# 6.2.1 Intended Learning Outcomes (ILOs)

The course-level pattern **Engineer/Inventor (Engineering Design + Self-directed Learning)** has provided some intended learning outcome patterns for you. However, you still need to customise the patterns or add new ILOs to complete your learning design.

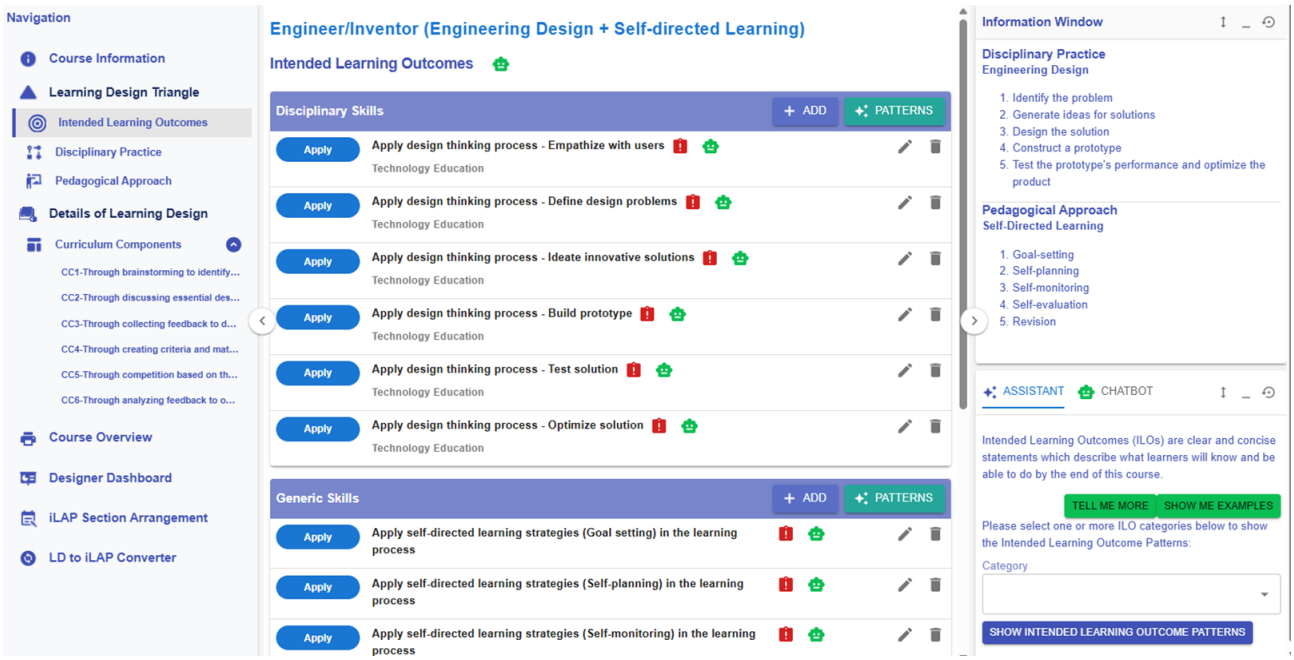



Figure 6.4: Learning Design Triangle Section - Intended Learning Outcomes

For the following part, you will explore how to add the new ILOs to the design.

> For guidance on developing strong ILOs, refer to **Chapter 2.2 - Intended Learning Outcomes (ILOs)**

In the LDS, there are four categories of Intended Learning Outcomes (ILOs):

- **Disciplinary Knowledge**: The core concepts, theories, facts, and frameworks that are recognized and developed within a particular field or area of study.
- **Disciplinary Skills**: The specific techniques, methods, and competencies associated with a particular field or area of study.
- **Generic Skills**: The broad abilities that help people succeed in education, work, and daily life, regardless of a particular field or area of study.

- **Values & Attitudes**: The beliefs, principles, and dispositions that guide a person's behavior, decision-making, and interactions with others.

# Adding a New ILO

There are two ways to add a new ILO: (1) using the ILO patterns or (2) writing it yourself.

### 1. Use the ILO Patterns

- You will use our pre-defined pattern to indicate what students is expected to achieve as a result of the learning process.

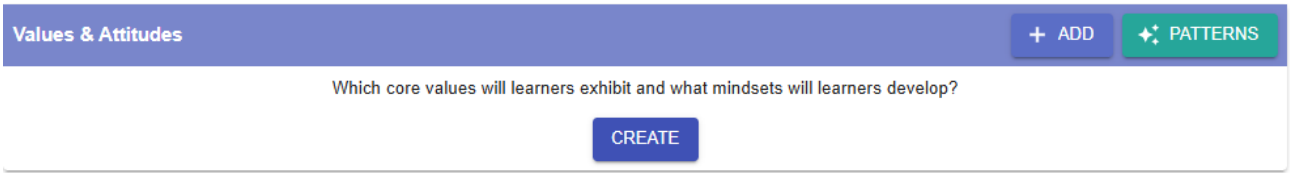



Figure 6.5: Intended Learning Outcomes - Values & Attitude

- For example, if you want to create an ILO for the **Values & Attitude** category, we can create one by using the ILO patterns.

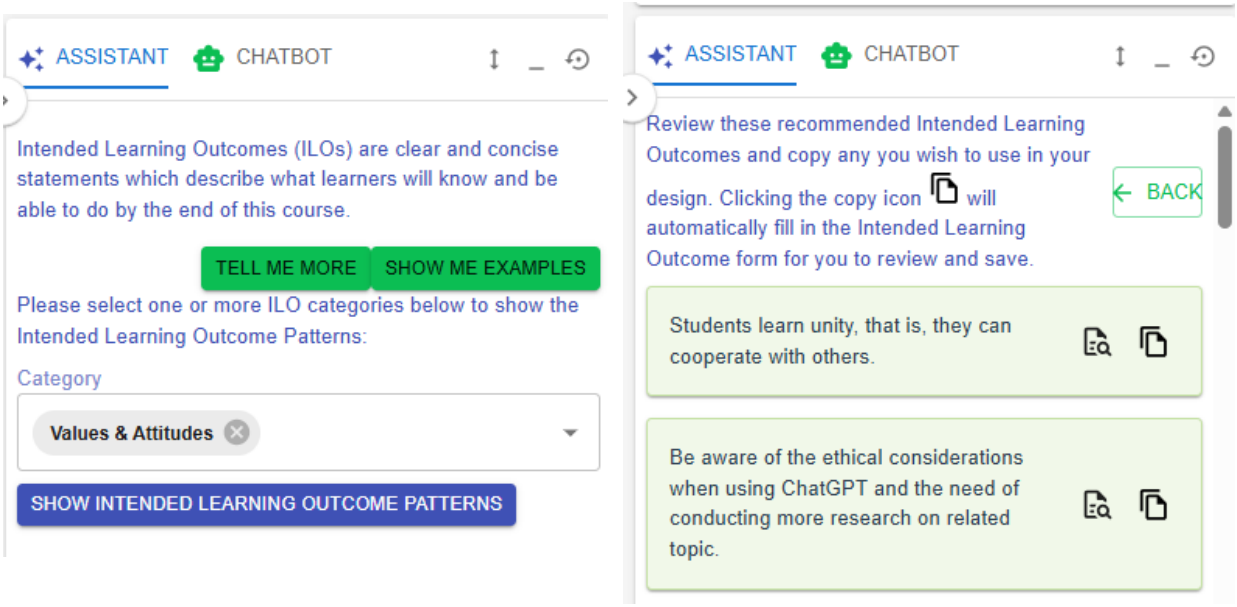



Figure 6.6: The ILOs Patterns in the LDS Facilitator

- After selecting the targeted ILO category in the Learning Design Facilitator, click the **"SHOW INTENDED LEARNING OUTCOME PATTERNS"** button to view suggested patterns. Alternatively, you can click the PATTERNS button to instantly activate the pattern list.
- By clicking the button, you can explore the details of the targeted ILO.

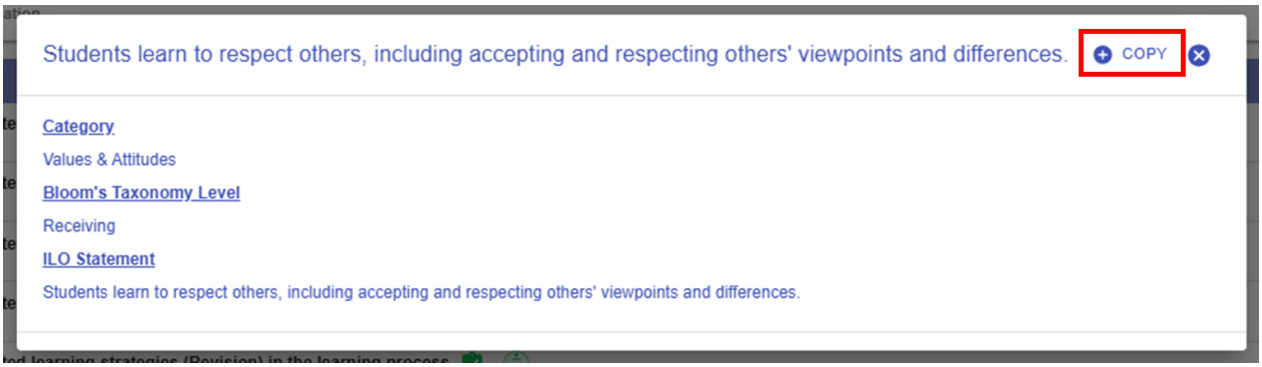



Figure 6.7: Details of the Targeted ILO Pattern (1)

- You can use the targeted ILO pattern directly by clicking **"COPY"** button in the new pop-up window, or by clicking the button in the Learning Design Facilitator. The ILO pattern details will be auto-filled into the LDS.

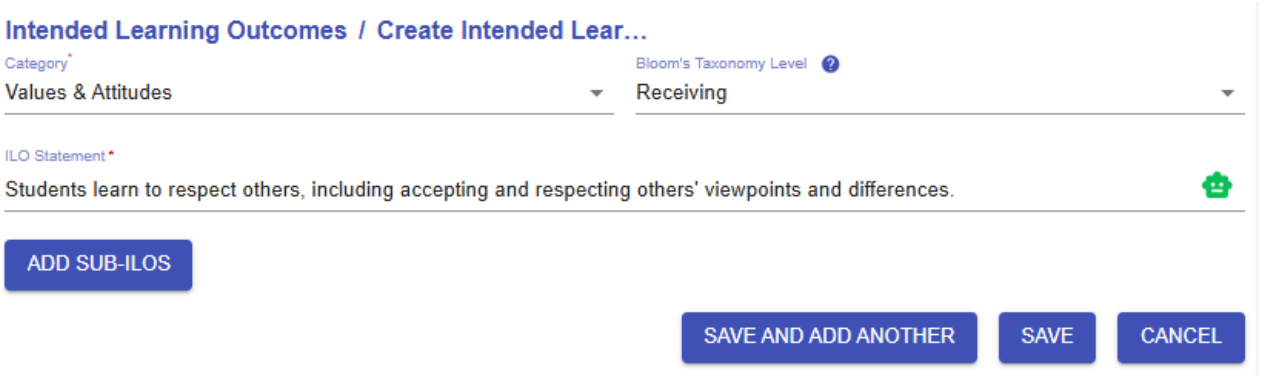



Figure 6.8: Details of the Targeted ILO Pattern (2)

- After copying the ILO pattern, you can see the ILO "Students learn to respect others, including accepting and respecting others' viewpoints and differences." appear in the ILO builder.
- To better fit our course context and the Bloom ‘s Taxonomy, we can modify it to: “Demonstrate willingness to accept and respect the elderly, including accepting and respecting their viewpoints and differences.”

## 2. Writing it Yourself

- In addition to using patterns, you may write a full ILO yourself.

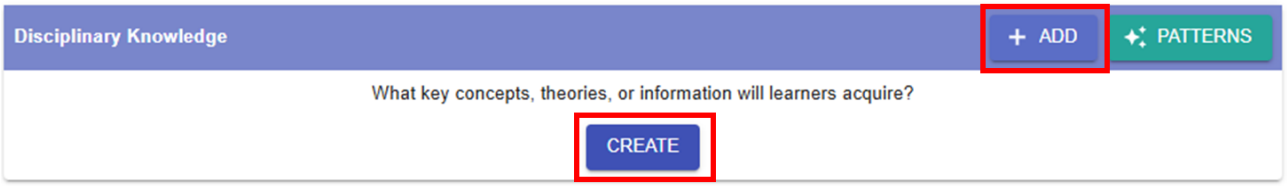



Figure 6.9: Adding a New ILO

- If you have not added any ILOs before, you can click the + ADD or CREATE button to add a new ILO.

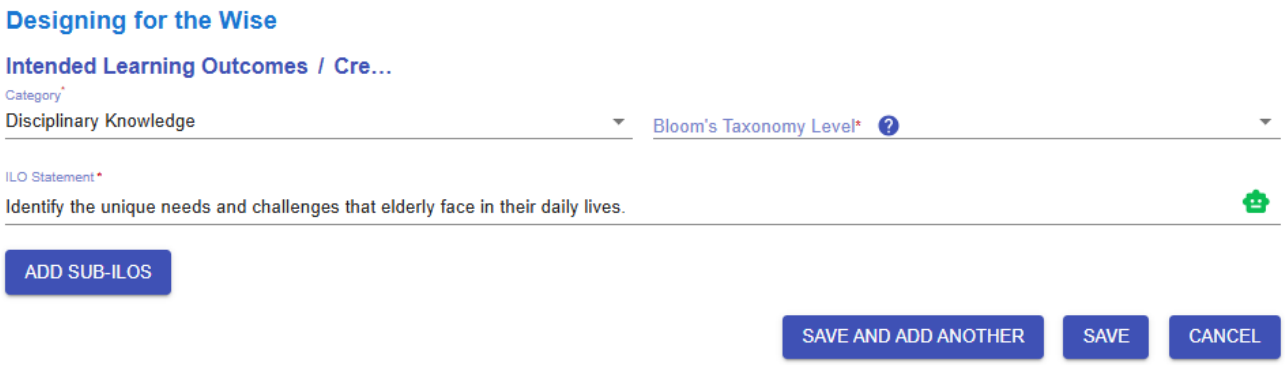



Figure 6.10: Interface of the ILO Builder (1)

- We will review each field in the ILO Builder below.

**1. Subject/Discipline(s)**




Figure 6.11: Interface of the ILO Builder (2)

- Select the appropriate discipline(s) for each ILO as needed.

**2. Category**

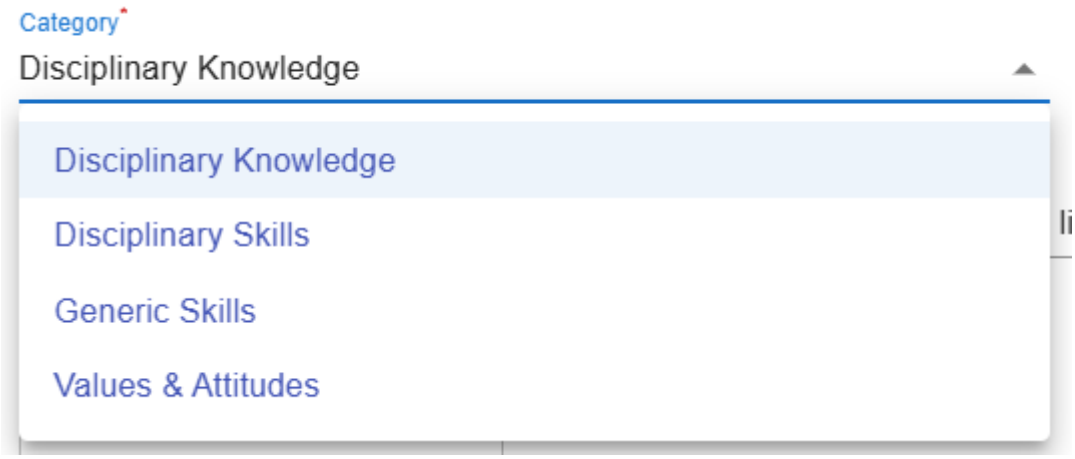



Figure 6.12: Interface of the ILO Builder (3)

- Select the category of ILO: **Disciplinary Knowledge, Disciplinary Skills, Generic Skills, or Values & Attitudes**.

**3. Bloom's Taxonomy Level**

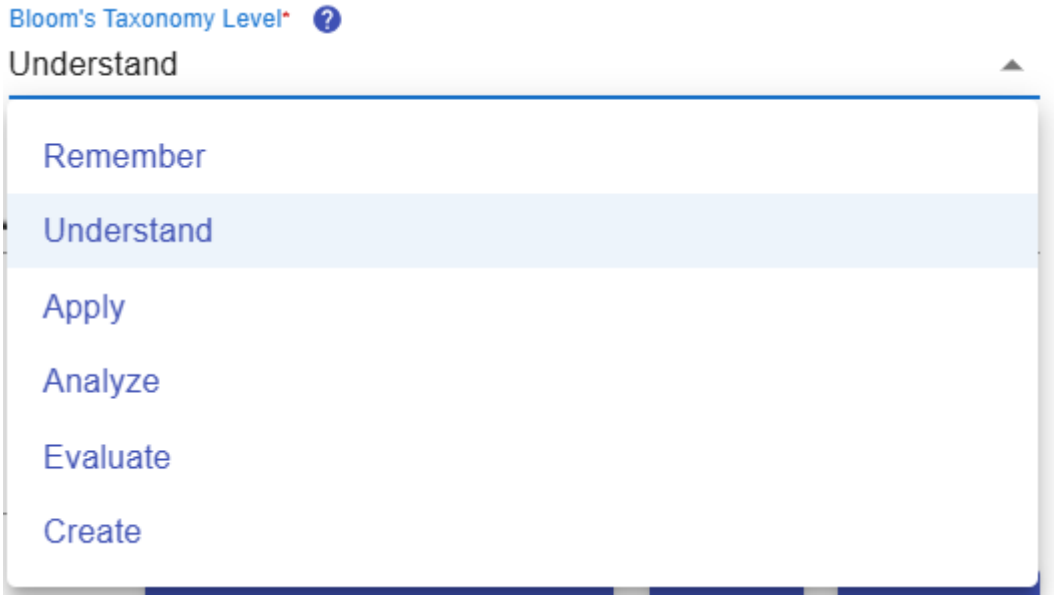



Figure 6.13: Interface of the ILO Builder (4)

- Select the Bloom's Taxonomy level that best reflects the intended skill, knowledge, or value for this outcome (e.g., Remember, Apply, Evaluate).

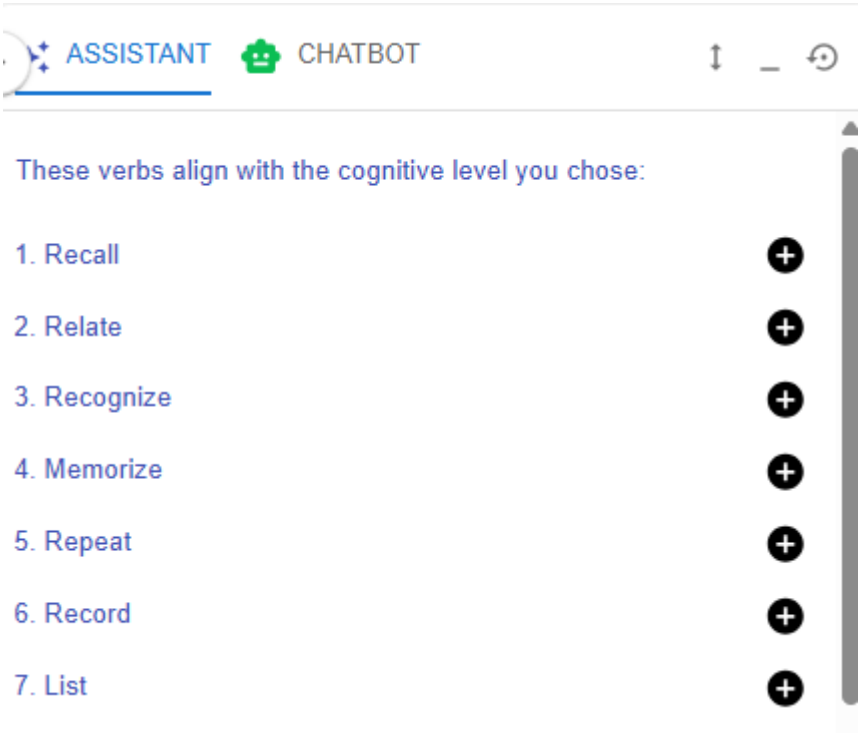



Figure 6.14: Writing a ILO with the Learning Design Facilitator

- After selecting the Bloom's Taxonomy level, the Learning Design Facilitator will recommend suitable action verbs to help you formulate your ILOs.
- Choose the appropriate action verb that best reflects the skill, knowledge, or value targeted by your ILO.

**4. ILO and Learning Design Facilitator**

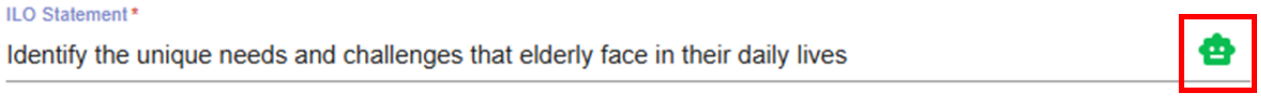



Figure 6.15: Interface of the ILO Builder (5)

- Click the Learning Design Facilitator button to request feedback from the chatbot on your ILO.

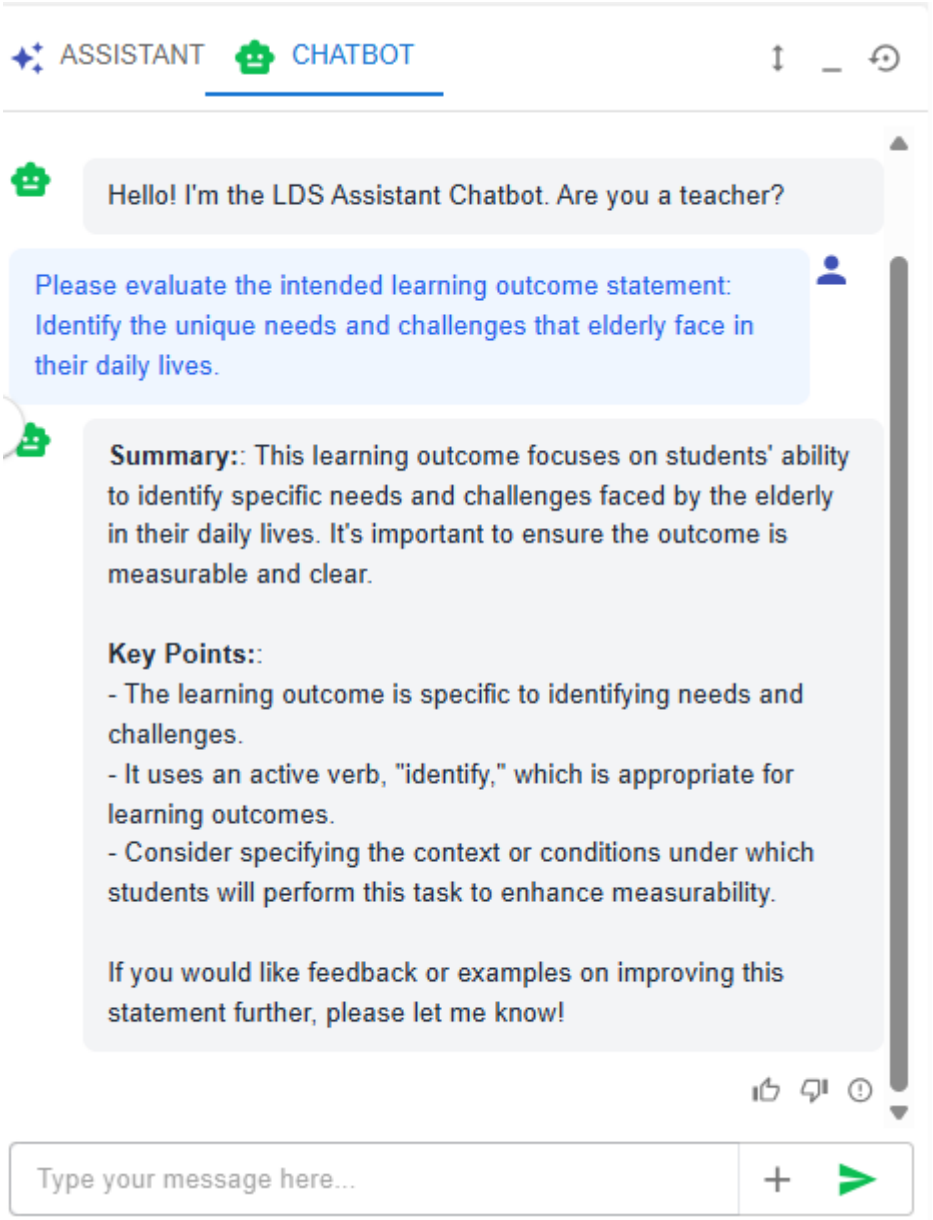



Figure 6.16: Writing a ILO with the Chatbot

**5. Sub-ILO(s)**




Figure 6.17: Interface of the ILO Builder (6)

- To provide greater clarity, an ILO can be subdivided into more detailed sub-ILOs as needed.

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