# Code Sample

We’d like to get a sense of your programming style and abilities by providing you the opportunity to showcase your skills. We’ve chosen a simple software problem for you to solve.

The front-end will be written in JS/HTML/CSS. Feel free to use any JavaScript libraries you would like to.

The back-end will be written in the language of your choice.

Please provide unit-test as well.

We will not run your code but we will carefully look at the global design and coding style.

The goal is to provide a basic design in working code that meets the requirements.  However, you should consider good designprinciples as well as common coding grammar. Good luck!

# Basic Shopping Cart

You are writing a one-page web application that allows a user to order medications. The application will allow the user to enter a free-form text name for the medication, and the quantity they are ordering, for each line item. The user can enter an unlimited number of line items to their order. When the user enters an item, the code for your page will make an Ajax call to a web service that you write. The purpose of the web service is to return a per unit price for the medication. The price will be randomly generated by your web service code to be a value between $0.01 and $9,999.99. The web service must be idempotent. This means that if it is called again for the same item it will return the same value. When the user adds a line item to the cart a running total will be shown, including taxes. Taxes are always 9.71% for all items.