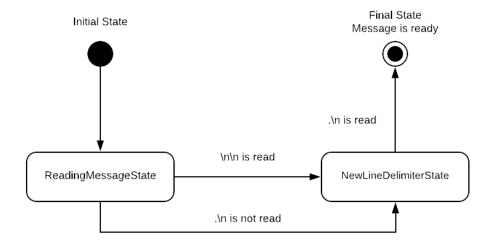
Poem of the Day Specification

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Messaging Protocol

Messages between the server and and client are sent in their plain text form followed by two newline characters then by a period character followed by another new line. The " \n " sequence indicates the end of the message. The following is an example of a poem selection message that can be sent to the Poem of the Day server using telnet:

$2\n\n.\n$



Server-Client State Machine

When a client connects to the server the server starts a state machine to handle the client's request. This state machine involves the following states:

- WelcomeState: This state sends the user the available poems
- WaitForPoemSelectionState: This state waits for the user to select a poem
- **DeliverPoemState**: This state sends the selected poem to the user
- ErrorState: This state sends an error message to the user

This state machine is outlined in the following diagram:

