**CS405 Project 1: 3D Animations using ChatGPT Report**

**Task 1**  
Chatgpt link: <https://chat.openai.com/share/babd8675-16dd-4f02-8462-c6dda00c7089>  
First of all, I asked the chatgpt to calculate the transformationMatrix. When paste the calculated matrix to the relevant part in the utils.js this was the cube:  
ekran görüntüsü, grafik, tasarım içeren bir resim

Açıklama otomatik olarak oluşturuldu

**Task 2**

I calculated the model view matrix by using the functions given in utils.js and parameters specified in transformation-prompt.txt. First, I created the identity matrix then applied the needed transformations and combined them all. Conclusion was not the same with chat gpt given matrix as seen in the picture below. It may be caused by ordering issues. It may be calculated the final matrix with applying transition matrixes in different order.

ekran görüntüsü, grafik, tasarım içeren bir resim

Açıklama otomatik olarak oluşturuldu

**Task 3**

Chat gpt link: <https://chat.openai.com/share/babd8675-16dd-4f02-8462-c6dda00c7089>

This time I asked the gpt to animate the cube. But it was hard to get the conclusion properly. Gpt animations were really different than expected. I try to improve my prompt according to the wrong conclusions. And the final result is perfect as you can see from the codes I provide. Issues were like deformation during the movement, the initial and translated cubes were good shaped but between the target positions it was getting a more like quadrangular shape. Other issues were about the not coming back to the initial position, starting the movement from the translated position, etc.