**Evaluating Hannak et al’s Program**

**to discover Price Discrimination**

This is an evaluation of the program for detection of price discrimination by Hannak et al[[1]](#footnote-1) with the use of the personalization-testsuite[[2]](#footnote-2)! In the following the program will be referred to as the “Program” and the personalization-testsuite will be referred to as the “Test Environment”. This Evaluation will focus on the capabilities of the Program to simulate different users and to discover price differentiation/discrimination! The Program was originally configured for a limited number of ecommerce websites. To enable usability the code of the Program was altered, so that it can be used in combination with the Test Environment. The altered code can be found on “<https://github.com/johuellm/pd->hannak”.

**Evaluation of Scraping Capabilities**

In the Program the collection via PhantomJS is of essential importance. The ability to scrape websites based on different conditions, which are recognized as different by the website, is the basis of the Program that enables the following analysis. In this evaluation process multiple requests to the Test Environment were made with different URLs. Those include the configurations for the price and the method of user recognition, applied by the Test Environment. The data from the Test Environment website log shows that while running the scraper 16 different users were newly created and recognized at a later point in the process. This confirms that the Program is able to simulate different users that are recognized as such by websites, that apply a user recognition similar to the one used in the Test Environment!

**Evaluation of the Analysis of the Scraped Website Data.py**

The scraped website data can be analysed using the analyze\_ecommerce method! All resulting values are listed in the data section below. The analysis shows an expected behaviour. First, the websites itself are similar (e.g see the Jaccard and Edit Distance). Since only prices are allowed to be non-static in the URL-configurations for the scraping (for example content and structure are identical for all configurations) only a very small fraction of the html code is different, leading to the expected similar/identical values. Secondly, all measures in the analysis result related to the price are unique. This also corresponds to the expected results of the analysis. As all sets of scraped websites, which are processed together by the program, include websites that are based on a dynamic configuration, the probability for an identical output is very low. These expected findings show that the Program is capable of detecting price differentiation for websites, where only the price is personalized!

**Evaluation of the Website Comparison:**

To evaluate the comparison program (compare\_ecommerce) for ecommerce webpages the following webpages from android, scraped for “127.0.0.1:5000/ecommerce/newuser=t” and “127.0.0.1:5000/ecommerce /price=d&newuser=t”, were used. The results show that for 8 products that can be found on both websites, all prices are different. This corresponds to the expected behaviour of the Program, as one website has static, and one has dynamic (this case randomly altered) prices. Therefore, this method is capable of revealing price differentiation for two given scraped websites.

**Overall Evaluation**

This rudimentary evaluation shows that the Program is capable of scraping website data in a way that different request origins can be simulated. It has also multiple analysis programs to be performed on such data. Both analysis programs that were evaluated here, show the capability to detect price differentiation on this website data. In combination this provides the capability to detect price discrimination!

**Additional Data**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Android | Chrome | Firefox | ie8 | Safari | Safari\_osx | Linux | osx | Win7 | xp |
| Day | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Timestamp | 16322  54400 | 16322  54400 | 163225  4400 | 163225  4400 | 163225  4400 | 163225  4400 | 163225  4400 | 163225  4400 | 163225  4400 | 163225  4400 |
| ? | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| Avg. Jaccard distance | 0.2857 | 0.2857 | 0.2857 | 0.5714 | 0.5714 | 0.2857 | 0.2857 | 0.5714 | 0.2857 | 0.5714 |
| Standard Deviation of the Jaccard distances | 0.488 | 0.488 | 0.488 | 0.5345 | 0.5345 | 0.488 | 0.488 | 0.5345 | 0.488 | 0.5345 |
| Avg. Edit-distance | 5.7143 | 5.7143 | 5.7143 | 3.4286 | 3.4286 | 5.7143 | 5.7143 | 3.4286 | 5.7143 | 3.4286 |
| Standard Deviation of the edit-distances | 3.9036 | 3.9036 | 3.9036 | 4.2762 | 4.2762 | 3.9036 | 3.9036 | 4.2762 | 3.9036 | 4.2762 |
| Avg. Kendall’s Tau | 0.2653 | 0.3163 | 0.2857 | 0.6836 | 0.4388 | 0.4082 | 0.4592 | 0.5612 | 0.3367 | 0.6530 |
| Standard Deviation of the kendall’s Tau | 0.6014 | 0.5 | 0.5084 | 0.4142 | 0.7016 | 0.43 | 0.4663 | 0.5509 | 0.4857 | 0.46 |
| Avg. of the average prices | 193.57 | 222.56 | 236.70 | 229.68 | 216.48 | 218.89 | 218.07 | 227.36 | 211.42 | 234.56 |
| Standard deviation of the avg. prices | 44.3346 | 46.0043 | 46.2489 | 13.2641 | 23.2178 | 37.6054 | 27.4365 | 39.0034 | 32.3521 | 35.2063 |
| Number of shared products | 71.4286 | 71.4286 | 71.4286 | 42.8571 | 42.8571 | 71.4286 | 71.4286 | 42.8571 | 71.4286 | 43.8571 |
| Avg. of the price differences | -26.3997 | 8.178571 | 25.0406 | 27.7957 | 1.5390 | 3.7991 | -28.4663 | -28.9648 | -36.3997 | -14.6676 |
| Standard Deviation of the price differences | 50.4025 | 48.4 | 44.9404 | 22.0494 | 48.0963 | 40.0475 | 57.1825 | 71.2979 | 72.668 | 76.1902 |

**Values from the Analysis (analyze\_ecommerce.py):**

**URLs used for Scraping**

Used Urls: {  
"static\_cookies" : "http://127.0.0.1:5000/ecommerce",  
"static\_bfp" : "http://127.0.0.1:5000/ecommerce/cookie=f&bfp=t",  
"static\_newusers" : "http://127.0.0.1:5000/ecommerce/newuser=t",  
"dynamic\_cookies" : "http://127.0.0.1:5000/ecommerce/price=d",  
"dynamic\_bfp" : "http://127.0.0.1:5000/ecommerce/price=d&cookie=f&bfp=t",  
"dynamic\_newusers" : "http://127.0.0.1:5000/ecommerce/price=d&newuser=t",  
"personalized\_cookies" : "http://127.0.0.1:5000/ecommerce/price=p",  
"personalized\_bfp" : "http://127.0.0.1:5000/ecommerce/price=p&cookie=f&bfp=t",  
"personalized\_newusers" : "http://127.0.0.1:5000/ecommerce/price=p&newuser=t"  
}

**Products and Prices from the Website Comparison**

* Boytone - 2500W 2.1-Ch. H \* 66.0
* Boytone - 2500W 2.1-Ch. H \* 76.73
* Universal Remote Control \* 239.99
* Universal Remote Control \* 279.0
* Outdoor Tech Buckshot Pro \* 56.99
* Outdoor Tech Buckshot Pro \* 66.25
* Details About Samsung Gea \* 154.95
* Details About Samsung Gea \* 180.14
* Kenwood KFC-1653MRW 6.5 2 \* 219.99
* Kenwood KFC-1653MRW 6.5 2 \* 255.75
* Samsung - 50 Class (49.5" \* 449.99
* Samsung - 50 Class (49.5" \* 523.13
* Samsung - 50 Class (49.5" \* 499.99
* Samsung - 50 Class (49.5" \* 581.26
* Corsair CMSA8GX3M2A1066C7 \* 79.99
* Corsair CMSA8GX3M2A1066C7 \* 92.99

**Analysis Measures from the Website Comparison**

|  |  |  |
| --- | --- | --- |
|  | Static | Dynamic |
| Page Length | 8 | 8 |
| NDCG | 0.4415 | 0.5132 |
| Avg. Price | 220.9863 | 256.9063 |

Further Measures:

* Edit Dist: 8.000000
* Kendall Tau: 0.428571
* % Items w/ Diff. Prices: 100.00000
* Price Diff: 30.602857

**Log of the Website during Scraping for Evaluation of the Scraping:**

*User Recognition activated*

*recognition mode: (True, False, False)*

*User Recognition activated*

*recognition mode: (True, False, False)*

*new\_user*

*User Recognition activated*

*recognition mode: (True, False, False)*

*New User*

*Current User: 11*

*User Recognition activated*

*recognition mode: (True, False, False)*

*user target group: 0*

*Creating Session Entry*

*new\_user*

*New User*

*Current User: 12*

*user target group: 1*

*Creating Session Entry*

*new\_user*

*New User*

*Current User: 13*

*new\_user*

*User Recognition activated*

*recognition mode: (True, False, False)*

*New User*

*Current User: 14*

*user target group: 7*

*Creating Session Entry*

*new\_user*

*New User*

*Current User: 15*

*user target group: 2*

*User Recognition activated*

*Creating Session Entry*

*recognition mode: (True, False, False)*

*user target group: 0*

*Creating Session Entry*

*new\_user*

*New User*

*Current User: 16*

*user target group: 8*

*Creating Session Entry*

*User Recognition activated*

*recognition mode: (True, False, False)*

*new\_user*

*New User*

*Current User: 17*

*User Recognition activated*

*recognition mode: (True, False, False)*

*user target group: 5*

*Creating Session Entry*

*new\_user*

*New User*

*Current User: 18*

*user target group: 1*

*Creating Session Entry*

*User Recognition activated*

*recognition mode: (True, False, False)*

*new\_user*

*New User*

*Current User: 19*

*user target group: 9*

*Creating Session Entry*

*{'website\_id': 6, 'user\_id': 15, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 672050), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 6, 'user\_id': 11, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 672050), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*User Recognition activated*

*recognition mode: (True, False, False)*

*{'website\_id': 6, 'user\_id': 13, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 690888), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*new\_user*

*New User*

*Current User: 20*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*user target group: 0*

*User Recognition activated*

*recognition mode: (True, False, False)*

*Creating Session Entry*

*{'website\_id': 6, 'user\_id': 18, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 714064), 'browser\_fp': 5234274357797661396, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 6, 'user\_id': 12, 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 714064), 'browser\_fp': 242421634031791026, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*{'website\_id': 6, 'user\_id': 14, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 743997), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 6, 'user\_id': 19, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 743997), 'browser\_fp': 79113302968340176, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*new\_user*

*New User*

*Current User: 21*

*{'website\_id': 6, 'user\_id': 20, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 766612), 'browser\_fp': -678059371310093074, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*{'website\_id': 6, 'user\_id': 16, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 791038), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*User Recognition activated*

*recognition mode: (True, False, False)*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*{'website\_id': 6, 'user\_id': 17, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 820727), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*user target group: 6*

*Creating Session Entry*

*User Recognition activated*

*recognition mode: (True, False, False)*

*User Recognition activated*

*recognition mode: (True, False, False)*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*{'website\_id': 6, 'user\_id': 21, 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 53, 896224), 'browser\_fp': 2223293388889293974, 'ip\_address': '127.0.0.1'}*

*User Recognition activated*

*recognition mode: (True, False, False)*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*new\_user*

*New User*

*Current User: 22*

*user target group: 10*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:34:53] "←[37mGET / HTTP/1.1←[0m" 200 -*

*new\_user*

*New User*

*Current User: 23*

*new\_user*

*New User*

*Current User: 24*

*user target group: 0*

*Creating Session Entry*

*user target group: 9*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:34:54] "←[37mGET / HTTP/1.1←[0m" 200 -*

*new\_user*

*New User*

*Current User: 25*

*{'website\_id': 6, 'user\_id': 24, 'language': 'en', 'device': 'Nexus 4', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 54, 62524), 'browser\_fp': -6899386878207395608, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 6, 'user\_id': 23, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 54, 63299), 'browser\_fp': 3957918683595164281, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 6, 'user\_id': 22, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 54, 63797), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:34:54] "←[37mGET / HTTP/1.1←[0m" 200 -*

*user target group: 5*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:34:54] "←[37mGET / HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:34:54] "←[37mGET / HTTP/1.1←[0m" 200 -*

*{'website\_id': 6, 'user\_id': 25, 'language': 'en', 'device': 'iPad', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 54, 121897), 'browser\_fp': -8206267485165743438, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:34:54] "←[37mGET / HTTP/1.1←[0m" 200 -*

*User Recognition activated*

*recognition mode: (True, False, False)*

*new\_user*

*New User*

*Current User: 26*

*user target group: 3*

*Creating Session Entry*

*{'website\_id': 6, 'user\_id': 26, 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 34, 54, 393251), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:34:54] "←[37mGET / HTTP/1.1←[0m" 200 -*

*Current User: 14*

*Current User: 11*

*user target group: 7*

*user target group: 0*

*Current User: 13*

*user target group: 2*

*Creating Session Entry*

*Current User: 12*

*Creating Session Entry*

*user target group: 1*

*Current User: 15*

*user target group: 0*

*Current User: 16*

*user target group: 8*

*Current User: 17*

*Current User: 18*

*user target group: 5*

*user target group: 1*

*{'website\_id': 4, 'user\_id': '11', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 620480), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*Creating Session Entry*

*Current User: 19*

*Current User: 20*

*user target group: 9*

*Creating Session Entry*

*Creating Session Entry*

*user target group: 0*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '12', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 709486), 'browser\_fp': 242421634031791026, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '14', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 709486), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '13', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 736911), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Current User: 21*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*user target group: 6*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*Current User: 24*

*user target group: 0*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '17', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 849431), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '16', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 850919), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Current User: 22*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '15', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 868147), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Current User: 25*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*user target group: 10*

*user target group: 5*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 23*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*user target group: 9*

*{'website\_id': 4, 'user\_id': '18', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 23, 953440), 'browser\_fp': 5234274357797661396, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:35:23] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '19', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 67182), 'browser\_fp': 79113302968340176, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '24', 'language': 'en', 'device': 'Nexus 4', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 72495), 'browser\_fp': -6899386878207395608, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '21', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 152997), 'browser\_fp': 2223293388889293974, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '20', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 264653), 'browser\_fp': -678059371310093074, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '22', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 289639), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '23', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 293647), 'browser\_fp': 3957918683595164281, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '25', 'language': 'en', 'device': 'iPad', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 312186), 'browser\_fp': -8206267485165743438, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 26*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*user target group: 3*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '26', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 35, 24, 626521), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[37mGET /ecommerce HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:24] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:35:26] "←[37mGET /static/css/e\_commerce.css HTTP/1.1←[0m" 200 -*

*Current User: 11*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '11', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 36, 59, 325949), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:36:59] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:36:59] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 14*

*user target group: 7*

*Creating Session Entry*

*Current User: 13*

*user target group: 2*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '14', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 36, 59, 645101), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:36:59] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '13', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 36, 59, 690803), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:36:59] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:36:59] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:36:59] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 15*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '15', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 59243), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 12*

*user target group: 1*

*Current User: 18*

*user target group: 1*

*Current User: 16*

*user target group: 8*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '12', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 380706), 'browser\_fp': 242421634031791026, 'ip\_address': '127.0.0.1'}*

*Current User: 17*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*user target group: 5*

*Creating Session Entry*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '16', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 487560), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '18', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 510481), 'browser\_fp': 5234274357797661396, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '17', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 553318), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 19*

*Current User: 20*

*user target group: 9*

*user target group: 0*

*Creating Session Entry*

*Creating Session Entry*

*Current User: 21*

*user target group: 6*

*{'website\_id': 4, 'user\_id': '19', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 803285), 'browser\_fp': 79113302968340176, 'ip\_address': '127.0.0.1'}*

*Current User: 25*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*user target group: 5*

*{'website\_id': 4, 'user\_id': '20', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 844501), 'browser\_fp': -678059371310093074, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '21', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 908810), 'browser\_fp': 2223293388889293974, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '25', 'language': 'en', 'device': 'iPad', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 0, 945766), 'browser\_fp': -8206267485165743438, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*Current User: 26*

*Current User: 22*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*user target group: 3*

*user target group: 10*

*Current User: 24*

*Current User: 23*

*user target group: 0*

*user target group: 9*

*127.0.0.1 - - [21/Sep/2021 13:37:00] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*Creating Session Entry*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '24', 'language': 'en', 'device': 'Nexus 4', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 1, 67999), 'browser\_fp': -6899386878207395608, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '22', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 1, 67999), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '23', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 1, 79925), 'browser\_fp': 3957918683595164281, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '26', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 37, 1, 99526), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[37mGET /ecommerce/cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:37:01] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 11*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '11', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 30, 296145), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:30] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:38:30] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 14*

*user target group: 7*

*Current User: 13*

*user target group: 2*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '14', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 31, 84599), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:31] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '13', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 31, 157975), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:31] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:38:31] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:38:31] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 15*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '15', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 34, 540252), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:34] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:38:34] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 12*

*user target group: 1*

*Current User: 18*

*user target group: 1*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '12', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 35, 613297), 'browser\_fp': 242421634031791026, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:35] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '18', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 35, 681952), 'browser\_fp': 5234274357797661396, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:35] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:38:35] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:38:35] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 17*

*user target group: 5*

*Current User: 16*

*user target group: 8*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '17', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 232359), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '16', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 256813), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 21*

*user target group: 6*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '21', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 497108), 'browser\_fp': 2223293388889293974, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 20*

*user target group: 0*

*Current User: 19*

*user target group: 9*

*Current User: 25*

*user target group: 5*

*Current User: 26*

*Creating Session Entry*

*user target group: 3*

*Creating Session Entry*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '20', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 713253), 'browser\_fp': -678059371310093074, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '25', 'language': 'en', 'device': 'iPad', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 734364), 'browser\_fp': -8206267485165743438, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '26', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 734364), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Current User: 24*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*user target group: 0*

*Current User: 22*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*user target group: 10*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '19', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 787262), 'browser\_fp': 79113302968340176, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*Current User: 23*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*user target group: 9*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '24', 'language': 'en', 'device': 'Nexus 4', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 841917), 'browser\_fp': -6899386878207395608, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '22', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 867264), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '23', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 38, 36, 930423), 'browser\_fp': 3957918683595164281, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[37mGET /ecommerce/newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:38:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 11*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '11', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 1, 317113), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:01] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:40:01] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 14*

*user target group: 7*

*Creating Session Entry*

*Current User: 13*

*user target group: 2*

*{'website\_id': 4, 'user\_id': '14', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 2, 228565), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:02] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:40:02] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '13', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 2, 304205), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:02] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:40:02] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 15*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '15', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 5, 458722), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:05] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:40:05] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 12*

*user target group: 1*

*Current User: 18*

*user target group: 1*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '12', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 6, 810659), 'browser\_fp': 242421634031791026, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:40:06] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '18', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 6, 867273), 'browser\_fp': 5234274357797661396, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:06] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:40:06] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:40:06] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 16*

*user target group: 8*

*Current User: 17*

*user target group: 5*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '16', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 9, 229795), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:09] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '17', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 9, 297590), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:09] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:40:09] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:40:09] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 21*

*user target group: 6*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '21', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 279684), 'browser\_fp': 2223293388889293974, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 19*

*Current User: 20*

*user target group: 9*

*user target group: 0*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '19', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 650629), 'browser\_fp': 79113302968340176, 'ip\_address': '127.0.0.1'}*

*Current User: 25*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '20', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 723859), 'browser\_fp': -678059371310093074, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*user target group: 5*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 26*

*Current User: 22*

*user target group: 10*

*user target group: 3*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '25', 'language': 'en', 'device': 'iPad', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 835979), 'browser\_fp': -8206267485165743438, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*Current User: 23*

*Current User: 24*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*user target group: 0*

*user target group: 9*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '22', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 867846), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '26', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 886083), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '24', 'language': 'en', 'device': 'Nexus 4', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 956940), 'browser\_fp': -6899386878207395608, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '23', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 40, 10, 970139), 'browser\_fp': 3957918683595164281, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:40:10] "←[37mGET /ecommerce/price=d HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:40:11] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:40:11] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 11*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '11', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 32, 75729), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:32] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:32] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 14*

*user target group: 7*

*Current User: 13*

*user target group: 2*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '14', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 33, 497341), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:41:33] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '13', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 33, 550863), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:33] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:33] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:41:33] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 15*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '15', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 36, 287438), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:36] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:36] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 12*

*user target group: 1*

*Current User: 18*

*user target group: 1*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '12', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 38, 80935), 'browser\_fp': 242421634031791026, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:38] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:41:38] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '18', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 38, 191623), 'browser\_fp': 5234274357797661396, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:38] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:38] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 16*

*user target group: 8*

*Current User: 17*

*user target group: 5*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '16', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 40, 417471), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:40] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '17', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 40, 493136), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:40] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:40] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:41:40] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 21*

*user target group: 6*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '21', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 41, 76573), 'browser\_fp': 2223293388889293974, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:41] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:41] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 19*

*user target group: 9*

*Current User: 20*

*user target group: 0*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '20', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 42, 995196), 'browser\_fp': -678059371310093074, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:43] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:43] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*{'website\_id': 4, 'user\_id': '19', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 43, 114472), 'browser\_fp': 79113302968340176, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:43] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:43] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 25*

*user target group: 5*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '25', 'language': 'en', 'device': 'iPad', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 43, 599101), 'browser\_fp': -8206267485165743438, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:43] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*Current User: 22*

*127.0.0.1 - - [21/Sep/2021 13:41:43] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*user target group: 10*

*Current User: 26*

*user target group: 3*

*Creating Session Entry*

*Current User: 23*

*user target group: 9*

*Current User: 24*

*user target group: 0*

*Creating Session Entry*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '22', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 44, 10691), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '26', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 44, 56194), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '24', 'language': 'en', 'device': 'Nexus 4', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 44, 57780), 'browser\_fp': -6899386878207395608, 'ip\_address': '127.0.0.1'}*

*{'website\_id': 4, 'user\_id': '23', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 41, 44, 57780), 'browser\_fp': 3957918683595164281, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[37mGET /ecommerce/price=d&cookie=f&bfp=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:41:44] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 11*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '11', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 3, 180941), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:03] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:03] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 14*

*user target group: 7*

*Creating Session Entry*

*Current User: 13*

*user target group: 2*

*{'website\_id': 4, 'user\_id': '14', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 4, 436418), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:43:04] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '13', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 4, 483352), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:04] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:04] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:43:04] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 15*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '15', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 7, 183281), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:07] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:07] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 12*

*user target group: 1*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '12', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 9, 86275), 'browser\_fp': 242421634031791026, 'ip\_address': '127.0.0.1'}*

*Current User: 18*

*127.0.0.1 - - [21/Sep/2021 13:43:09] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*user target group: 1*

*127.0.0.1 - - [21/Sep/2021 13:43:09] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '18', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 9, 170286), 'browser\_fp': 5234274357797661396, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:09] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:09] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 16*

*user target group: 8*

*Current User: 17*

*user target group: 5*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '16', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 11, 655500), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:11] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '17', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 11, 701558), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:11] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:43:11] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:11] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 21*

*user target group: 6*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '21', 'language': 'en', 'device': 'Mac', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 12, 74886), 'browser\_fp': 2223293388889293974, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:12] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:12] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 19*

*user target group: 9*

*Current User: 20*

*user target group: 0*

*Creating Session Entry*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '19', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 14, 281309), 'browser\_fp': 79113302968340176, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:14] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '20', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 14, 295326), 'browser\_fp': -678059371310093074, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:14] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:14] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:43:14] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 25*

*user target group: 5*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '25', 'language': 'en', 'device': 'iPad', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 14, 949079), 'browser\_fp': -8206267485165743438, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:14] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 22*

*user target group: 10*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '22', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 15, 317178), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*Current User: 26*

*Current User: 23*

*user target group: 9*

*user target group: 3*

*Creating Session Entry*

*Current User: 24*

*user target group: 0*

*Creating Session Entry*

*{'website\_id': 4, 'user\_id': '26', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 15, 548834), 'browser\_fp': -7896852556784767716, 'ip\_address': '127.0.0.1'}*

*Creating Session Entry*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '23', 'language': 'en', 'device': 'Other', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 15, 578011), 'browser\_fp': 3957918683595164281, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*{'website\_id': 4, 'user\_id': '24', 'language': 'en', 'device': 'Nexus 4', 'location': None, 'timestamp': datetime.datetime(2021, 9, 21, 13, 43, 15, 591183), 'browser\_fp': -6899386878207395608, 'ip\_address': '127.0.0.1'}*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[37mGET /ecommerce/price=d&newuser=t HTTP/1.1←[0m" 200 -*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

*127.0.0.1 - - [21/Sep/2021 13:43:15] "←[33mGET /static/css/base2.css HTTP/1.1←[0m" 404 -*

1. <https://personalization.ccs.neu.edu/Projects/PriceDiscrimination/> [↑](#footnote-ref-1)
2. <https://github.com/johuellm/personalization-testsuite> [↑](#footnote-ref-2)