Main.py

```
import io

import gladysUserInterface as userInterface

"""

This is the main code. This is the .py file that you run to execute and run/start the application.
   Students do NOT need to change this code.

"""

userInterface.start()

# this is an example of the help command on a module. You can get help on # any python module The docstring documentation is what is displayed.
# help(userInterface)
```

gladysUserLogin.py

```
import io
"""

Student Name: Tuari Vo
Module: gladysUserLogin
Description: This module logs the users in through the user login and password
"""

def login():
    userIn = False

while (not userIn):
    print("Hello Please Enter Your Info")
    userInput1 = input("Enter Login: ")
    userInput2 = input("Enter Password: ")

if userInput1 == 'blt@gwm.com':
    userIn = True

if userInput2 == '123':
    userIn = True

if userIn = True:
    print("\n")
```

```
print("Successfully Login!")
print("\n")

else:
   print("Error: " + userInput1 + " is incorrect")
   print("Error: " + userInput2 + " is incorrect")
```

gladysUserInterface.py

```
11 11 11
import io
import gladysCompute as compute
import gladysSatellite as satellite
import gladysUserLogin as userLogin
11 11 11
n m m
def runTests():
def start():
```

```
def runApp(userName):
   while(not userQuit):
      print('Gladys West Map App')
```

```
print("ERROR: " + firstChar + "is not a valid command")
```

gladysSatellite.py

```
import io
import json

"""

Student: Lavon Nguyen, Tuari Vo

Module: gladysSatellite
```

```
11 11 11
def readSat(sat, pathToJSONDataFiles):
      print("ERROR: Unable to open the file " + filePath)
def gpsValue(x, y, sat):
```

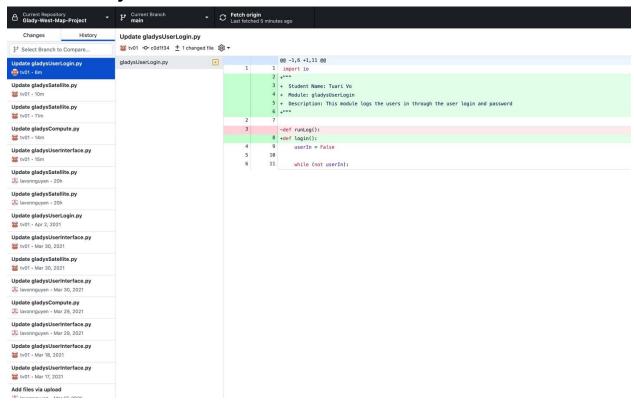
gladysCompute.py

```
import io
import gladysSatellite as satellite
11 11 11
11 11 11
def gpsAverage (x, y):
def distance (current, destination):
```

```
dist = (currGpsAverage ** 2 + destGpsAverage ** 2) ** 0.5

return dist
```

GitHub History and Commits:



Demo Video of Software Running:

https://www.youtube.com/watch?v=YCvr4ZInKRM