**Transportation Task Draft**

In this part of the dataset, we've focused on identifying nearby transportation options for Pure Gyms located in Copenhagen, Arhus, and Aalborg. To facilitate this, we utilized the Google Maps API. While this API offers powerful functionalities, we opted for its free version. Though it comes with certain limitations, it is sufficient for our needs.

Our dataset captures several pieces of information:

* **The Gym**: Identified by its specific name.
* **Coordinates of the Gym**: Specified by its latitude and longitude.
* **Transport Facility**: This includes its name, type (bus, train, or transit station), and its respective coordinates.

A key feature of our dataset is its ability to calculate the distance between a specific gym and its nearby transportation. For instance, consider a Pure Gym in Copenhagen located at **“lat: 55.669812“** and **“lng: 12.547390”**. If there's a bus station nearby, named lets say **"Kridt v/Rikke Frisk"**, with coordinates **“lat: 55.668036”** and **“lng: 12.551084”**, our dataset calculates and records their distance in this case as 305 meters. It's worth noting that the dataset currently searches for transportation options within a 500-meter radius of the gyms. However, this parameter can be easily adjusted in the code.

For the transportation types, our dataset exclusively focuses on bus stations (accessible as **bus\_station** in the Google Maps API for Python), train stations (**train\_station**), and transit stations (**transit\_station**) — the latter includes metro stations as well.