

The diagram illustrates the interaction between the **User Interface** and the **Ascent Web**. A vertical dashed line separates the two components.

User Interface:

- Chat Window:** Contains three main components:
 - 1 Natural language request:** Initiates the process by sending a green request to the Ascent Web.
 - Failure response:** Receives red responses from the Ascent Web.
 - 7 Present update proposal:** Sends a green request to the Ascent Web and receives a red response.

Ascent Web:

- 2 Invoke Lambda function with UI context:** Receives the initial request and sends a red response to the Failure response component.
- 8 Update the assay:** Receives the update proposal and sends a red response to the Present update proposal component.
- Record the rejection:** Receives a red response from the Present update proposal component.

Flow Summary: The process starts with a natural language request from the UI to the Ascent Web. The Ascent Web invokes a Lambda function, which sends a failure response back to the UI. The UI then presents an update proposal to the Ascent Web, which updates the assay and sends a rejection response back to the UI, which then records the rejection.

The diagram illustrates the workflow of a Lambda function, which is a sequence of steps within a container. The steps are numbered 3 through 6:

- Step 3:** Parse rule context and redirect to tool. This step receives input from the left (green arrow) and sends output to Step 4 (green arrow).
- Step 4:** Validate the prompt. This step receives input from Step 3 (green arrow) and sends output to Step 5 (green arrow).
- Step 5:** Fix spelling mistakes and map display names to internal. This step receives input from Step 4 (green arrow) and sends output to Step 6 (green arrow).
- Step 6:** Construct updates. This step receives input from Step 5 (green arrow) and sends output to the right (green arrow).

External interactions include:

- A red line connects the output of Step 3 to the input of Step 4.
- A red line connects the output of Step 4 to the input of Step 5.
- A green line connects the output of Step 6 to the input of Step 3.
- Amazon Bedrock (represented by an oval) interacts with the steps via black arrows:
 - Step 4 sends a request to Amazon Bedrock.
 - Amazon Bedrock returns a response to Step 4.
 - Step 5 sends a request to Amazon Bedrock.
 - Amazon Bedrock returns a response to Step 5.
 - Step 6 sends a request to Amazon Bedrock.
 - Amazon Bedrock returns a response to Step 6.