIFICATIONS
The user interface contains a label for the app's name.	The user interface contains a label for the app's name. The label: • is positioned at the top of the screen • has the text "Silly Song", and • is center aligned.
The user interface contains a text field for inputting a name.	The user interface has a text field for inputting a name. The name field: • is positioned directly below the title label • has only the placeholder text "Enter Your Name" • is sufficiently wide, and • is center aligned.
The user interface contains a text view for displaying lyrics.	A non-editable text view for displaying lyrics is positioned directly below the name field.
The user interface elements are positioned correctly on the screen.	The user interface elements have the necessary constraints such that they are horizontally positioned on the center of the screen with a reasonable amount of spacing between each element.
The user interface has an outlet for the name field.	The user interface has an outlet for the text field called `nameField`.
The user interface has an outlet for the lyrics view.	The user interface has an outlet for the text view called `lyricsView`.

Actions and Methods

CRITERIA	MEETS SPECIFICATIONS
The appropriate action is triggered when editing begins on the text field.	The text field's `editingDidBegin` event triggers a `reset()` action.
The view controller correctly implements the `reset()` method.	The `reset()` method clears the text of the `nameField` and `lyricsView`.
The appropriate action is triggered when editing ends on the text field.	The user interface triggers a `displayLyrics()` action on the text field's `editingDidEnd` event.
The `displayLyrics()` method is correctly implemented.	The displayLyrics() method: • takes the name entered in the nameField • generates the personalized lyrics, and • displays the lyrics in lyricsView.
The `textFieldShouldReturn()` method of the `UITextFieldDelegate` is correctly implemented.	The `textFieldShouldReturn()` method of the `UITextFieldDelegate`: • resigns the `nameField`'s first responder, triggering the `displayLyrics()` method, and • prevents any other response to the return key.

Student FAQ