Telerik Academy Learning System

Test plan

Project URL:

***http://stage.telerikacademy.com/***

*Document Revision History*

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| --- | --- | --- | --- |
| Date | Version | Comment | Author |
| 23.11.15 | 1.0 | Initial version | I. Havalyova |
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10. **Introduction**

Telerik Academy Learning System is student system developed for the purpose of training at the Telerik Academy. It is built and maintained by the Academy of Telerik

centralized information system, which stored information about training courses, participants in the Telerik Academy, their results in the courses (homework, projects, assessments and achievements), schedules classrooms, courses and workshops, and other information related to teaching and activities in the Academy.

1. **Objective**

Objective of this test plan is to ensure that the functionalities of the Telerik Academy Student System listed in article 4a of this document are tested. The top priority functionalities will be “Login” and “Registration”. Medium priority will be the “Courses enrolment”, “Access to lectures/presentations/home works” and “Changing the form of training attendance/online”. Low priority are “Friends” and “Messages”. Users must be able to register and login with a user and not to be able to login or change another user account. Users must have the opportunity to enroll to a course and access all the courses resources and eventually switch from onsite to online education. Users must be able to invite other users to be friends and if the friendship is accepted they must be able to exchange messages.

1. **Assumptions**

The web application to be tested is located at <http://stage.telerikacademy.com/> and is in complete code freeze, ready for testing. The testing is going to be performed by five independent teams of quality assurance trainees. Each of the teams will have responsibility to test a set of functionalities. The cost of testing will be the cost of the trainer staff and the infrastructure to perform the training. The tools used will be either open source or Telerik products.

1. **Risk Analysis**

Major risk for the completion of this plan is lack of organization and lack of competence from the trainees. The teams will be self-organized and weekly reviews of each team’s progress will be performed by the trainers in order to minimize these risks and provide the team with guidance. There will be three 4 hour training sessions each week in order to familiarize the trainees with the test process.

1. **Team members**

|  |  |  |
| --- | --- | --- |
| Name | Role | User |
| Decho Dechev | QA | decho.D |
| Dimitar Panayotov | QA | The.Bager |
| Ilvie Havalyova | QA | havaliova |
| Yane Yosifov | QA | Curiosity |

1. **Scope**
   1. Functions to be tested by the team

|  |  |
| --- | --- |
| Users | Admin |
| Changing the form of training - attendance / online | Front |
| Access to lectures / presentations / home works | Front |
| Courses enrollment | Front |
| Registration | Front |
| Log in | Front |
| Friends | Front |
| Messages | Front |

* 1. Functions not to be tested

All other not mentioned above in section 4.1

1. **Test strategy** 
   1. **Stress testing**

Stress testing of all functionalities will be performed. The behavior of the application will be tested with the database and/or webserver offline.

1. **Communication Approach**

The team will use the scrum development process. Weekly planning meetings will be held at 20:00 on Monday. The standup daily scrum meetings will be held on Facebook at 22:00 every week day except Monday and Friday.

1. **Test Tools**

|  |  |  |
| --- | --- | --- |
| Tool Name | Vendor | Version |
| Telerik Team Pulse | Telerik |  |
| Selenium | Open Source |  |
| Telerik Test Studio | Telerik |  |