

## TASK 1

Create web project that will detect user agent and based on the results it will generate content of web page. Also project will collect data of user (IP address, user agent string, date time and type of device - phone, tablet or computer).

Use MobileDetect PHP class (<http://mobiledetect.net/> )

Use meta viewport tag

Use cookies to prevent storing the same data for 15 minutes

<https://www.php.net/cookies>

Set default timezone to Europe/Belgrade

<https://www.php.net/manual/en/function.date-default-timezone-set.php>

Web project has several files:

*index.php*

*config.php* (Contains parameters for MySQL connection constants. This file is included by *index.php* and *show\_logs.php*)

*db\_con.php* (Connection to MySQL database. This file is included by *index.php* and *show\_logs.php*)

*functions.php* (Contains all functions. This file is included by *index.php* and *show\_logs.php*)

*show\_logs.php*

*index.php* detects user agent, logs data in log table and shows a link *Show logs*.

For getting IP address use *getIpAddress* function. Create function *insertIntoLog* which will store user data in table *log*. Create *getLogData* function that will return all data from *log* table as array. On page *show\_logs.php* you need to call function *getLogData* and with *foreach* function write out data in table format with column headings.

For preventing storing the same date in database for 15 minutes you need to create cookie with name VISITED and the value YES. If is set cookie, you don't detect and don't store the data in table.

Created project test with several web browsers and with user agent switcher plugin (use different user agent types).

Install and start *ngrok* program. Test your project with the address assigned by *ngrok*. For testing user you mobile device. Send *ngrok* link to friends to test your project.

On page *show\_logs.php* use Google Fonts, MySQL DATE\_FORMAT function for formatting date\_time ([https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html#function\\_date-format](https://dev.mysql.com/doc/refman/8.0/en/date-and-time-functions.html#function_date-format) ). Table should be formatted as on figure below **and data should be listed in descending order by date time**. In hover state for row, background color of row is changed to #f5f5f5 color.

Colors for classes for device type are:

phone #0f0

computer #0ff

tablet #fffacd

## Logs

legend: phone computer tablet

No	User agent	Ip address	Date time	Device
1.	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/93.0	127.0.0.1	28.10.2021.	computer
2.	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/93.0	147.91.199.142	28.10.2021.	computer
3.	Mozilla/5.0 (Linux; Android 11; M2007J20CG) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.159 Mobile Safari/537.36	147.91.199.142	28.10.2021.	phone
4.	Mozilla/5.0 (Linux; Android 11; SAMSUNG SM-G970U) AppleWebKit/537.36 (KHTML, like Gecko) SamsungBrowser/15.0 Chrome/90.0.4430.210 Mobile Safari/537.36	79.101.110.198	28.10.2021.	phone
5.	Mozilla/5.0 (Linux; Android 11; M2007J20CG) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.159 Mobile Safari/537.36	147.91.199.142	28.10.2021.	phone
6.	Mozilla/5.0 (Linux; Android 11; M2007J20CG) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.159 Mobile Safari/537.36	147.91.199.142	28.10.2021.	phone
7.	Mozilla/5.0 (Linux; Android 11; M2007J20CG) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/92.0.4515.159 Mobile Safari/537.36	147.91.199.142	28.10.2021.	phone
8.	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/93.0	147.91.199.142	28.10.2021.	computer
9.	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/93.0	127.0.0.1	22.10.2021.	computer
10.	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/93.0	127.0.0.1	22.10.2021.	computer
11.	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/93.0	127.0.0.1	22.10.2021.	computer
12.	Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:93.0) Gecko/20100101 Firefox/93.0	127.0.0.1	22.10.2021.	computer