

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

CU1 | AI 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	<ul style="list-style-type: none"> 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.	

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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 [High-Level Expert Group on AI](#) (AI HLEG) in the [Ethics Guidelines for Trustworthy Artificial Intelligence](#) (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 CUI?

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 1. Register

Register
Create a new account.

Email

Password

Confirm password

[Register](#)

Step 2. Once registered, add a new assessment list for trustworthy AI

My ALTAs
In this page you can find all your ALTAs

[Add a new Assessment List for Trustworthy AI](#)

[Create](#)

Step 3. Give a title to your Assessment list > Accept the terms and create the ALTAI

New Assessment List
Create a new Assessment List

Create a new Assessment List


Title of the AL *

This website is a prototype of an interactive version of the Assessment List for Trustworthy AI. We encourage you not to use personal information or intellectual property while using this website. Full details of how we process personal data and your rights under Data Protection legislation are set out in our [Privacy Statement](#).

[Accept the terms and create the ALTAI](#)

Step 4. View your existing ALTAI

Your existing ALTAs


Charlie

[View](#) [Delete](#)

Step 5. Click on the sections to see the content of the ALTAI tool

Sections of the ALTAI

- [Human Agency and Oversight](#)
- [Technical Robustness and Safety](#)
- [Privacy and Data Governance](#)
- [Transparency](#)
- [Diversity, Non-Discrimination and Fairness](#)
- [Societal and Environmental Well-being](#)
- [Accountability](#)

Step 6. Click on the Societal and wellbeing section

Sections of the ALTAI

- [Human Agency and Oversight](#)
- [Technical Robustness and Safety](#)
- [Privacy and Data Governance](#)
- [Transparency](#)
- [Diversity, Non-Discrimination and Fairness](#)
- [Societal and Environmental Well-being](#)
- [Accountability](#)

Step 7. Answer yes or no to this question

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)?

☐ Yes ☐ No

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? *

☐ Yes ☐ No

THANK YOU

Project number | 2022-1-ES01-KA220-HED-000085257



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