TEST OBJECTIVES

This document outlines a plan to conduct a usability test for the development of the search functionality on http://lamp.cse.fau.edu/~CEN4010\_S2018g07/. This website is designed to allow students at Florida Atlantic University to request electrical parts and various services from the electronics lab located at Engineering East. The goals of this test are to better understand user satisfaction and to identify design concerns related specifically to the search process.

The usability test objectives are:

* To determine usability problems when attempting to search. These may come from:
  + Navigation – excessive steps to complete a search request
  + User interface – difficulty locating the search box on the web page or using the input box itself.
* To examine search functionality’s correctness in terms of the returned results. This does not extend to whether the returned results are complete in terms of total inventory but includes properly notifying the user if the searched item was not found.
* To identify whether the time taken for a single search is considered efficient by the user.
* To establish a baseline of user satisfaction of the user interface and the performance related to search functionality.

The results gathered from this usability test are expected to have impact on the current development of the websites search functionality.

TEST PLAN

System setup

To complete this usability test, the user must have a computer with internet access (high-speed broadband recommended) and a web browser installed.

Starting point

When a new instance of a web browser is installed, the user must navigate to http://lamp.cse.fau.edu/~CEN4010\_S2018g07/.

Participants

The intended users are students at the College of Engineering at Florida Atlantic University. These users are expected to have an above-average understanding of how to navigate websites and use available functionality.

Procedure

Once at the starting point, the user will have access to a search box on the webpage. They must type a keyword into the input box to search for their desired part from the websites inventory. The user will then press [ENTER] on their keyboard or click the “Search” button. A new page will load with either an error or the results of their search. Users can run another search from the results page immediately or navigate back to the homepage specified as the starting point.

Completion Criteria

The test will be considered complete when the user feels they have attempted enough searches to form an opinion of the functionality. This involves formulating keywords that may produce errors as well as correct results.

Questionnaire Form

1. The search box is easy to navigate to.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |

1. The search functionality returns expected results.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |

1. The time required to complete a search is satisfactory.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Strongly Agree | Agree | Neutral | Disagree | Strongly Disagree |