**Problem:**

The Commercial Software Engineering (CSE) team has an affection for food trucks and the variety of food that they provide in San Francisco. Unfortunately, the team struggles locating food trucks in a timely when they travel on assignments to client sites within the city.

**Solution:**

To solve this problem, a secure and scalable JSON endpoint that leverages the city of San Francisco’s published food truck open data program[[1]](#footnote-1). The city provides a weekly update of data that provides a list of food trucks in the city, their schedule, menu, and location. Our new system will import this information on a weekly basis, sanitize the data and expose a secure end point to our CSE team members.

The CSE team will be able to call the end point from the CLI tools installed on their laptops. This call will require them to provide their credentials, latitude and longitude in order to get a list of at least five food trucks in return. They can optionally add in a specific day and time to further refine their data as needed. If no trucks are available in their location the search radius will automatically expand to the closet available trucks. If no trucks are available for a given time the system will provide results for future times/locations of food trucks in the proposed area. The team has also requested that at least 5 food truck options be presented back when they provide their location information.

**Value:**

The new tool will increase employee satisfaction as they will be able to quickly locate a variety of food in San Francisco while working at client sites. This will also provide a time savings to the team as they will not have to spend a significant amount of time searching for meals during their work day.

1. https://data.sfgov.org/Economy-and-Community/Mobile-Food-Facility-Permit/rqzj-sfat/data [↑](#footnote-ref-1)