Rx Savings Solutions Backend Developer Code Challenge

Objective

Create a very basic API using tools and languages of your choice. The API will have a single endpoint/method with a single function.

API Input

1. User Location - The API will receive a latitude and longitude value which describes the current location of a user.

API Output

1. The API will return a simple response packet with the name and address of the pharmacy chosen by the application.
2. The distance between: the input latitude/longitude and the location of the pharmacy.

Business Requirements

1. The API will receive a latitude/longitude, using the provided list in pharmacies.csv the API will calculate the closest pharmacy to the input latitude/longitude.
2. The API will return the closest pharmacy (with name and address) in a consumable response packet.
3. The API will include the distance (in miles) between the input latitude/longitude and the selected closest pharmacy in the response packet.

Data

The actual list of pharmacies is included in csv format in an attached file named pharmacies.csv. Below is an example representation of the data for the purpose of instructions.

Pharmacy	Address	City	State	Zip Code	Latitude	Longitude
WALGREENS	7739 STATE AVE	KANSAS CITY	KS	66112	39.11578800	-94.75981000
CVS PHARMACY	3902 MAIN ST	KANSAS CITY	MO	64111	39.05597700	-94.58645000
WAL-MART PHARMACY	11601 E US HIGHWAY 40	KANSAS CITY	MO	64133	39.04479000	-94.44295000

Delivery Instructions

On completion, package up all source code, database exports, documentation, etc. into a .zip archive and send to Chris Nickols <cnickols@rxsavingsllc.com>. Please include any relevant instructions for configuring and/or executing the application.