Version <1.0>

Revision History

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| 30/06/2014 | 1.0 | Creating | A.Frizyuk |
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# Introduction

## Purpose

The purpose of this document is to describe testing process for the website. This document allows to get information about list of testing work need to perform.

## Background

clgcms.qatestlab.com – site for the students of university that allows to know more about university life, new courses, events and find new friends.

## Testing goal

The goal of testing site is the verification of correctly working it functionality in different modern web browsers with all of it typical use cases. Also piece of time will be using for testing not typical scenarios which may lead to the site crash.

The result of testing process will be next documents:

* Final information from testing team about current state, that will give developers and managers information does site work in different browsers;
* Report about requirements and use cases coverage;
* Bug reports in product owner bug tracker system;

Test engineers will be use manual testing technique calls ad-hoc testing as a final product consumer

# Requirements for Test

Website should allow users to view new information, communicate registered users with another registered users, leave comments and feedback, update news, and view studying results using class id and personal id.

# Test Strategy

The test plan that located bellow represents basics testing principals and can’t be use as official testing guide. To view final results about website functionality we should perform few testing rounds, and after each of them this document will get new version. First round of testing will give information about system stability and test-cases which need to perform in each system release.

During the testing process will be use ad-hoc testing technique that’s because the strict requirements are absent.

There are five stages for testing process:

* Technical description analysis, test plan creating, particularly functional test execution;
* Detailed functional test execution with describing bug reports;
* Cross browser testing with describing bug reports;
* Regression testing fixed bugs;
* Web-site design testing;

Using described testing process allows to fix critical bugs on earlier development stages;

Operating systems to test:

* Windows 7;
* Mac Os;

Browsers to test:

* Internet Explorer 8+;
* Google Chrome (latest);
* Opera(latest);
* Firefox(latest);
* Safari(latest);

## Testing types.

**3.1.1. Functional testing**

The Purpose is to find functional bugs, technical description mismatch by execution typical test-cases.

**Process description:**

|  |
| --- |
| **Home page** |
| * New users list |
| * Info about visitor |
| * "Navigation" menu for registered/not registered users |
| **Search page** |
| * Search engine |
| * Correct working for registered/not registered users |
| **Result page** |
| * Results using existed classes and Roll Number/hall ticket numbers. |
| * Correct working for registered/not registered users |
| **Courses page** |
| * Correct working for registered/not registered users |
| **Registration page** |
| * Registration form |
| * User registration |
| **Login page** |
| * User sign in |
| **Welcome page** |
| * IP-address defining |
| * Read/unread messages notification |
| * User sign out |
| **Messages page** |
| * Incoming messages |
| * Read/unread messages |
| * Message deleting |
| * Incoming/sent message restriction |
| **Sent messages page** |
| * Sent messages |
| * Sent messages deleting |
| **Incoming message read page** |
| * Message reading |
| * Repling on message |
| * Messame forwarding |
| * Message deleting |
| **Sent message read page** |
| * Message reading |
| * Message forwardign |
| * Message deleting |
| **Create message page** |
| * Message styles |
| * From cleaning |
| * Message sending |
| **Profile page** |
| * Profile information form |
| * Changing profile information |
| * Profile picture downloading form |
| * Profile picture downloading |
| * Profile picture accepting |
| * Profile password changing form |
| * Profile password changing |
| * Profile email changing form |
| * Profile email changing |
| * Profile email changing notification |
| * Profile private settings |
| **News page** |
| * News adding form |
| * News adding |
| * Sent data security |
| **Chat page** |
| * Chat working |
| * Sent data security |
| **Suggestion/Comment page** |
| * Adding comments form |
| * Comments posting |
| * Sent data security |
| **Search user page** |
| * User finding form |
| * User finding by different criteria |
| **View Profile page** |
| * User information viewing |
| * Sending message |
| **Site add page** |
| * Adding site link form |
| * Adding site link |
| * Site forwarding |
| **Feedback page** |
| * Feedback adding form |
| * Feedback adding |
| * Correct working for registered/not registered users |
| **Notes page** |
| * Book and notes downloading |
| **"Gallery" Function page** |
| * Page listing with pictures |
| * Picture scaling |
| * Correct working for registered/not registered users |
| **"Gallery" Fresher party page** |
| * Page listing with pictures |
| * Picture scaling |
| * Correct working for registered/not registered users |
| **"Gallery" Tour page** |
| * Page listing with pictures |
| * Picture scaling |
| * Correct working for registered/not registered users |
| **"Gallery" Seminars page** |
| * Page listing with pictures |
| * Picture scaling |
| * Correct working for registered/not registered users |
| **"Gallery" College picture page** |
| * Page listing with pictures |
| * Picture scaling |
| * Correct working for registered/not registered users |
| **"Galley" Videos page** |
| * Page listing with videos |
| * Video scaling to full screen |
| * Video streaming |
| * Video sharing |
| * Video "like" marking |
| * Correct working for registered/not registered users |

**3.1.2. Cross browser testing**

The purpose is to check work in design in different browsers

Browsers

* Internet Explorer 8+;
* Google Chrome (latest);
* Opera(latest);
* Firefox(latest);
* Safari(latest);

**3.1.3. Regression testing and fixed bugs verification**

The purpose is to check that critical bugs was fixed and fixed bugs didn’t break worked functionality.

Tests to execute:

* Verification tests;
* Version testing;
* Near functionality testing;

**3.1.4. Design testing**

The purpose is to check that product layout match pages design;

Layout to check:

* Main page;
* Search page;
* Results page;
* Courses page;
* Registration page;
* Login page;
* Welcome page;
* Messages page;
* Sent messages page;
* Incoming message read page;
* Sent message read page;
* Create message page;
* Profile page;
* News page;
* Chat page;
* Suggestion/Comment page;
* Search user page;
* View user profile page;
* Site adding page;
* Feedback page;
* Notes page;
* Gallery pages;

# Work plan

|  |  |  |  |
| --- | --- | --- | --- |
| **Task** | **Hum/Hours** | **Start date** | **Finish date** |
| Test plan creating | 5 | 30.06.2014 | 01.07.2014 |
| Functional testing | 24 | 01.07.2014 | 02.07.2014 |
| Cross browser testing | 16 | 03.07.2014 | 04.07.2014 |
| Regression testing | 12 | 14.07.2014 | 15.07.2014 |
| Site design testing | 12 | 16.07.2014 | 17.07.2014 |

# Deliverables

The result of testing process must become information about system stability with described bug reports and functional test pass/failed.