1 Project's Title

TAsk - The TA to ask when you doing task

2 Project Description

Our project is an AI web application, a chatbot that can answer questions related to your assignment no matter the subject. It is meant to offer explanations about the problem the user wants to approach. This hint concept will help the students create a step-by-step solution which is able to make them develop a rational and well-explained option to solve their problem. The user can give input pieces of code, text-based questions or can upload any type of file. It will not provide the solution, but it will rather give hints in order to have a better understanding of your task. Moreover, the user is able to see the history of interactions between them and the chatbot from newest to oldest. When it comes to talking about the technologies we used, we can mention the API, provided by JetBrains, for the IDE we choose Visual Studio. Python was the most efficient programming language for defining the functions utilised by the AI. Figma was used for the design process since it creates user-friendly interfaces for web applications. We coded the front end with React in order to make the designs and components created in Figma functional.

3 How to Use the Project

Before being able to use the chatbot, you should Sign Up or Log In to an already existing account.
The discussion with the bot will happen on the right side of the screen where you can see your chatting history regarding each task. You introduce your code either by text in the designated space or by uploading a file by using the attachment icon. After reaching the desired outcome, you can simply download the file by using the appropriate button.
If you decide to revisit your old conversations about a problem you can go to "My Tasks" and see your history.

4 Credits

Team: **Taga Stefan, Daria Maria Anghel, Iacob Elena, Manole Miruna, Brujban Robert, Cimpean Eduard**
Our team based their project on the instructions provided by JetBrains

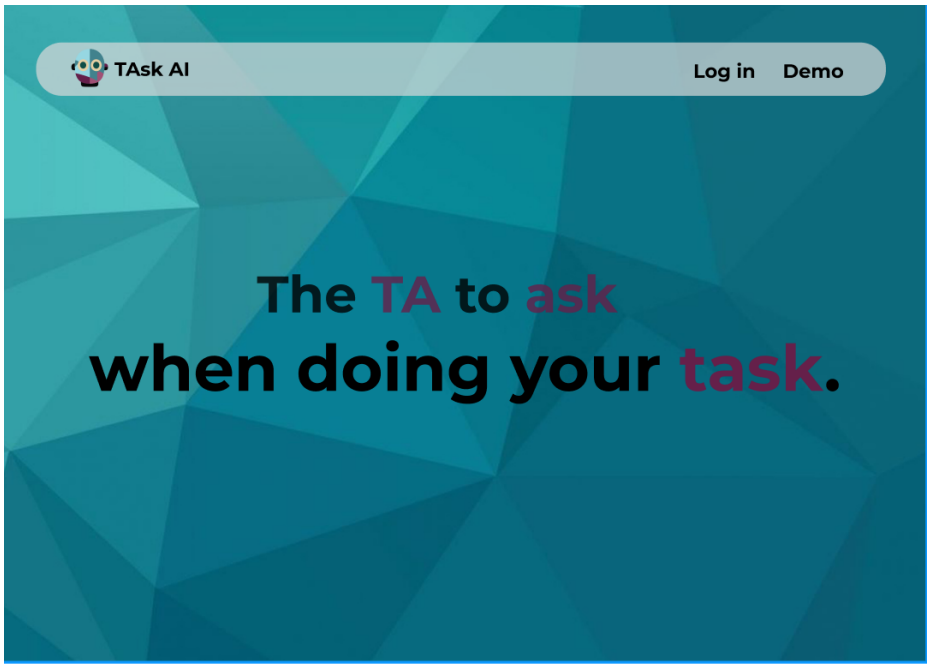
TAsk AI
Log in
Demo
The TA to ask
when doing your task.

Fig. 1.

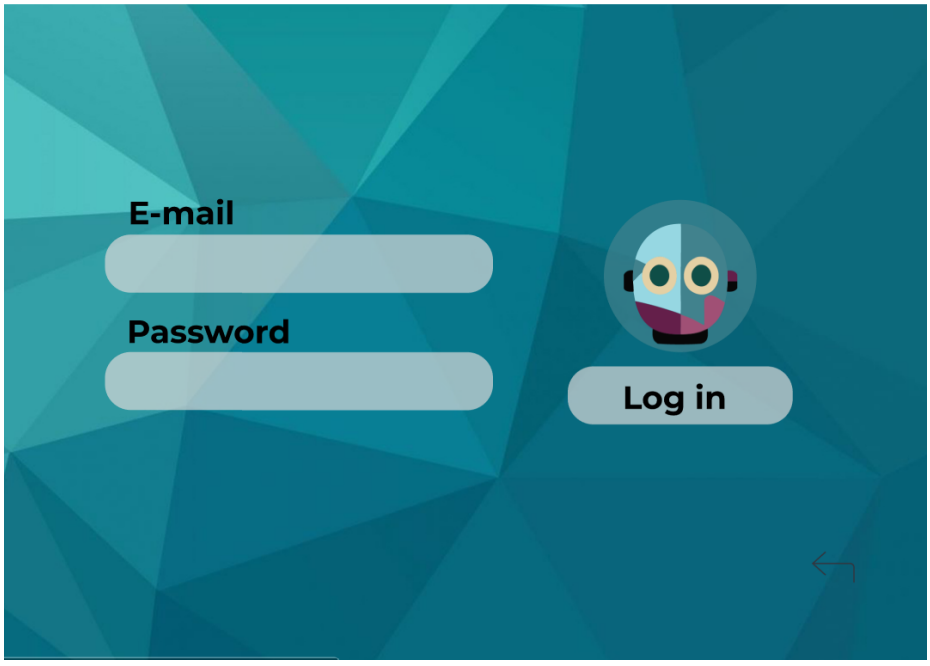
E-mail
Password
Log in

Fig. 2.


TAsk AI
Home
My tasks
Contact tutor
Hi, how can I help you?
Ask TA something...
Add your code in text or as a file
txt.

Fig. 3.


TAsk AI
Home
My tasks
Contact tutor
Hi, how can I help you?
I'm struggling with this math problem.
Of course! I'm here to assist.
It's this calculus question. I can't figure out how to find the derivative of this function: f(x) = 3x^2 + 2x + 5.
Let's tackle it step by step. The function is f(x) = 3x^2 + 2x + 5. To find the derivative, we'll use the power rule. Are you familiar with that?
Yes
So, for the first term, 3x^2, the derivative will be 6x (2 * 3x^(2-1)). Now, let's move on to the next term, 2x.
So, for 2x, it'll be 2?
Almost there! We need to multiply the coefficient (2) by the exponent (1), giving us 2x^(1-1), which simplifies to 2. And don't forget to include the variable x.
Add your code in text or as a file
txt.

Fig. 4.


TAsk AI
Home
My tasks
Contact tutor
for agent1, input1 in previous_state.get_predicate("has_expressiveness"):
for agent2, _, input2 in previous_state.get_predicate_by_agent("has_channel_strength", agent1, 0):
for _, input3 in previous_state.get_predicate_by_agent("has_openness", agent2, 0):
contagion_strength = input1 * input2 * input3
new_predicate = Predicate("has_contagion_strength", [agent1], contagion_strength)
states[t].add_predicate_to_state(new_predicate)
Download task
Name....
Save
txt.
Hi, how can I help you?
I have a problem with my code.
Insert the code below and I will highlight if you have any mistakes.
What are the following steps?
It's an indentation error, as this is a Python code

Fig. 5.

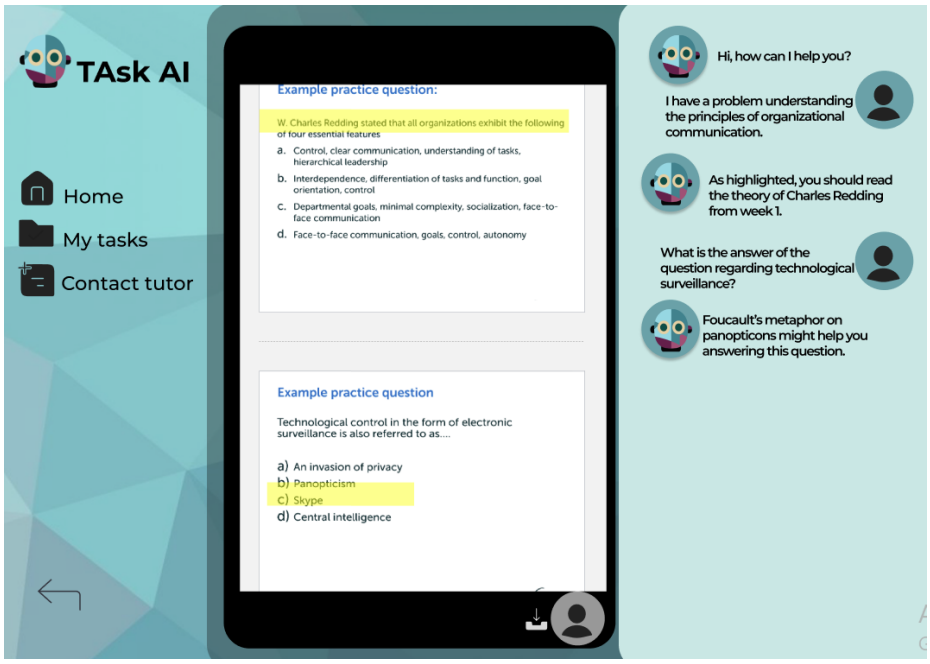
TAsk AI
Home
My tasks
Contact tutor
Example practice question:
W. Charles Redding stated that all organizations exhibit the following of four essential features
a. Control, clear communication, understanding of tasks, hierarchical leadership
b. Interdependence, differentiation of tasks and function, goal orientation, control
c. Departmental goals, minimal complexity, socialization, face-to-face communication
d. Face-to-face communication, goals, control, autonomy
Example practice question
Technological control in the form of electronic surveillance is also referred to as....
a) An invasion of privacy
b) Panopticism
c) Skype
d) Central intelligence
Hi, how can I help you?
I have a problem understanding the principles of organizational communication.
As highlighted, you should read the theory of Charles Redding from week 1.
What is the answer of the question regarding technological surveillance?
Foucault's metaphor on panopticons might help you answering this question.

Fig. 6.

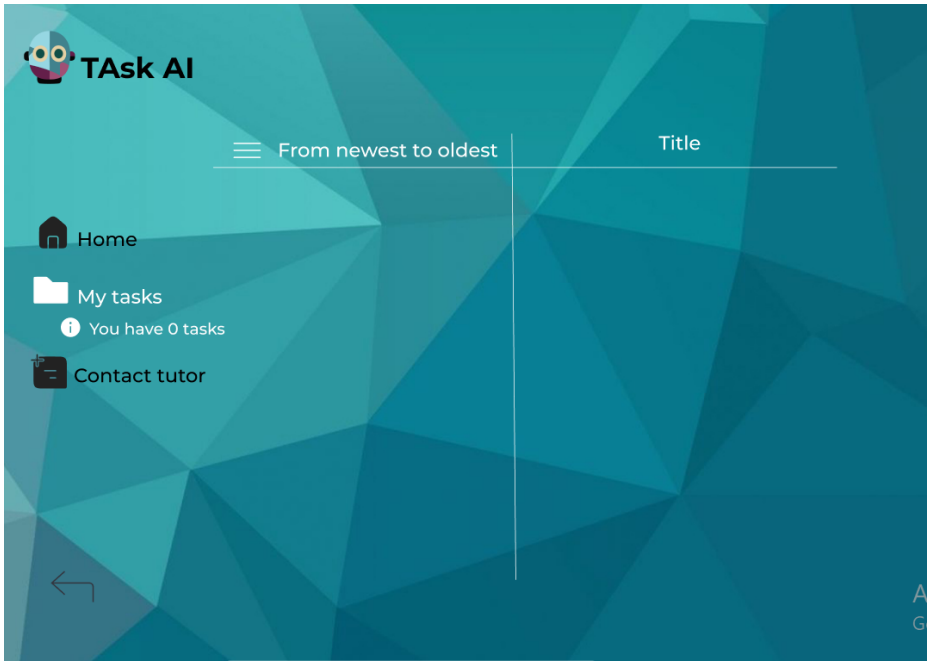
TAsk AI
From newest to oldest
Title
Home
My tasks
You have 0 tasks
Contact tutor

Fig. 7.

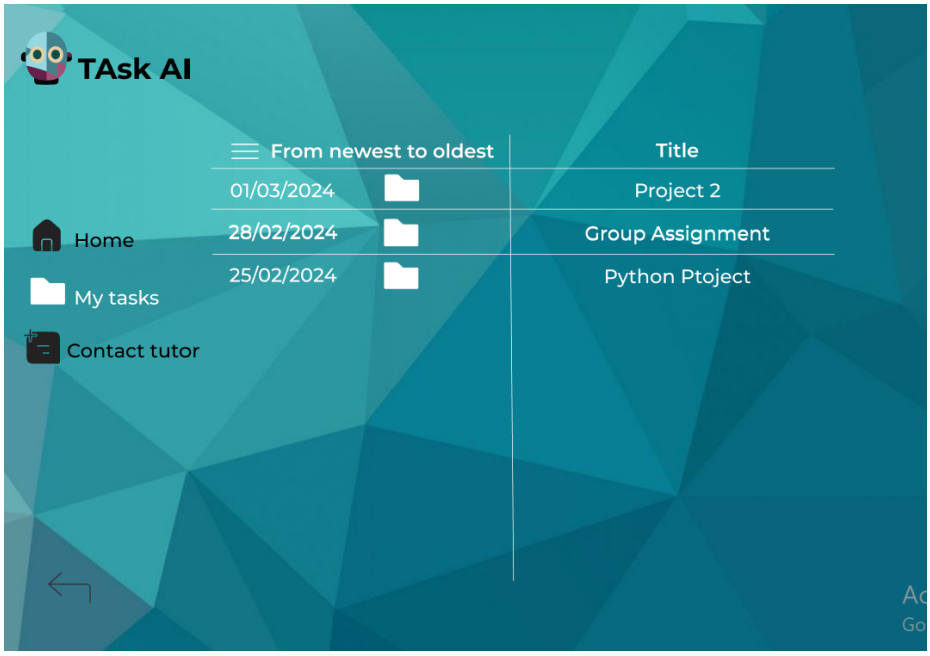
TAsk AI
From newest to oldest
Title
01/03/2024
Project 2
28/02/2024
Group Assignment
25/02/2024
Python Ptoject
Home
My tasks
Contact tutor

Fig. 8.

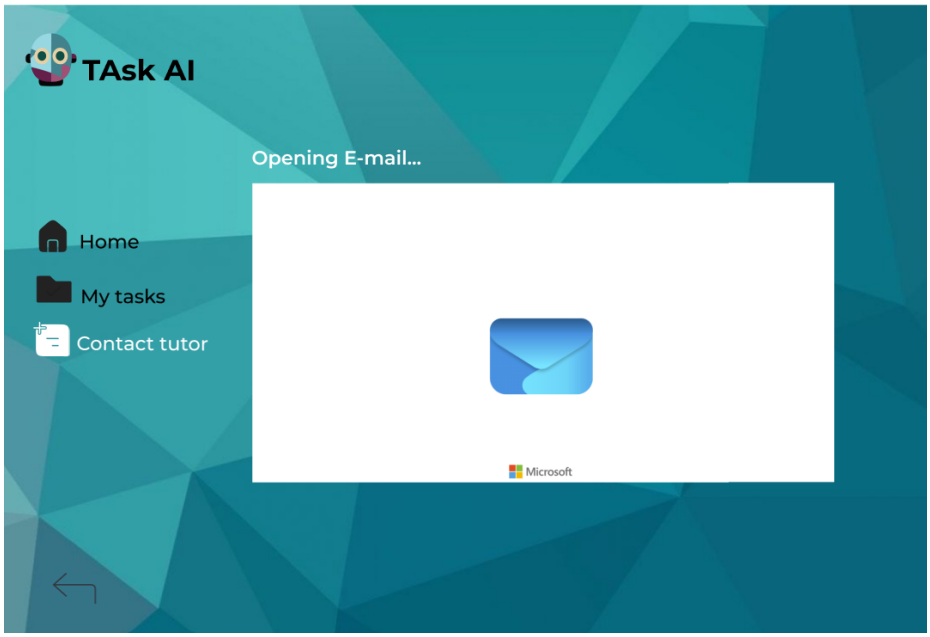
TAsk AI
Opening E-mail...
Home
My tasks
Contact tutor
Microsoft

Fig. 9.