**Lab Six**

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**Course:** SDEV 300

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**Files**

* One python file. Lab\_six.py
* Two html files. Index.htm and output.html
* Two CSS files. Style.css and style\_r.css

**Assumptions**

* Users enter digits only.
* User knows how to navigate the web and return back to the home page.

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| --- | --- | --- | --- | --- | --- | --- |
| **Test Case** | **Test Description** | **Procedure** | **Input** | **Expected Output** | **Actual Output** | **Pass?** |
| 1 | Test if the home page is properly displayed | + run lab\_six.py  + click on <http://127.0.0.1:5000> | None | Home page will be displayed | Home page is displayed | Yes |
| 2a | Test if the page performs addition correctly | + run lab\_six.py  + click on <http://127.0.0.1:5000>  + type ‘2' and ‘3’ in the first and second fields respectively.  + click on ‘add’ button | 2, 3 | The site will be routed to a different route and display the output.  5.0 | The site is routed to a different route and displays the output.  5.0 | Yes |
| 2b | Test if the page performs substruction correctly | + run lab\_six.py  + click on <http://127.0.0.1:5000>  + type ‘2' and ‘3’ in the first and second fields respectively.  + click on ‘’subtract” button | 2, 3 | The site will be routed to a different route and display the output.  -1.0 | The site is routed to a different route and displays the output.  -1.0 | Yes |
| 2c | Test if the page performs division correctly | + run lab\_six.py  + click on <http://127.0.0.1:5000>  + type ‘6' and ‘3’ in the first and second fields respectively.  + click on ‘’Divide” button | 6, 3 | The site will be routed to a different route and display the output.  2.0 | The site is routed to a different route and displays the output.  -2.0 | Yes |
| 2d | Test if the page performs multiplication  correctly | + run lab\_six.py  + click on <http://127.0.0.1:5000>  + type ‘2' and ‘3’ in the first and second fields respectively.  + click on ‘’multiply” button | 2, 3 | The site will be routed to a different route and display the output.  6.0 | The site is routed to a different route and displays the output.  6.0 | Yes |
| 3 | Test if the links open when clicked | + run lab\_six.py  + click on <http://127.0.0.1:5000>  + click on the “learn addition and substruction” link or right click on it and click on the “open in a new tab” option. | None | The site will be routed to another web. | The site is routed to another web. | Yes |
| 4 | Test if the web return to the home page when user click on “go back”. | + run lab\_six.py  + click on <http://127.0.0.1:5000>  + type ‘6' and ‘3’ in the first and second fields respectively.  + click on ‘’Divide” button.  + click on either the “here” or “go back” link. | None | The site will return to the home page. | The site is returned to the home page. | Yes |
| 5 | Test if date and time is displayed on the site both on the home and output site. | + run lab\_six.py  + click on <http://127.0.0.1:5000> | None | Time and date will be displayed | Time and date will be displayed. | Yes |

**Screenshots**

1

A screenshot of a calculator

Description automatically generated with medium confidence

2a

A picture containing text, screenshot, font

Description automatically generated

2b

A picture containing text, screenshot, font

Description automatically generated

2c

A picture containing text, screenshot, font

Description automatically generated

2d

A picture containing text, screenshot, font

Description automatically generated

3

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

5

A picture containing text, font, screenshot, design

Description automatically generated

**Pylint Analysis**

1st Try

A screen shot of a computer

Description automatically generated with medium confidence

2nd Try

A picture containing text, screenshot, font

Description automatically generated