**CS 590 – PARALLEL AND DISTRIBUTED COMPUTING**

**HOMEWORK 8**

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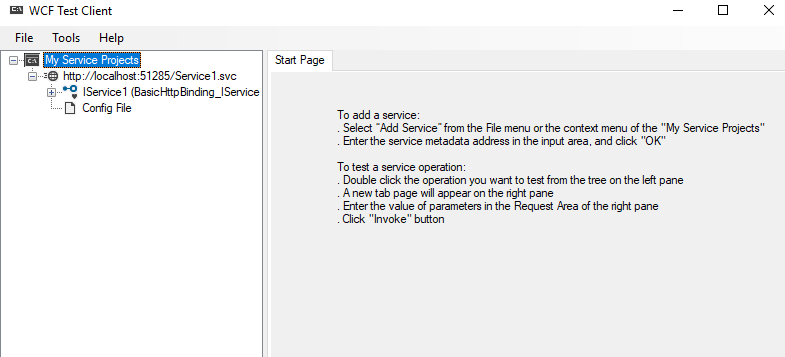
**INTRODUCTION**

The porpuse of this assignment is to practice and get to know how WCF works. In order to do that, we will try to convert the GA algorithm to a WCF provect and apply it to the salesman problem.

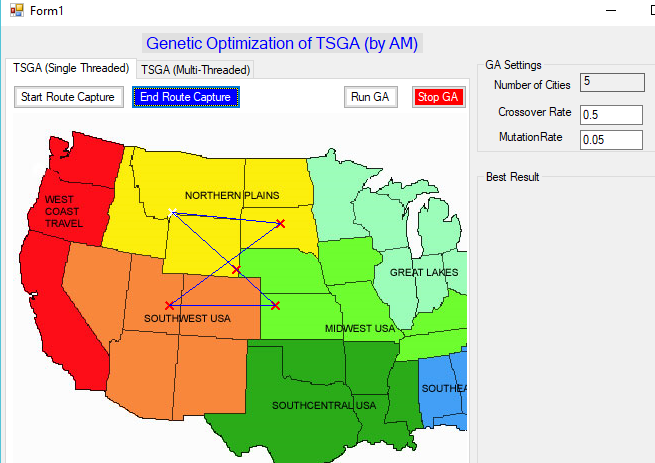
After multiple attempts, I was able to make it work for just the first part of the assignment. I could not make the part about sharing informations between threads work.

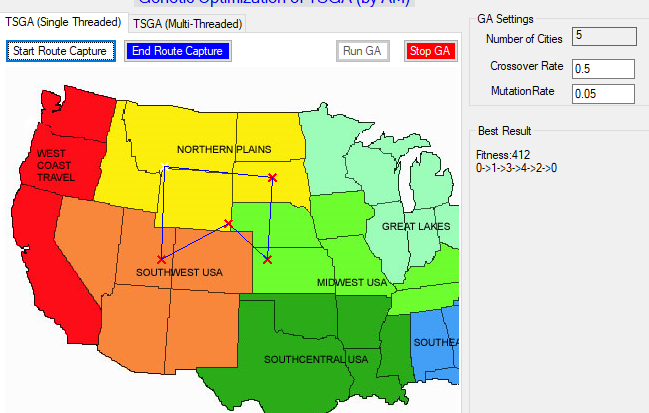
**SCREEN SHOTS:**

WCF hosted in a webpage, not in a windows App:

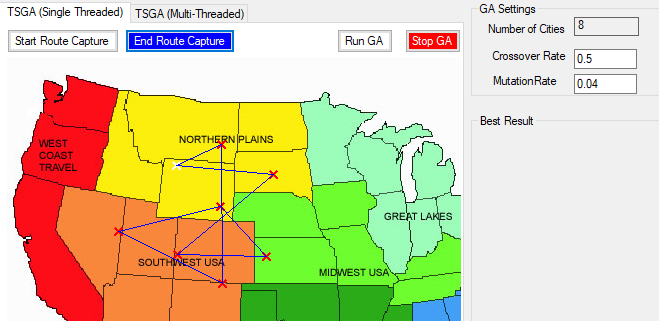
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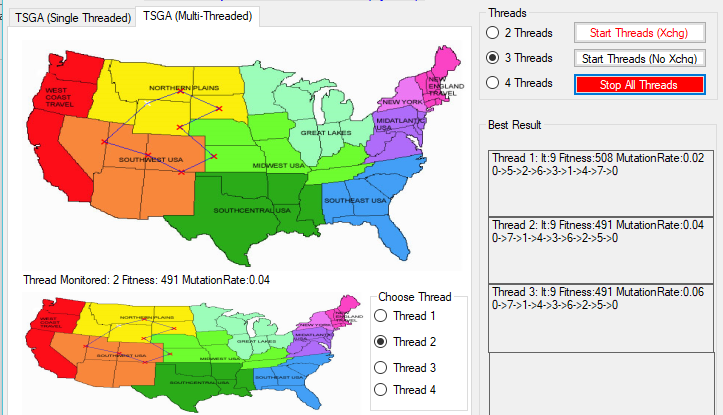
Initializing path to be solve using GA algorithm in a WCF service hosted on a web page, using single thread:

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Same problem but using multithreading and different data:





**Conclusion:**

After completing this assignment I was able to understand better how WCF work. Even though I was not able to complete this assignment 100%, after doing the first part, this assignment taught me how servers are created and hosted in a web page and how to connect the service via proxy with the clients.