**Working with AJAX**

**Overview**

In this lab, you'll create a JavaScript client to the REST API you created in the previous exercise.

**Source Folders**

* <LAB\_HOME>\labs\rest
* <LAB\_HOME>\solutions\ajax

**Familiarization**

Your task is to implement a JavaScript client that can call your REST API and:

1. List restaurants
2. Return a restaurant by ID (which will work for just the two provided restaurants)
3. Place an order

You will use some of the different AJAX APIs to implement these features so you can see some of the different techniques available for making REST calls.

In each of these exercises, **DO NOT** focus on formatting and presentation. Simple lists and paragraphs are fine. The focus of the exercise is on making the REST calls from the JavaScript and verifying that they have worked.

**Exercise 1: List the Restaurants**

In this first exercise, use the native XmlHttpRequest object to make a call to retrieve a list of restaurants, and then display the restaurant names and addresses in a list.

**Exercise 2: Display a Restaurant Menu**

Now implement the feature to get a specific restaurant by its ID and list some of the menu items. Complete this using a Promise and Fetch.

**Exercise 3: Submit an Order**

Create a simple form that will allow a user to submit a new order. Complete this using JQuery.