

Example tasks of varying complexity, ranked on a scale from 1 (simple) to 5 (complex).

Level of Complexity	Description	Sample Tasks	Comments
Complexity: 1	Simple information retrieval tasks include customization elements (location links, level expectations, and so on).	Check the weather forecast for tomorrow in Liberec (Czech Republic).	This is a straightforward information retrieval task, requiring a basic contextual understanding of location and date.
		Find the cheapest bus from Liberec to Prague tomorrow morning.	This task involves a simple command to set an alarm at a specified time, which is commonly supported by voice assistants.
Complexity: 2	Complex information retrieval tasks satisfy a set of predefined criteria.	Find nearby a programming course with good reviews, whose completion will facilitate my further employment in an IT company in the Czech Republic.	This task requires the chatbot to search for location-based recommendations and filter results based on user-defined criteria (good reviews).
		Schedule a meeting with a dentist for next Monday at 3:00 PM.	The chatbot must correctly interpret the command, identify the correct date for "next Monday," create an event in the calendar, or suggest another way of completing the assignment.
Complexity: 3	Translation tasks. Creativity tasks.	Translate an abstract from a provisional Bachelor thesis (quote) from Czech into English.	The chatbot needs to correctly interpret the input and provide a direct translation into another language.
		Create a list of elective subjects that TUL students are recommended to add to their study program if they want to improve their command of EFL Methodology.	This task involves creating a list and requires the chatbot to accurately recognize and store multiple items.
Complexity: 4	Analysis and synthesis tasks involving a high degree of personal customization. Relationship and attitude tasks.	Help me improve my relationship with my girlfriend/boyfriend.	This personalized task involves diagnosing a problem with multiple potential causes and providing step-by-step troubleshooting advice, requiring advanced contextual understanding and problem-solving.
		Generate an application letter considering my qualifications and the position advertised.	The chatbot must create a sample that aligns with specific requirements, involving a comprehensive understanding and synthesis of information across multiple criteria.
Complexity: 5	Tasks involving expression of empathy and emotional intelligence.	Give me advice on a complex ethical situation, such as whether to report a colleague's misconduct.	Chatbots might not handle the nuances and moral implications effectively, whereas human advisors can offer more context-sensitive guidance to elicit the expected answer. Prompting is needed to explain the nuances of the situation and arrive at a satisfactory outcome.
		A user expresses feelings of severe depression or is in a crisis and asks for counselling.	A chatbot might struggle to offer the nuanced empathy and support needed. Human counsellors or support specialists can provide personalized, empathetic responses and appropriate intervention.