MINISTRY FOR EDUCATION AND SCIENCE OF RUSSIA

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

SAINT PETERSBURG ELECTROTECHNICAL UNIVERSITY

«LETI»

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**APPROVED**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date, signature

INTERACTIVE WEB-PAGE OF A LUMBER COMPANY

Project title

TEST REPORT

Document name

**Technical expert – coacher**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Full name email**

**Teacher**

**Filippov Evgeny Vasilyevich** [e.philippov.leti@mail.ru](mailto:e.philippov.leti@mail.ru)

St. Petersburg

2019

**TEST PLAN**

|  |  |  |
| --- | --- | --- |
| **Test type** | **Test case amount** | **Test case description** |
| 1.Functional testing | 25 | Testing of website interaction and all the button functionality |
| 2. Cross platform testing | 5 | Testing different devices on friendliness |
| 3. Usability testing | 10 | Testing UI |
| 4. Performance testing | 25 | Testing code, databases, performance of algorithm, speed |

**TEST CASES**

|  |  |  |
| --- | --- | --- |
| **Test type** | **Test case ##** | **Test case description** |
| Performance testing | 1.1 | Checking efficiency and maximizing the profit of the cut based on log dimensions and lumber with prices. Cuttest3 file contains all the unit tests. |
| Performance testing | 1.2 | Database connection to the whole project: retrieval of data, update of data, populating the database |
| Performance testing | 1.3 | Checking speed of response and switching between the pages. Checking the efficiency of the code. |
| Cross platform testing | 2.1 | Checking website on multiple devices such as phone, laptop, tablet etc. |
| Usability testing | 3.1 | Testing overall user friendliness, and UI design flows |
| Functional testing | 4.1 | Check of the navbar buttons and interaction with google maps |
| Functional testing | 4.2 | Testing of file uploads function and cutting function |
| Functional testing | 4.3 | Testing of submitting the order and recipe look up |

**TEST RESULTS**

|  |  |  |
| --- | --- | --- |
| **Test type** | **Test case ##** | **Results**  **Passed successfully /Attempted** |
| Performance testing | 1.1 | 13/13 passed |
| Performance testing | 1.2 | 8/8 passed |
| Performance testing | 1.3 | 4/4 passed |
| Cross platform testing | 2.1 | 5/5 passed |
| Usability testing | 3.1 | 9/10 passed |
| Functional testing | 4.1 | 6/6 passed |
| Functional testing | 4.2 | 13/15 passed |
| Functional testing | 4.3 | 4/4 passed |

So, couple tests failed because I didn’t have time to consider all cases for file uploads and the function of cut due to lack of time and recent Family business risk. I made the main functions work and perform efficiently, but I still have to fix those flows. Regarding UI, I wanted to have it better in some pages, especially in woodcutter because I was rushing for the same reasons above, that page turned out just informative with buttons which I will also fix.

So, those two defects are in works right now and will be resolved ASAP.

Overall 95.4% of the tests passed successfully which is a very satisfying number to me.