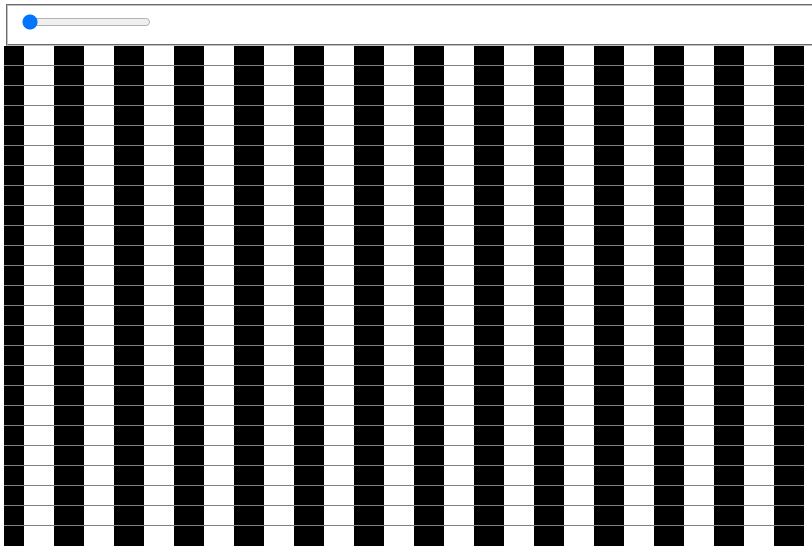
Exercise7 (20 points)

**Due: 26.06.2023 8AM**

**Contributor 1:**

**Contributor 2:**

****

**Ein Bild, das Text enthält.

Automatisch generierte Beschreibung**

**Task 2: Visual Illusion (12 points)**

For this exercise, your task is to implement a visual illusion as displayed above.

The illusion shall include:

* rectangular shapes allocated and filled with black and white as displayed
* a slider element that moves the bars horizontally and creates a similar illusion

There are no prepared files for your support this time. However, you may use previously written code as orientation.

**Task 2: Color Scales (8 points)**

**Task 2a) (4 points)**

Using your own words, what is a JND? Discuss its relation to marks and information encoding.

**Answer:**

**Task 2b) (4 points)**

Think of a real-world example on how to use color in a visualization.   
State **data**, **audience**, **task**, **visualization** and **marks**. Decide on its use of color (i.e. as a color scale) and justify your decisions.

**Answer:**

**After completing your answers, export the docx-File to PDF and upload it alongside the source code files.**

**Submission: Zipped folder including all necessary files and a PDF of the completed written exercise.**

Please form a group of **2 Students**. Only 1 member of the group must submit the exercise in ILIAS. Please state the collaborators in the beginning of the document.