**Assignment 4a Checklist**

**Functional Requirements**

User Provide Starting and Ending city as Number Done

User Specify starting time in 24 hour format without semicolon Done

User input order must be starting city, ending city, starting time Done

Program must not produce incorrect output or crash or hang if invalid input is used Done

Loop until user chooses a menu item that indicates that they want to quit Done

Find All route from one city to another Done

Find Best route from one city to another Done

Take time zones into account

Assume you can board connecting flight as soon as landed

**Result Requirements**

Result must be calculated and displayed when appropriate.

Result should include all layovers between cities.

Result must be in hh:mm format

When printing the output, list each leg of the plan with times and time zones

Sample:

Flying from Chicago to Austin.  
Starting from Chicago at 4:02 p.m. CST  
Leaving Chicago at 5:00 p.m. CST for Atlanta.  
Arriving in Atlanta at 8:40 p.m. EST.  
Leaving Atlanta at 9 a.m. EST next day for Austin.  
Arriving in Austin at 10:10 a.m. CST.  
Total travel time: 18:08

**Other Requirements**

Must use good structured design principles to modularize your code into functions

It must not use global variables or goto

Assume that the user will always enter less than 80 characters

If you wish, you can use the getNum() function provided previously

The program must be commented adequately and indented correctly