

# Assignment: Node Modules, Express and REST API

## Instructions

### Assignment Overview

In this assignment you will continue the exploration of Node modules, Express and the REST API. At the end of this assignment, you should have completed the following tasks to update the server:

- Created a Node module using Express router to support the routes for the dishes REST API.
- Created a Node module using Express router to support the routes for the promotions REST API.
- Created a Node module using Express router to support the routes for the leadership REST API.

### Assignment Requirements

The REST API for our Angular and Ionic/Cordova application that we built in the previous courses requires us to support the following REST API end points:

1. <http://localhost:3000/dishes>
2. <http://localhost:3000/promotions>
3. <http://localhost:3000/leadership>

We need to support GET, PUT, POST and DELETE operations on each of the three endpoints mentioned above, including supporting the use of route parameters to identify a specific dish, promotion and leader. We have already constructed the REST API for the dishes route in the previous exercise.

This assignment requires you to complete the following **three** tasks. Detailed instructions for each task are given below.

## Task 1

In this task you will create a separate Node module implementing an Express router to support the REST API for the dishes. You can reuse all the code that you implemented in the previous exercise. To do this, you need to complete the following:

- Create a Node module named *dishRouter.js* that implements the Express router for the /dishes REST API end point.
- Require the Node module you create above within your Express application and mount it on the /dishes route.

## Task 2

In this task you will create a separate Node module implementing an Express router to support the REST API for the promotions. To do this, you need to complete the following:

- Create a Node module named *promoRouter.js* that implements the Express router for the /promotions REST API end point.
- Require the Node module you create above within your Express application and mount it on the /promotions route.

## Task 3

In this task you will create a separate Node module implementing an Express router to support the REST API for the leadership. To do this, you need to complete the following:

- Create a Node module named *leaderRouter.js* that implements the Express router for the /leadership REST API end point.
- Require the Node module you create above within your Express application and mount it on the /leadership route.

## Review criterialess

Upon completion of the assignment, your submission will be reviewed based on the following criteria:

### Task 1:

- The new Node module, *dishRouter* is implemented and used within your server to support the /dishes end point.
- The REST API supports GET, POST and DELETE operations on /dishes and GET, PUT and DELETE operations on /dishes/:id end points.

### Task 2:

- The new Node module, *promoRouter* is implemented and used within your server to support the /promotions end point.
- The REST API supports GET, POST and DELETE operations on /promotions and GET, PUT and DELETE operations on /promotions/:id end points.

### Task 3:

- The new Node module, *leaderRouter* is implemented and used within your server to support the /leadership end point.
- The REST API supports GET, POST and DELETE operations on /leadership and GET, PUT and DELETE operations on /leadership/:id end points.