Programming Extended Course - Creative Assignment III:

JavaScript on Earth.

Elon Musk needs tools to help find the perfect landing spot for the returning Martians.

Problem description
In 2068 SpaceX the Interplanetary Transport System (ITS) is returning to Earth. The now 97-year-old Elon always envisioned the Mars journey to be a round-trip. So 32 colonists are returning to their home planet.

Elon Musk asked The Hague University to help these ex-Martians. We need to find the perfect landing spot on here on the Earth surface. There are many factors to take into account when landing on our surface, for example:

- Incoming asteroids
- Clouds or general weather conditions
- Elevation of landing site
- Traveltime to the base station at the Kennedy Space Center, Cape Canaveral, Florida
- Previews of potential landing spots (images)
- Pubs near the landing site?

Assignment guidelines:

- Design and create an interface using at least two external API connection.
- Functionalities of these two API's should be effectively combined to support the landing of the spacecraft.
- Your interface should be interactive. It should enable user interaction with the API's
- Be innovative and dive into the external API possibilities.

Tips: Potentially interesting API's can be found on:

- OpenWeather: https://openweathermap.org/api
- NASA: https://api.nasa.gov/index.html
- Elevation: https://algorithmia.com/algorithms/Gaploid/Elevation
- A general list with lots of API's https://apilist.fun/
- Another list of API's https://github.com/toddmotto/public-apis

Different API's have different means of authentication. Please steer clear of API's that use OAUTH. This is a more complex (but more secure) authentication method that is beyond the scope of this course.