

Botpress Flow Review with Detailed Variable Setup

Review of Current Flow with Variable Setup and Intent Detection

This document provides an in-depth review of each node in the Botpress flow, detailing how to set up variables, check intents, and manage transitions. Each node includes specific conditions for **on enter**, **on receive**, and **transition** with steps for configuring variables and detecting user intents.

1. Entry Node

- **On Enter:** Display a welcome message to the user.
- **On Receive:**
 - Check for the intent of the user input.
 - To set up intent detection, define a variable, e.g., `user_intent`. Use Botpress's built-in intent detection by configuring an intent classification model (such as "greeting" or "none").
 - Assign `user_intent` with the detected intent by capturing the result of the intent classification in the node's configuration.
- **Transitions:**
 - If `user_intent` is `greeting`, transition to `search-query-prompt`.
 - If `user_intent` is `none`, transition to `fallback-response`.

2. Search Query Prompt

- **On Enter:** Prompt the user to enter a search term.
- **On Receive:**
 - Capture the user's input as a variable, e.g., `user_search_term`.
 - To store this input, use the node's configuration to bind the user's response to `user_search_term`.
 - Validate `user_search_term` to ensure it's not empty.
- **Transitions:**
 - If `user_search_term` is valid, transition to `search-for-articles`.

- If `user_search_term` is empty or unrecognised, transition to `fallback-response`.

3. Search for Articles

- **On Enter:** Use `user_search_term` to query the article search API.
- **On Receive:**
 - Store the API results in a variable, e.g., `search_results`.
 - Configure the action in the node to parse the API response and assign it to `search_results`.
- **Transitions:**
 - If `search_results` contains articles, transition to `display-article-list`.
 - If `search_results` is empty, transition to `no-article-found`.

4. No Article Found

- **On Enter:** Notify the user that no articles were found.
- **On Receive:** Await user input for retry or exit.
- **Transitions:**
 - If user wants to search again, transition to `search-query-prompt`.
 - If user decides to end the conversation, transition to `end`.

5. Display Article List

- **On Enter:** Display the `search_results` list to the user.
- **On Receive:**
 - Capture the user’s article choice in a variable, e.g., `selected_article`.
 - Configure the node to map user selection to `selected_article`.
- **Transitions:**
 - If `selected_article` is valid, transition to `prompt-for-user-action`.
 - If the input is unrecognised, transition to `fallback-response`.

6. Prompt for User Action

- **On Enter:** Ask the user to choose between a summary or citation for `selected_article`.
- **On Receive:**
 - Capture the user’s choice in `user_action`.
 - Assign `user_action` based on user input, either as “summary” or “citation”.
- **Transitions:**
 - If `user_action` is “summary”, transition to `generate-summary`.
 - If `user_action` is “citation”, transition to `generate-citation`.

- If unrecognised, transition to `fallback-response`.

7. Generate Summary

- **On Enter:** Generate a summary of `selected_article`.
- **On Receive:** Store the generated summary in `article_summary`.
- **Transitions:**
 - Transition to `display-summary`.

8. Display Summary

- **On Enter:** Present `article_summary` to the user.
- **On Receive:** Await further instructions.
- **Transitions:**
 - If user wants another action, go to `prompt-for-user-action`.
 - Otherwise, transition to `end`.

9. Generate Citation

- **On Enter:** Generate citation for `selected_article`.
- **On Receive:** Save the citation as `article_citation`.
- **Transitions:**
 - Always transition to `display-citation`.

10. Display Citation

- **On Enter:** Display `article_citation` for the user.
- **On Receive:** Await further instructions.
- **Transitions:**
 - If another action is needed, return to `prompt-for-user-action`.
 - Otherwise, proceed to `end`.

11. Fallback Response

- **On Enter:** Display an error message, e.g., “Could you rephrase?”.
- **Transitions:**
 - Return to the previous node to allow a reattempt.