Test Cases 3.1

Test Case 3.1A

Objective:

Verify that the NAO robot can remember the user's reading progress and resume reading from where it left off. (Success)

Test Type: Functional Execution Type: Manual

Setup: 🔗

- Ensure the NAO robot is powered on and connected.
- The robot is prepared to read text and has the capability to save and retrieve reading progress.

Pre-Conditions: 🔗

• The NAO robot is actively reading a text passage.

Robot (KIV)	Laptop
	Test Steps: ⊘
	 Type "hi, readmate" and place the text in front of the laptop camera to initialize the robot and begin text recognition.
	2. Type "readmate, start read" to initiate reading.
	3. Type "readmate, stop reading" after the first sentence is read. Ensure that the laptop replies with "pausing" and stops reading the text.
	Type "ask gpt" to ask a question regarding the text. Then type "What is the capital of china?".
	 Type "readmate, continue reading", ensure that the laptop replies with "Continuing" and the laptop continues to read the text from where it left off.
	robot able to continue reading from where it left off

Expected Result: 🔗

• The robot accurately remembers the last position in the text and resumes reading from that point after doing something else.

Time Constraint: 🔗

Minimum: 2 min Maximum: 5 min

Test Case 3.1B

Objective:

Verify that the NAO robot can switch between different languages seamlessly during a reading session.

(Unsuccessful)

Test Type: Functional Execution Type: Manual

Setup: 🔗

- Ensure the NAO robot is powered on, connected, and configured with multiple language options.
- The robot has text content available in different languages.

Pre-Conditions: 🔗

• The NAO robot is actively reading a text passage in one language.

Laptop	Robot (Unsuccessful)
Laptop	 Test Steps: ② Type "hi, readmate" and place the text in front of the laptop camera to initialize the robot and begin text recognition. Type "readmate, start read" to initiate reading. Issue a command to switch to a different language "french" or "chinese". Ensure that the robot respond with "The language has been changed to [language chosen]" Verify that the robot continues reading the text in the new language. Issue a command to switch back to "English". Ensure that the transition between languages is
	smooth, with no loss of content or misinterpretation.

Expected Result: 🔗

• The robot switches between languages seamlessly, continuing to read from the same position in the text in the selected language.

• Minimum: 5 min
• Maximum: 10 min

Test Case 3.1C (NOT IMPLEMENTED)

Objective:

Verify that the NAO robot can bookmark specific sections of a book using voice commands and return to those sections when requested. (Unsuccessful)

Test Type: Functional	Execution Type: Manual
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Setup: 🔗

- Ensure the NAO robot is powered on and connected.
- The robot has the capability to bookmark and return to specific text sections.

Test Steps: ⊘