User presses the “a” key

Idle state (0)

Interpretation sequence:
1. Interpreter retrieves keypress.
2. Program changes state to ‘entry’ state.
3. Entry is stored.
4. Program places entry in the database.
5. Program changes state to ‘idle’ state.

In state 2, the interpreter prompts user to input the new entry:

Entry state (1)

Interpretation sequence:
1. Interpreter retrieves entry.
2. Program changes state to ‘idle’ state.
3. Program places entry in the database.

Interpreter again awaits keypress

Idle state (0)