

Algorithmic foundations and ethics in Al: from theory to practice course

CU1 | Al ethics - a practical approach
Formative assessment exercise



Formative assessment exercise





Formative assessment exercise

	Description	Comments
Task description	Familiarize yourself with HLEG's ALTAI portal. This task will help you gain insights into ethical AI practices and how to apply them using the ALTAI framework.	
Description of how to do the task	Supply the answers in the format given by the teacher.	You can find detailed information from the next pages. Follow the instructions and you'll find all answers.
Estimated time to do the task	30-60 minutes.	
Suggestion of sources for doing the task	 Questions 1, 2 and 3: https://futurium.ec.europa.eu/en/european-ai-alliance/pages/welcome-altai-portal Question 4: CU booklet and e-learning course 	
Detailed description of how to deliver the task	Moodle	
Information on the deadline for the task delivery	See Moodle	
Contact information or how to clarify doubts	Contact your teacher.	



Formative assessment exercise Instructions

Answer to four (4) questions outlined below.

The Assessment List for Trustworthy Artificial Intelligence (ALTAI), is a practical tool that helps business and organizations to self-assess the trustworthiness of their AI systems under development. This task will help you to familiarize yourself with the tool.

The concept of Trustworthy AI was introduced by the <u>High-Level Expert Group on AI</u> (AI HLEG) in the <u>Ethics Guidelines for Trustworthy Artificial Intelligence</u> (AI) and is based on seven key requirements.

- 1. Which are the 7 key requirements of trustworthy AI, which AI HLEG has defined in the Altai homepage?
 - Check the Altai homepage to find this information.
- 2. Since the assessment of the AI solution is best completed involving a multidisciplinary team of people from within or outside the organization, who are the stakeholders you should involve into your AI development project according to ALTAI?

You find this information following "Step 3: practical information on how to complete ALTAI" from the Altai homepage

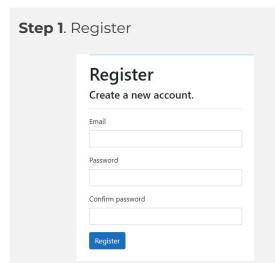
- 3. How is AI lifecycle described in the ALTAI tool?
 - Follow the instructions in the next page to see how to find this information in the ALTAI prototype.
- 4. Which steps are included in the AI development lifecycle presented in the CU1?

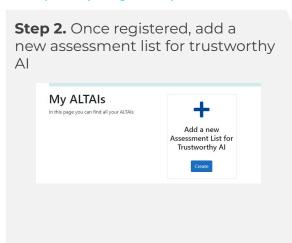
You can find this information in the e-learning course and the booklet.

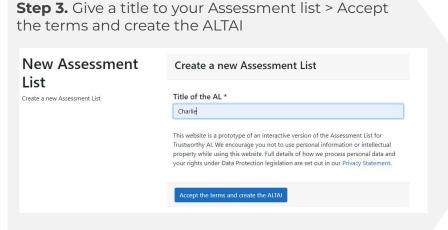


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Question 3 | step by step instructions on how to find the answer

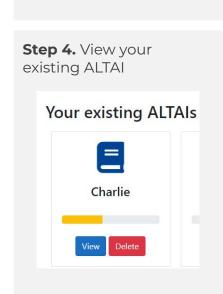




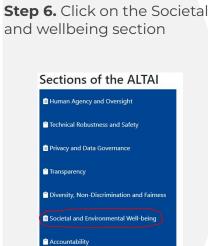


Step 7. Answer yes or no to this question

O No







Where possible, did you establish mechanisms to evaluate the environmental impact of the AI system's development, deployment and/or use (for example amount of energy used and carbon emissions)? ONo. Step 8. Hoover over the lifecycle word and you'll have the answer Did you define measures to reduce the environmental impact of the AI system throughout its lifecycle? *

THANKYOU

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