Due Date:

## 10/7/2017 @11:59PM

Assignment Details

* The assignment involves creating a very simple Pizza ordering web site with two pages
* The purpose of this assignment is to familiarize you with Node, Node modules, ExpressJS and a template engine like EJS
* Assignments must be done individually and there should be no sharing of work amongst students. If you are found in violation of this, you will receive a “0” for the assignment and will be reported to BCIT
* Your assignment must meet all the criteria below to receive full marks; however students are encouraged to go beyond the assignment requirements. But first make sure you meet the basic requirements specified here to meet the marking criteria.

# To Hand In:

* Assignments must be zipped (.zip extension) up and uploaded to the drop box folder for the Assignment 1
* Include a read me file explaining any required setup that the instructor should be aware to run your app. If you have made any assumptions and do not mention in your readme file, you may lose points
* **Do not wait till the last moment to submit your assignment as there is a possibility that dropbox does not respond on time. Upload a version of your assignment an hour or so before the deadline and then continue to work on your assignment to upload a newer version closer to the deadline**
* When submitting the assignment to the drop box, leave a comment stating how many hours you spent working on this assignment
* Assignment Zip files should be named as follows: FirstName\_LastName.zip
* **Assignment will not be accepted by email submissions. Do not email zip files to the instructor**

# Requirements:

The web site has two pages. The main page that allows the user to place an order and a second page that is displayed upon placing an order that displays the total cost and approximate time of delivery.

## Main Page/Order Page (15)

The order page displays the information about the size of the pizza, type of crust and available toppings. Use appropriate HTML controls like radio buttons and check box lists to display the information. The form also captures quantity, phone number and address information of the customer. When the submit button is clicked on this page it posts the data to the order confirmation page. **The data for the size, crust type, cost details and available toppings should not be hardcoded but instead read from a JSON data file that you provide in the web site. Perform any data validation required – entering invalid data should not crash the server. Explore NPMJS for a validation module and make use of it rather than hand coding the validation.**

## Order Confirmation Page (15)

The order confirmation page displays the details of the order along with the total cost of the order. The cost of the order is determined using the price calculator module described below. This page displays two buttons – one to cancel the order and the other to confirm the order. Cancelling the order simply returns to the previous page. Confirming the order displays an order confirmation message, approximate time of delivery for the pizza. Save each order’s data as a JSON file to a folder in your website when the order is confirmed. Explore the Node API to write the JSON file to the disk.

## Price Calculator Module (10)

Create a PriceCalculator module that computes the price (along with tax) of the order based on the size and toppings chosen**. Implement the PriceCalculator as an ES6 class and export it from the module**. All the code related to the calculation of the price for the order should be contained in this module.