

Objective:

The goal of this program was to take a previous developed website and add security verification, use of tables, and images. This was accomplished by using several modules from the python community and library. This site starts on a generic page with a REGISTER button, CLICK ME button and DON'T CLICK ME button.

Lots of issues for some reason. One was the use of CSV file instead of the more common SQL based solutions. More information on the SQL route. NOTE: There could be some commented or unused lines of code in submitted project.

Test Cases:

Test Cases:	User Input:	Predicted Output:	Actual Output:	Pass/Fail:
1	navigate to 'localhost:8080'	show 'Just a Webpage'	show 'Just a Webpage'	pass, fig 1
2	how to make a website' in google bar	bring up page showing results	bring up page showing results	pass, fig 2
3	click 'REGISTER'	redirect to 'User Registration'	redirect to 'User Registration'	pass, fig 3
4	Enter first name 'Bart', last name 'Simpson', Username 'El-Barto', email address 'ElBarto1@springfield', password 'E1B@rt0S pringfield'	Error: 'Verify email format. Try again.' Clear field.	Error: 'Verify email format. Try again.' Clear field.	pass, fig 4

	Enter first name 'Bart', last name 'Simpson', Username 'El-Barto', email address 'ElBarto1@springfield.com', password 'E1Bart0'	Error: 'Password must be at least 12 characters, 1 uppercase, 1 lowercase, 1 number, and 1 special character.'	Error: 'Password must be at least 12 characters, 1 uppercase, 1 lowercase, 1 number, and 1 special character.'	pass, fig 5
6	Enter first name 'B', last name 'Simpson', Username 'El-Barto', email address 'ElBarto1@springfield.com', password 'E1B@rt0S pringfield'	Error: 'Verify first name. Try again.'	Error: 'Verify first name. Try again.'	pass, fig 6
7	Enter first name 'Bart', last name 'Simpson123', Username 'El-Barto', email address 'ElBarto1@springfield.com', password 'E1B@rt0S pringfield'	Error: 'Verify last name. Try again.'	Error: 'Verify last name. Try again.'	pass, fig 7

	Enter first name 'Bart', last name 'Simpson', Username 'El-Barto', email address 'ElBarto1@springfield.com', password 'E1B@rt0Springfield'			
8	redirect 'User Login'	redirect 'User Login'		pass, fig 8
9	enter username: ElBarto Password: E1B@rt0Springfield	redirect 'Login/navigation Landing'	redirect 'Login/navigation Landing'	pass, fig 9
10	click 'Look a Link'	redirect 'Look a Link'	redirect 'Look a Link'	pass, fig 10
11	click 'Oh, another Link'	redirect 'Oh, another, link'	redirect 'Oh, another, link'	pass, fig 11
12	scrolling to bottom of page,	shows table created.	shows table created.	pass, fig 12
13	click 'MAIN'	directs to 'Just a Webpage'	directs to 'Just a Webpage'	pass, fig 13

Images of Test Case runs:

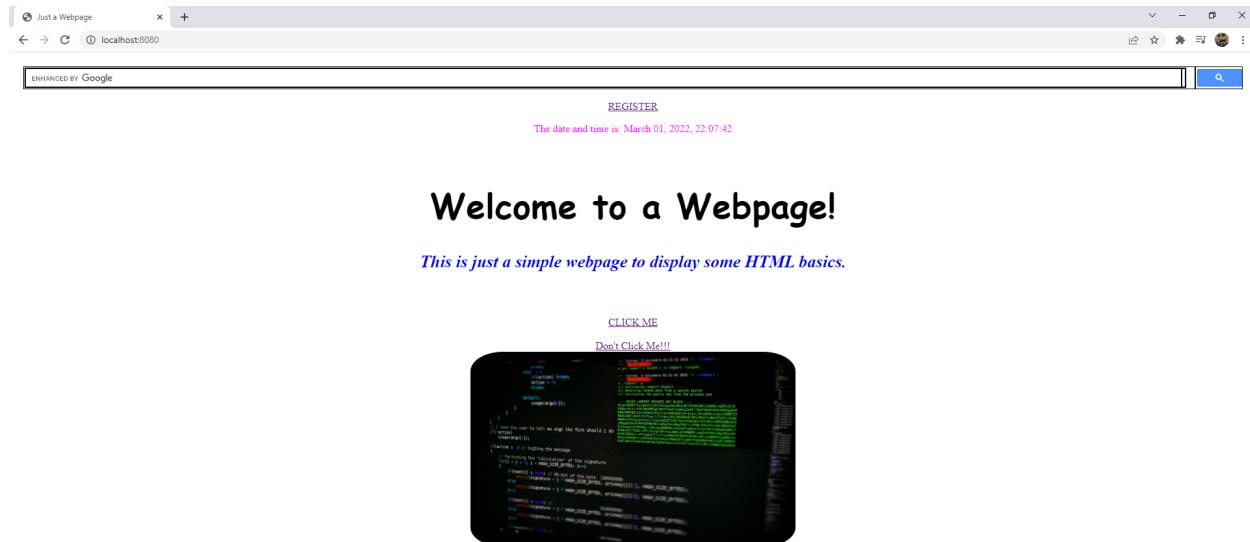


Fig 1

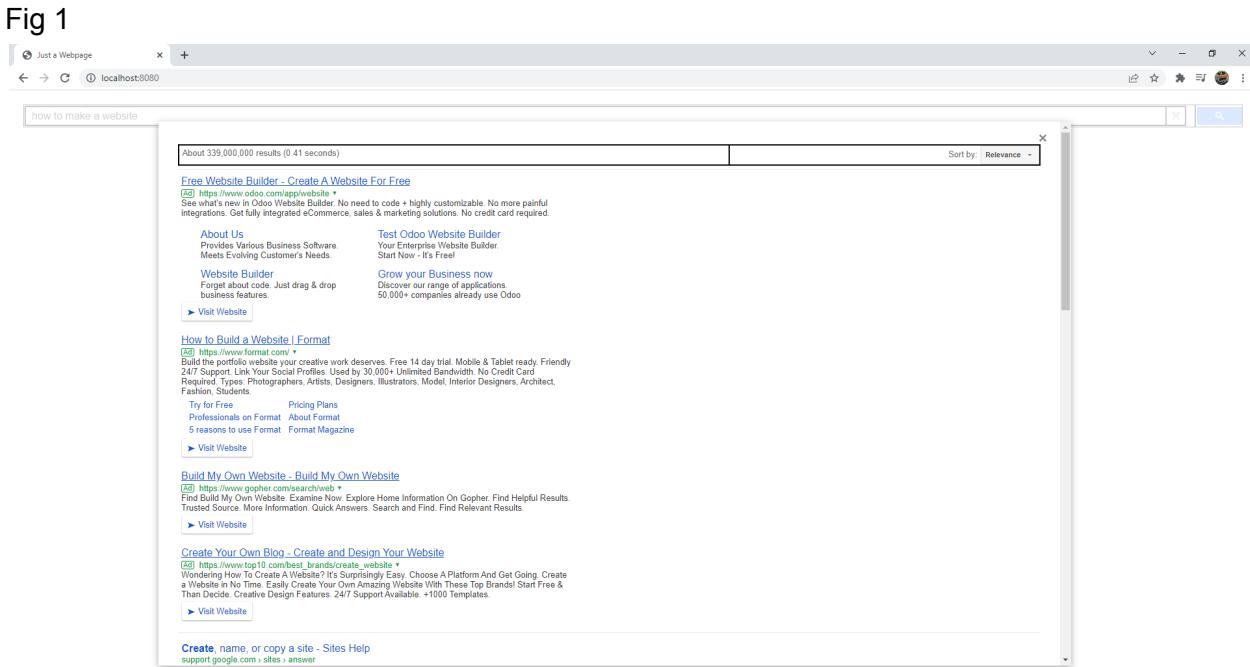


Fig 2

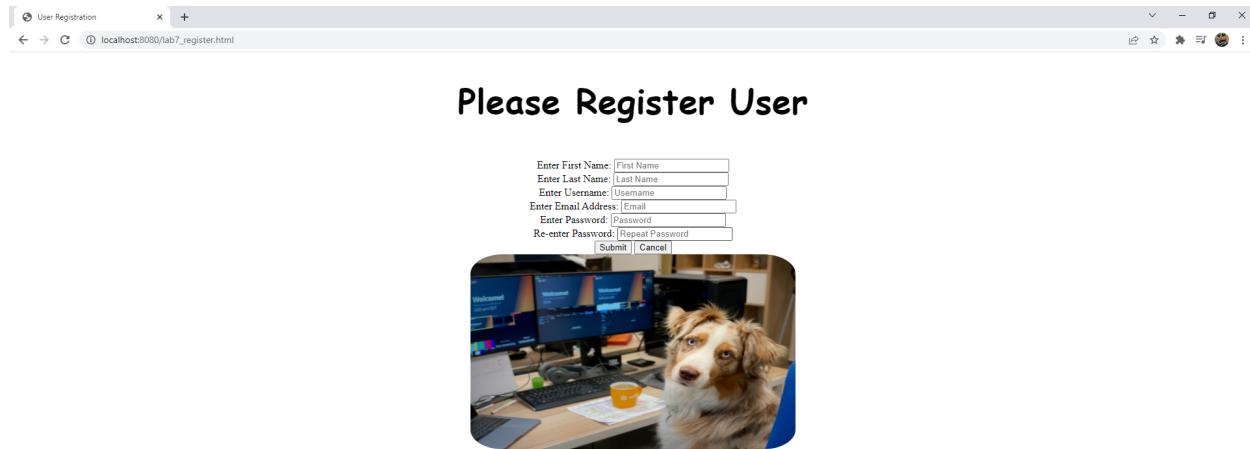


Fig 3

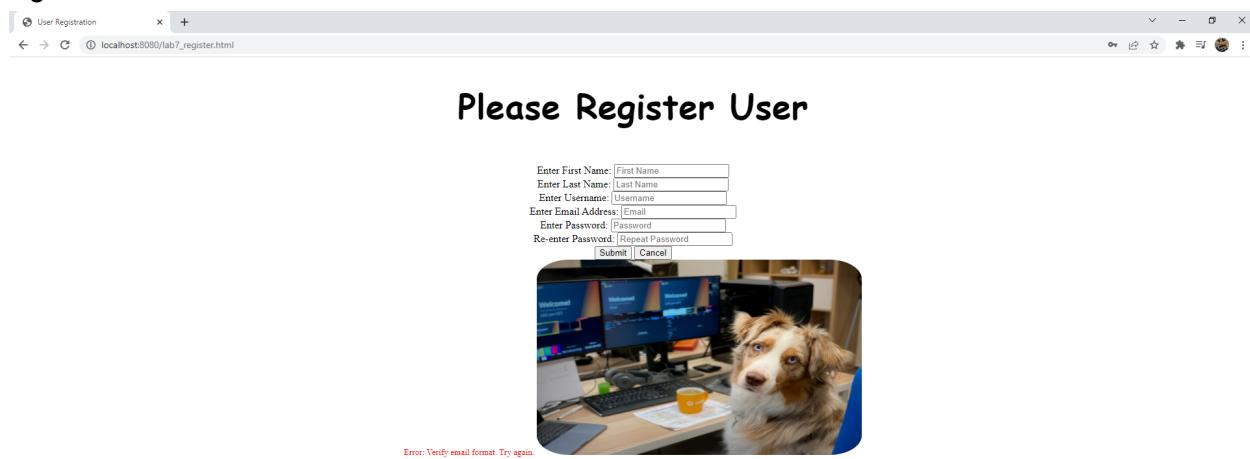


Fig 4

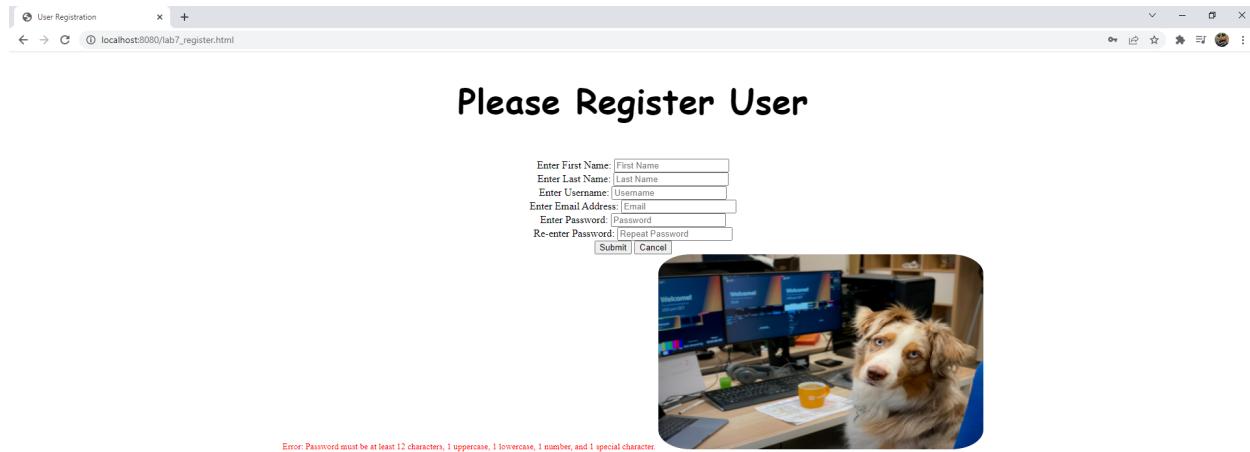


Fig 5

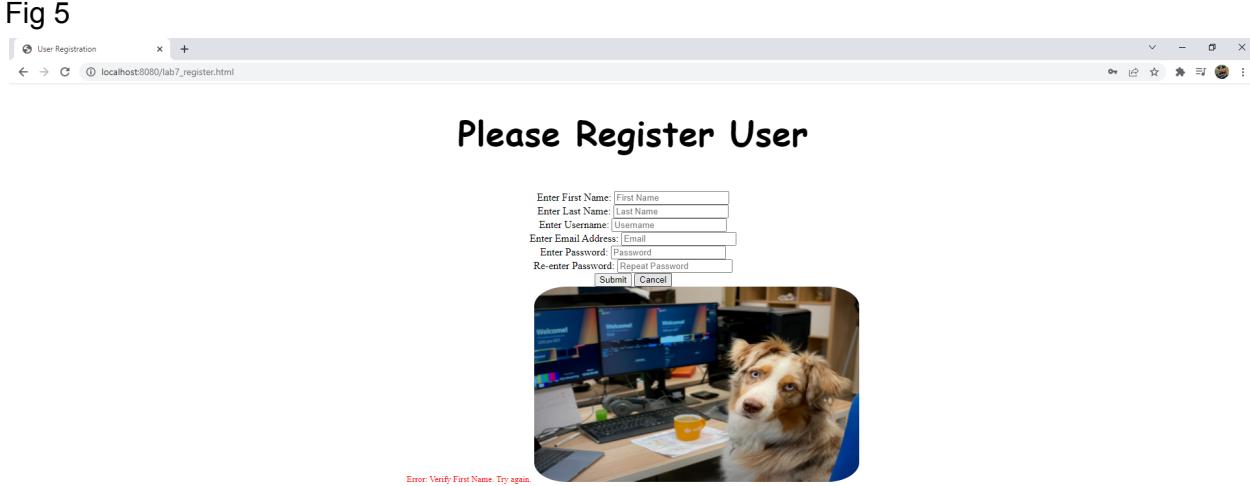


Fig 6

Name: Corey Glover

SDEV300-6382

Date: Mar. 1, 2022

User Registration

Please Register User

Enter First Name: First Name

Enter Last Name: Last Name

Enter Username: Username

Enter Email Address: Email

Enter Password: Password

Re-enter Password: Repeat Password



Error: Verify Last Name. Try again.

User Login

Please login

Username: Username

Password: Password

User Login

Fig 8

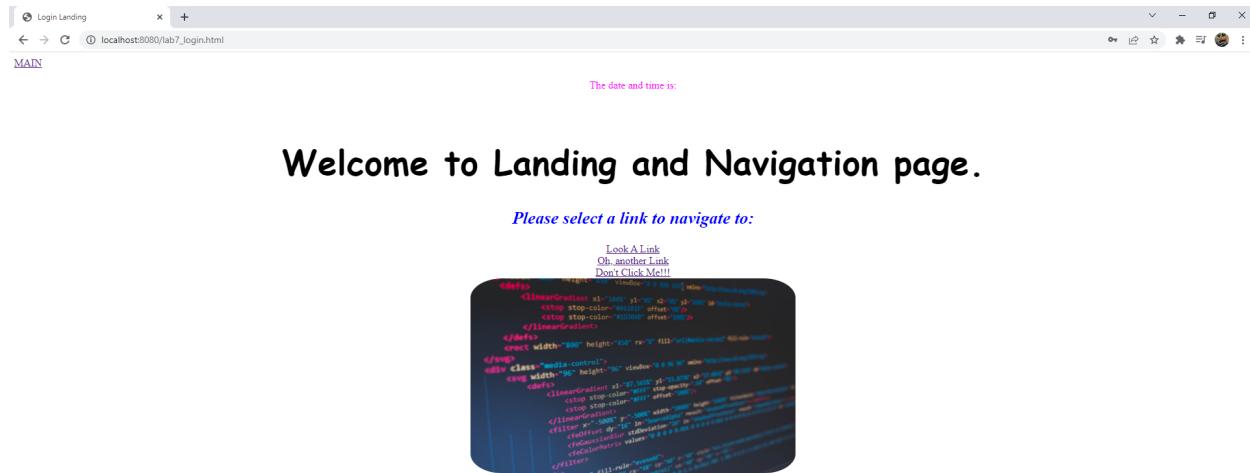


Fig 9

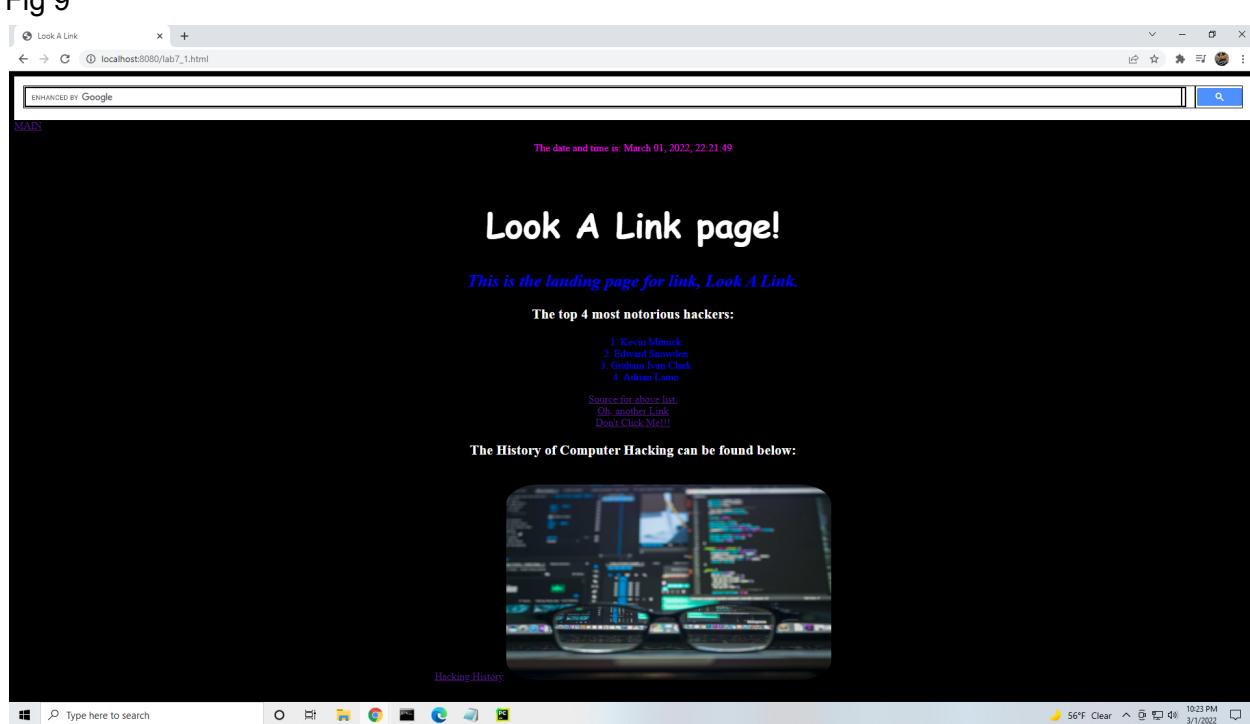


Fig 10

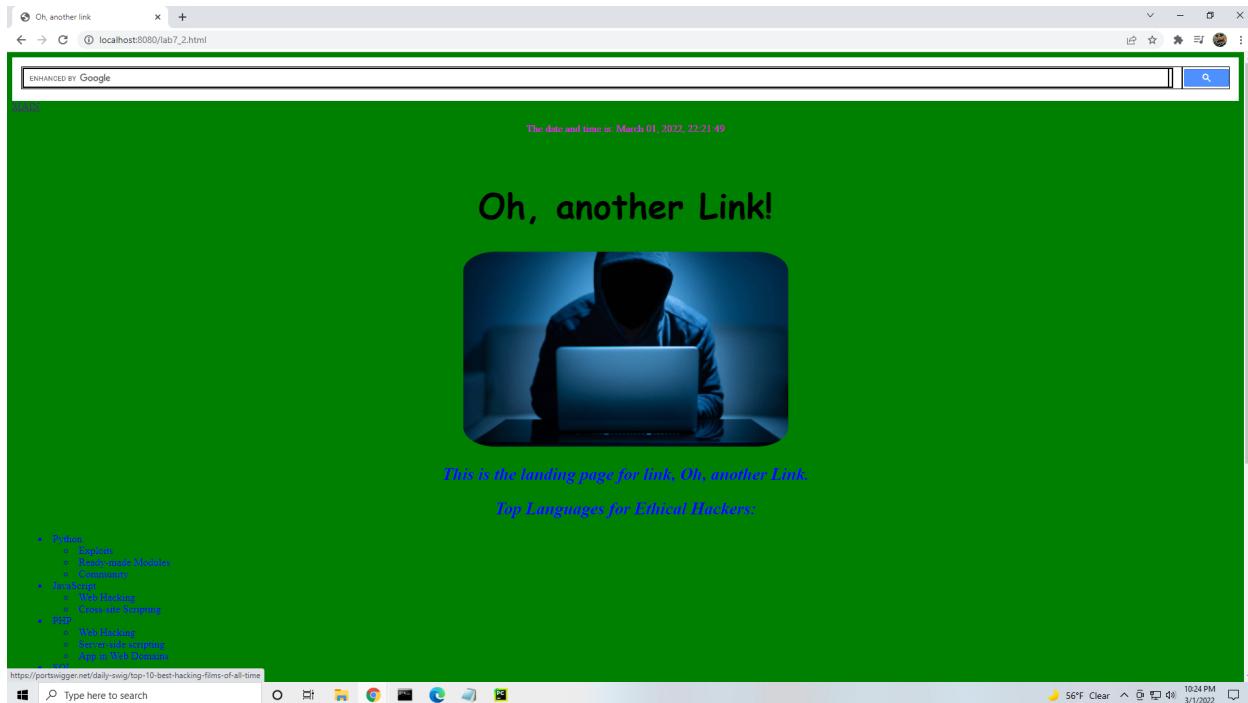


Fig 11

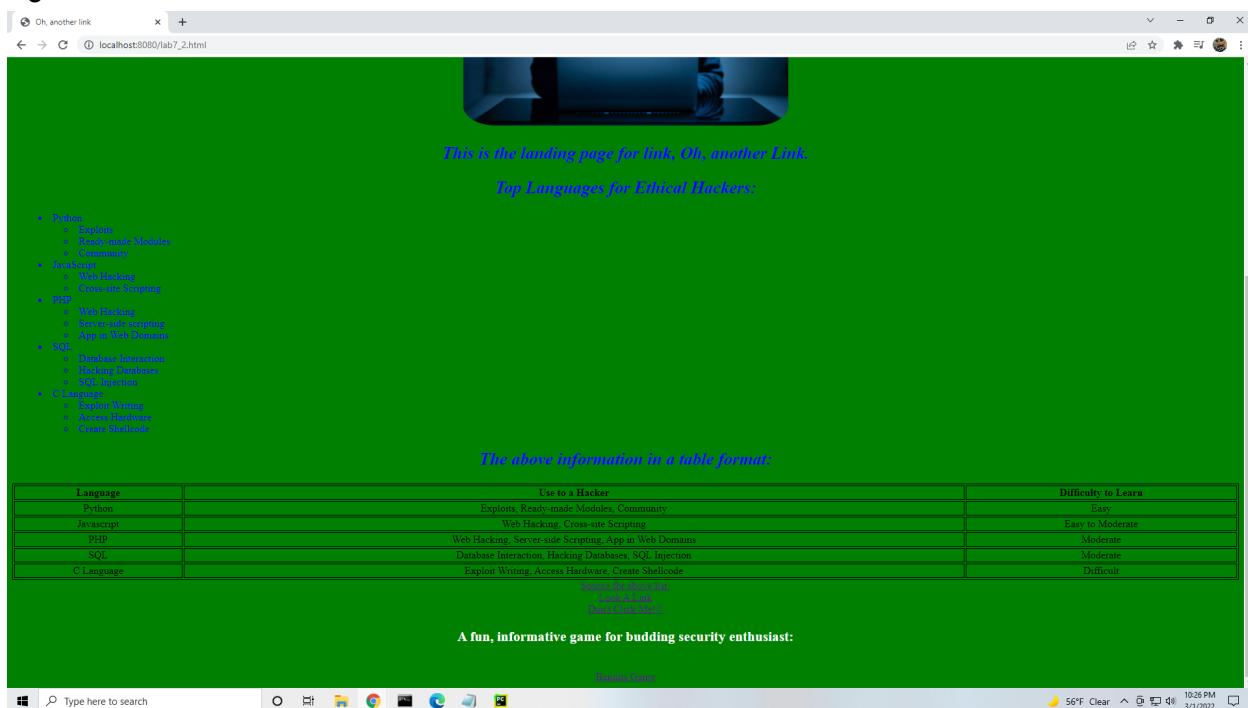


Fig 12

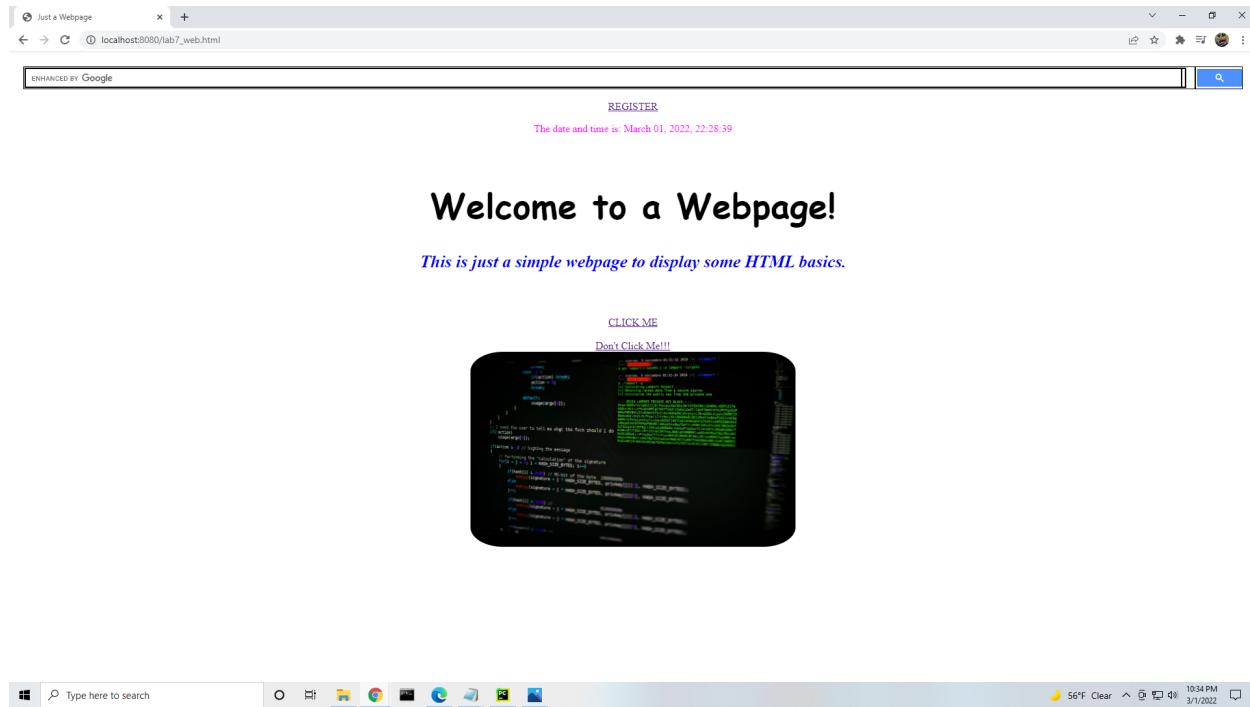


Fig 13

Pylint Run:

```

File Edit View Navigate Code Defactor Run Tools VCS Window Help glove_lab_7.py
SDDEV300 > Week7 > glove_lab_7.py
Project
  SDDEV300 (C:\Users\1
    > lab7\register.html
    > lab7\HelloWorld
    > lab7\hello
    > venv\library root
      > Week1
      > Week2
      > Week3
      > Week4
      > Week5
      > Week6
      > Week7
    > static
      > drop.png
      > lab7_form
    > templates
      > lab7.html
      > lab7_login.html
      > lab7_logout.html
      > lab7_register.html
    > pytests
      > glove_lab_7.py
      > userRegister.py
    > myVulns.txt
  > External Libraries
  > Scratches and Cons

glove_lab_7.py:35:15: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
glove_lab_7.py:35:40: C0103: Variable name "inFile" doesn't conform to snake_case naming style (invalid-name)
glove_lab_7.py:28:0: R1710: Either all return statements in a function should return an expression, or none of them should. (inconsistent-return-statements)
glove_lab_7.py:17:0: W0611: Unused pandas imported as pd (unused-import)
glove_lab_7.py:18:0: W0611: Unused sha256_crypt imported from passlib.hash (unused-import)
glove_lab_7.py:19:0: W0611: Unused import flask_sqlalchemy (unused-import)
glove_lab_7.py:15:0: C0411: standard import "import re" should be placed before "from flask import Flask, render_template, request, redirect, url_for, flash" (wrong-import-order)
glove_lab_7.py:16:0: C0411: standard import "import csv" should be placed before "from flask import Flask, render_template, request, redirect, url_for, flash" (wrong-import-order)

Your code has been rated at 7.00/10 (previous run: 8.40/10, -1.40)

PS C:\Users\Corey\PycharmProjects\SDDEV300\Week7>
  
```

For whitespaces the line was backspaced until Pycharm auto corrected the line. The unused modules were commented out or deleted.

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help glover_lab_7.py - Week7:glover_lab_7.py
Project SDEV300 C:\Users\Corey\PycharmProjects\ SDEV300\Week7\glover_lab_7.py
  HelloWord
  lab7_hello
  project
    Week1
    Week2
    Week3
    Week4
    Week5
    Week6
    Week7
      static
        logo.png
        lab7_form
        templates
          lab7_1.html
          lab7_2.html
          lab7_login.html
          lab7_register.html
        lab7_web.html
      user_register() # request.method == POST
      "Try again."
      if passed is True and error_message is None:
        flash('Registration Successful.')
        return redirect('/lab7_login.html')
      return render_template('lab7_register.html', error_message=error_message)

      @APP.route('/lab7_login.html', methods=['GET', 'POST'])
      def user_login():
        """Function to login"""
        invalid_entry = None
        if request.method == 'POST':
          if request.form['username'] not in 'admin' or \
            request.form['password'] not in 'admin':
            invalid_entry = 'Please verify input.'
        else:
          user_register() # request.method == POST
        if invalid_entry is None:
          flash('Login successful')
          return redirect('/lab7_web.html')
        else:
          return render_template('lab7_login.html', invalid_entry=invalid_entry)
        glover_lab_7.py:36:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:42:40: C0303: Line too long (90/79) (line-too-long)
        glover_lab_7.py:43:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:44:40: C0303: Line too long (90/79) (line-too-long)
        glover_lab_7.py:45:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:46:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:59:40: C0303: Variable name 'Infile' doesn't conform to snake_case naming style (invalid-name)
        glover_lab_7.py:28:40: R1710: Either all return statements in a function should return an expression, or none of them should. (inconsistent-return-statements)
        glover_lab_7.py:17:40: W0611: Unused pandas imported as pd (unused-import)
        glover_lab_7.py:18:40: W0611: Unused sha256_crypt imported from passlib.hash (unused-import)
        glover_lab_7.py:33:40: C0103: Variable name 'Infile' doesn't conform to snake_case naming style (invalid-name)
        glover_lab_7.py:28:40: R1710: Either all return statements in a function should return an expression, or none of them should. (inconsistent-return-statements)
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        glover_lab_7.py:19:40: W0611: Unused import flask_sqlalchemy (unused-import)
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        glover_lab_7.py:16:40: C0411: standard import 'import csv' should be placed before "from flask import Flask, render_template, request, redirect, url_for, flash" (wrong-import-order)
Your code has been rated at 8.40/10 (previous run: 8.40/10, +0.00)

Version Control | TODO | Problems | ExcelReader | Python Packages | Python Console | Terminal | Pylint
Type here to search | 71°F CRLF UTF-8 4 spaces Python 3.9 (env) | Event Log
35°F Sunny 1:40 PM 2/26/2022

```

The library locations were corrected and placed above 'flask imports'

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help glover_lab_7.py - Week7:glover_lab_7.py
Project SDEV300 C:\Users\Corey\PycharmProjects\ SDEV300\Week7\glover_lab_7.py
  HelloWord
  lab7_hello
  project
    Week1
    Week2
    Week3
    Week4
    Week5
    Weeks
      static
        logo.png
        lab7_format.css
      templates
        lab7_1.html
        lab7_2.html
        lab7_login.html
        lab7_register.html
        lab7_web.html
      user_register() # request.method == POST
      "Try again."
      if passed is True and error_message is None:
        flash('Registration Successful.')
        return redirect('/lab7_login.html')
      return render_template('lab7_register.html', error_message=error_message)

      @APP.route('/lab7_login.html', methods=['GET', 'POST'])
      def user_login():
        """Function to login"""
        invalid_entry = None
        if request.method == 'POST':
          if request.form['username'] not in 'admin' or \
            request.form['password'] not in 'admin':
            invalid_entry = 'Please verify input.'
        else:
          user_register() # request.method == POST
        if invalid_entry is None:
          flash('Login successful')
          return redirect('/lab7_web.html')
        else:
          return render_template('lab7_login.html', invalid_entry=invalid_entry)
        glover_lab_7.py:36:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:42:40: C0303: Line too long (90/79) (line-too-long)
        glover_lab_7.py:43:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:44:40: C0303: Line too long (90/79) (line-too-long)
        glover_lab_7.py:45:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:46:40: C0303: Line too long (85/79) (line-too-long)
        glover_lab_7.py:59:40: C0303: Variable name 'Infile' doesn't conform to snake_case naming style (invalid-name)
        glover_lab_7.py:28:40: R1710: Either all return statements in a function should return an expression, or none of them should. (inconsistent-return-statements)
        glover_lab_7.py:17:40: W0611: Unused pandas imported as pd (unused-import)
        glover_lab_7.py:18:40: W0611: Unused sha256_crypt imported from passlib.hash (unused-import)
        glover_lab_7.py:33:40: C0103: Variable name 'Infile' doesn't conform to snake_case naming style (invalid-name)
        glover_lab_7.py:28:40: R1710: Either all return statements in a function should return an expression, or none of them should. (inconsistent-return-statements)
        glover_lab_7.py:17:40: W0611: Unused sha256_crypt imported from passlib.hash (unused-import)
        glover_lab_7.py:19:40: W0611: Unused import flask_sqlalchemy (unused-import)
        glover_lab_7.py:15:40: C0411: standard import 'import re' should be placed before "from flask import Flask, render_template, request, redirect, url_for, flash" (wrong-import-order)
        glover_lab_7.py:16:40: C0411: standard import 'import csv' should be placed before "from flask import Flask, render_template, request, redirect, url_for, flash" (wrong-import-order)
Your code has been rated at 9.55/10 (previous run: 9.55/10, +0.00)

PS C:\Users\Corey\PycharmProjects\SDEV300\Week7> pylint glover_lab_7.py
*****
Module glover_lab_7
glover_lab_7.py:44:9: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
glover_lab_7.py:48:13: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
glover_lab_7.py:114:17: W1514: Using open without explicitly specifying an encoding (unspecified-encoding)
glover_lab_7.py:123:24: R1705: Unnecessary 'else' after 'return' (no-else-return)

Your code has been rated at 9.55/10 (previous run: 9.55/10, +0.00)

PS C:\Users\Corey\PycharmProjects\SDEV300\Week7>
Version Control | Run | TODO | Problems | ExcelReader | Python Packages | Python Console | Terminal | Pylint
Type here to search | 62°F Mostly clear 8:09 PM 3/1/2022 | Event Log

```

This was the final run as the remaining as any other changes caused more issues in Pylint.