

Project Proposal: Brain Food - Feeding New Ideas

Where do you want to go today? – Microsoft, 1994

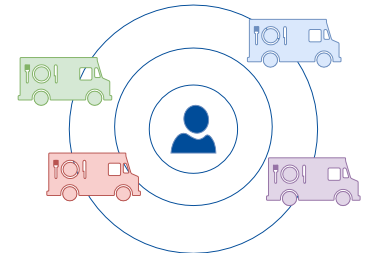
Current Situation

Employees are often on-site in various new and unfamiliar locations around the city of San Francisco on a regular basis. Therefore, to help sustain the drive and determination of these engineers they must eat! The complexity is to find convenient food options around the city dependent on the person's location and time. Food Trucks offer a good solution if the individual knew where they are located - thankfully the city of San Francisco publishes this data daily for public use.

Drawbacks: Frustration, Time waste, and therefore reduced Motivation

Proposed Solution

To build a location-based Web Application to expose the location and details of Food Trucks in the local vicinity of an Individual.



Objectives

1. A User can find at least 5 Food Trucks in their local vicinity via an online application using their current location
2. A User can search the Food Truck data using a search term or other input location

Approach

Utilize junior in-house development team to deliver the project in 2 weekly sprints, to help train team in Azure Platform as a Service, and provide useful benefit the San Francisco team.

Steps & Timeline

Architecture: .Net Core, Azure Cloud Hosted, AZ App Service, AZ Functions, AZ Table Storage



1	Develop of a server application to consume the Food Truck Data set via a CSV endpoint and store the most recent dataset in a database.	Time based Azure Function, Azure Table Storage	Software Engineer	2 Days - 1 Dev - 1 Test
2	Develop a WEBAPI to expose the data: - Define a view model for the Food Truck information - return a list of Food Trucks based on a provided location and optional radius parameter - return a list of Food Trucks based on a provided search term	Azure App Service	Software Engineer	3 Days - 2 Dev - 1 Test
3	Develop a simple web application with 2 views, an interactive Bing Map View and a List View with detail pane.	.Net Core, SPA, Azure App Service	Software Engineer	5 Days - 3 Dev - 2 Test
			Total Duration	10 Days

Stakeholders

Neil McKenna will be responsible for the delivery of the project team along with a software development manager.

Outcome

1. Employees can easily find food options in the area in which they are located for work.
2. Good end-to-end learning example for Junior Engineering team to work on.