

Steps 1-8 screenshots

Randy Dickersbach

Web Application Security

```
PS C:\Users\randy\vscode projects\Web Auth scripts> python -u c:\Users\randy\vscode projects\Web Auth scripts\csec380-2221-assignment2-rdd5878\step1.py
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:21:45 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 3
Connection: close

Hi!
PS C:\Users\randy\vscode projects\Web Auth scripts> 
```

```
b Auth scripts\csec380-2221-assignment2-rdd5878\step2.py"
GET /test HTTP/1.1
User-Agent: CSEC-380
```

```
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:23:45 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 19
Connection: close
```

Working as expected

```
b Auth scripts\csec380-2221-assignment2-rdd5878\step3.py"
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:24:17 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 14
Connection: close
```

Welcome Alice!

```
Auth scripts\csec380-2221-assignment2-rdd5878\step4.py"
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:25:22 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 41
Set-Cookie: session=1142718b-d742-476e-9be3-66019a6969f4; HttpOnly; Path=/
Connection: close

HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:25:22 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 41
Set-Cookie: session=1142718b-d742-476e-9be3-66019a6969f4; HttpOnly; Path=/
Connection: close

Welcome Alice!
```

```
Auth scripts\csec380-2221-assignment2-rdd5878\step5.py"
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:25:48 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 41
Set-Cookie: session=20e23ff7-6a13-4989-ae82-074d57538e79; HttpOnly; Path=/
Connection: close

Credentials valid, proceed to secure page
session=20e23ff7-6a13-4989-ae82-074d57538e79
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:25:48 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 14
Set-Cookie: session=20e23ff7-6a13-4989-ae82-074d57538e79; HttpOnly; Path=/
Connection: close

Welcome Alice!
```

```
Auth scripts\csec380-2221-assignment2-rdd5878\step6.py"
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:26:09 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 41
Set-Cookie: session=af8f25e6-9d48-47c8-b4cd-4eaa5d5a1655; HttpOnly; Path=/
Connection: close

Credentials valid, proceed to secure page
  session=af8f25e6-9d48-47c8-b4cd-4eaa5d5a1655
Credentials valid, proceed to secure page
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:26:31 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 14
Set-Cookie: session=589072e5-5b06-4b8b-ab98-d88a538278ff; HttpOnly; Path=/
Connection: close

Welcome Alice!
```

```
Auth scripts\csec380-2221-assignment2-rdd5878\step7.py"
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:28:10 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 67
Set-Cookie: session=abc26527-76aa-4af1-ab6a-e76379e49a3d; HttpOnly; Path=/
Connection: close

{"status":"Authenticated","key":"a5ca84c850ec47dcb32776d17e2a0a39"}
a5ca84c850ec47dcb32776d17e2a0a39
HTTP/1.1 200 OK
Server: Werkzeug/2.2.2 Python/3.10.0
Date: Thu, 02 Feb 2023 18:28:10 GMT
Content-Type: text/html; charset=utf-8
Content-Length: 14
Set-Cookie: session=abc26527-76aa-4af1-ab6a-e76379e49a3d; HttpOnly; Path=/
Connection: close

Welcome Alice!
```

assignment2-rdd5878\step8.py"

HTTP/1.1 200 OK

Server: Werkzeug/2.2.2 Python/3.10.0

Date: Thu, 02 Feb 2023 18:29:42 GMT

Content-Type: text/html; charset=utf-8

Content-Length: 8

Set-Cookie: session=062907d3-f679-4d52-8dd9-ee375ddc90e0; HttpOnly; Path=/
Connection: close

89?%+62

HTTP/1.1 200 OK

Server: Werkzeug/2.2.2 Python/3.10.0

Date: Thu, 02 Feb 2023 18:29:42 GMT

Content-Type: text/html; charset=utf-8

Content-Length: 41

Set-Cookie: session=062907d3-f679-4d52-8dd9-ee375ddc90e0; HttpOnly; Path=/
Connection: close

Captcha accepted, proceed to secure page!

HTTP/1.1 200 OK

Server: Werkzeug/2.2.2 Python/3.10.0

Date: Thu, 02 Feb 2023 18:29:42 GMT

Content-Type: text/html; charset=utf-8

Content-Length: 14

Set-Cookie: session=062907d3-f679-4d52-8dd9-ee375ddc90e0; HttpOnly; Path=/
Connection: close

Welcome Alice!