HELLO! WELCOME TO THE CMSC 150 APP USER'S GUIDE!

The following source files and libraries are needed:

```
source("QSI.r")            #inports the functions in the different r scripts
source("SIMPLEX.r")

library(shiny)      #libraries to be imported
library(markdown)
```

Make sure that all files are in the same directory (ALL THE FILES BELOW ARE NEEDED)

app	16/12/2022 6:42 pm	R Source File	9 KB
QSI	16/12/2022 6:33 pm	R Source File	11 KB
SIMPLEX	16/12/2022 5:55 pm	R Source File	5 KB

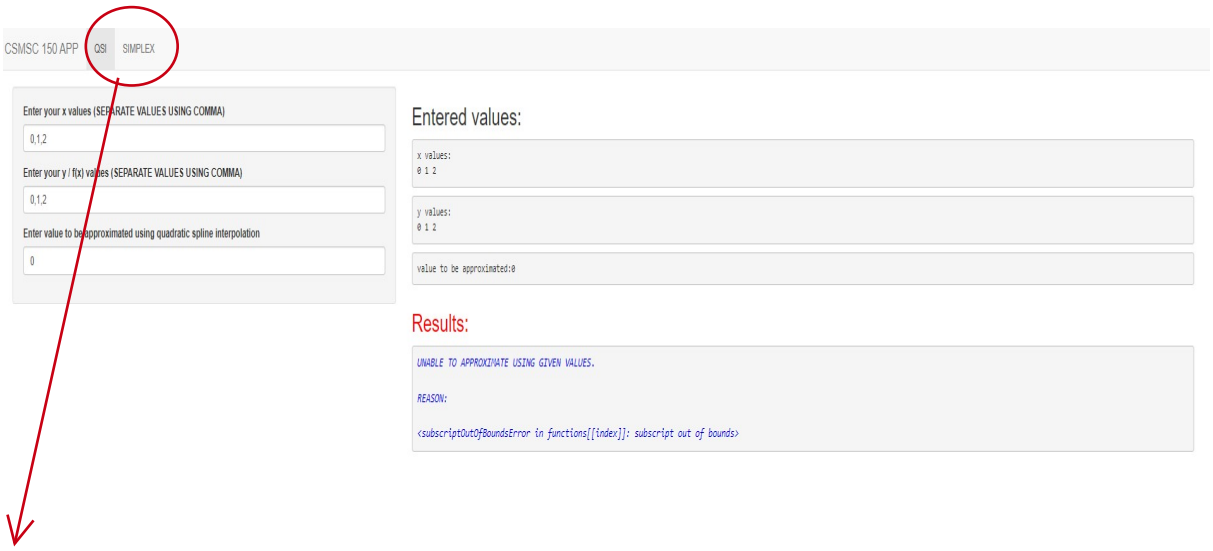
To run the file, you can enter in the console: runApp("<name_of_workspace_directory>")
See example below

```
> runApp("App-1")
[1] 400

Listening on http://127.0.0.1:6681
```

Or you can click the run app button located at the upper right of the main window

Once the app is running, you will see a navigational page where you can choose to perform QSI or Simplex



Clicking these tabs will allow you to switch between simplex and QSI

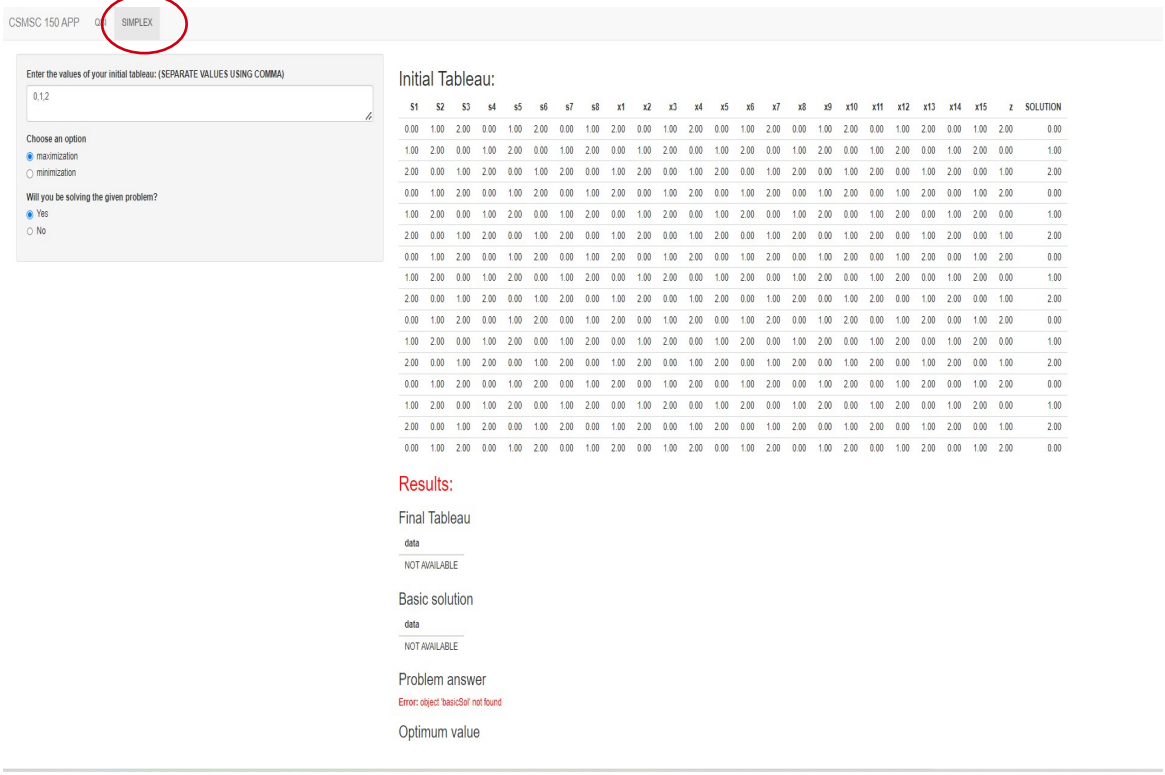
In the QSI panel, you can input your x and y values. These x and y values must be comma separated. The last input box contains one value to be approximated.

This prompt shows the entered values

This area contains the results of the input values.

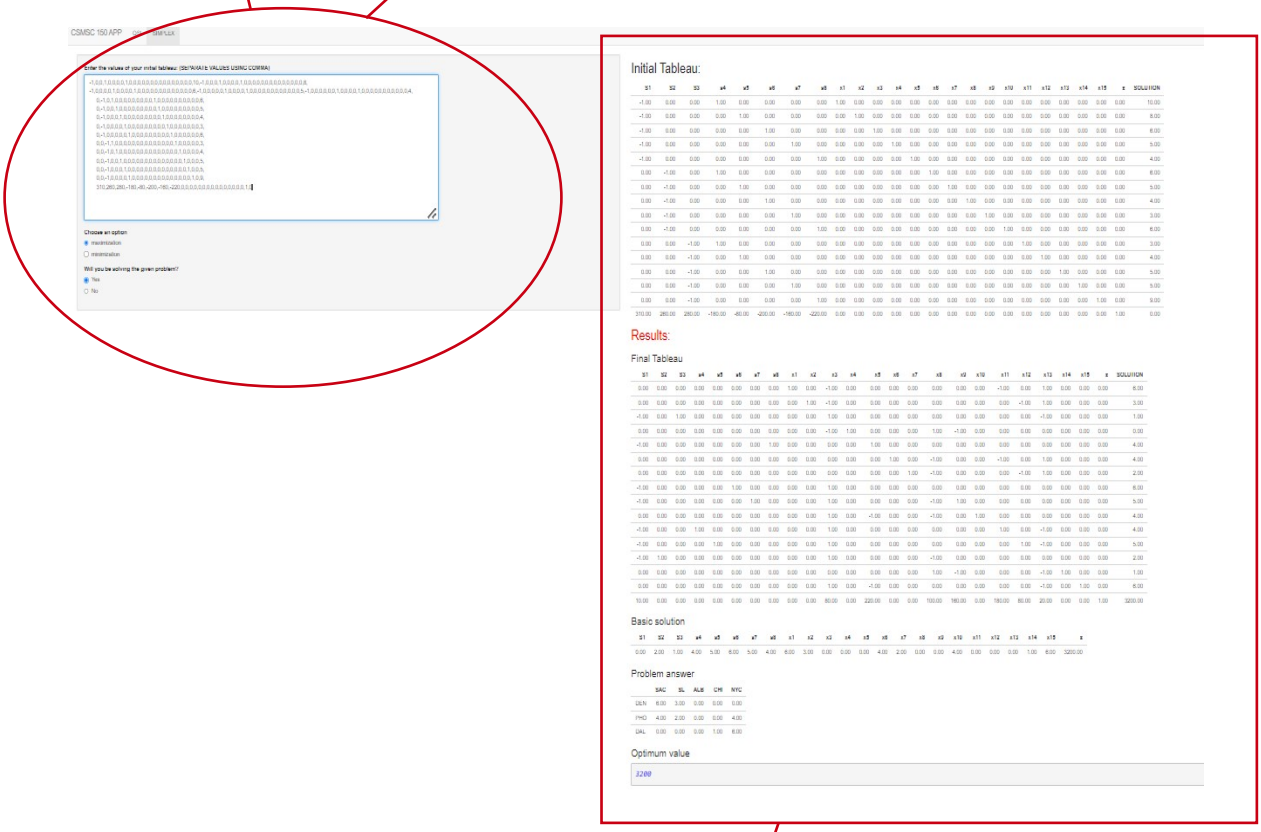
This is an example of a QSI operation with correct input values

Clicking the simplex panel transitions the page into the page for simplex operations

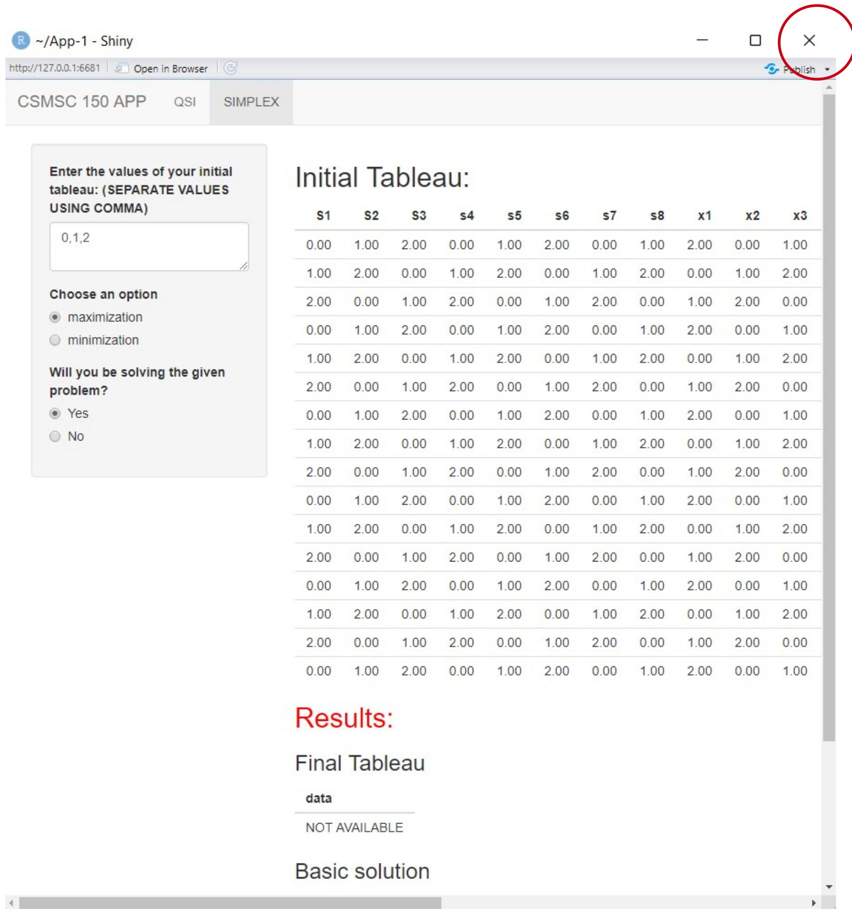


This is the sidebar area.
You can input the values to be passed into the simplex function call here

You can input the multiple integers needed in the container box, while you can toggle the radio buttons based on your desired boolean values.



This area contains the initial tableau and the results of the simplex operation



If you are running in a window, click the exit button to exit the application once done. If the app is ran using a website, then simply close the tab to end the app.

---END---