STUDY LINK

Software Requirements Specification

**1.0**

**10/8/2017**

**Prepared for**

SourceQode tech.

Revision History

|  |  |  |  |
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| Date | Description | Author | Comments |
| 10th/8/2017 | Version 1 | Kiyingi Denis , Steven | Initial draft |

Document approval

The following software requirements specification has been accepted and approved by the following:

|  |  |  |
| --- | --- | --- |
| Printed Name | Title | Date |
|  |  |  |

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INTRODUCTION

Studylink project aims at providing an educational platform that supports collaborative learning among students and educators. This release will have limited features, new functionalities will be added to the system over a period of time.

PURPOSE

The purpose of this document is to outline the requirements for the StudyLink system to be developed for SourceQode tech. This document will be used by all stakeholders including developers and testers.

SCOPE

The scope of this project is limited to testing of the features described in the succeeding sections of this document.

Non-functional and Automation testing are beyond scope.

Functional testing and external interfaces are in scope and need to be tested.

StudyLink will be a web system and will be compatible with all latest versions of web browsers supporting JavaScript.

DEFINITIONS, ACRONYMS AND ABBREVIATIONS

|  |  |
| --- | --- |
| **Abbreviation** | **Word** |
|  |  |
|  |  |
|  |  |
|  |  |

REFERENCES

**SPECIFIC REQUIREMENTS.**

StudyLink will have 3 roles:

1. Student
2. Educator
3. Administrator
4. School
5. Other

The Following Features will be available to these 3 different roles

|  |  |  |
| --- | --- | --- |
| Student | Educator | Administrator |
| Create Account | Create Account | Manage reported issues like deleting system resources |
| Ask questions | Reply to asked question |  |
| Vote a Qn, Answer or a resource | Create lectures on a topic |  |
| Answer question , Comment on answer or qn | Create a quiz |  |
| \*Create a study group | Schedule Webinar |  |
| Follow students, educators | Share lesson plans/schemes |  |
| Perform Discussion | Co-authoring on document preparations |  |
| * Live / video conference | Create a group. |  |
| * Voice recording |  |  |
| * Group texting |  |  |
| * Live white board |  |  |
|  |  |  |
| Join/ leave a group |  |  |
| Invite or remove persons |  |  |
| -Schedule discussion |  |  |
| Request assistance on a topic |  |  |
| Accept assistance requests and schedule |  |  |
| Students take quiz from teachers |  |  |
| Create and update profile |  |  |
| Upload and share papers, (pdf, image) |  |  |
| Share books, link and papers |  |  |
| Rating resource (books, papers, videos, lectures) |  |  |
| * co-authoring on documents |  |  |
| Receive trending updates/news feeds |  |  |
| Rating of contributors to the platform |  |  |
| Students can see science lab experiment’s |  |  |
| \*Can play simple brain online games |  |  |
| Can inquire from the chat bot |  |  |
| Create special posts( like seminars, papers, books,) | Ask only teachers |  |
| Private chat with members on the platform |  |  |

DESCRIPTION OF MODULES

|  |  |  |  |
| --- | --- | --- | --- |
|  | MODULE NAME | APPLICABLE ROLES | DESCRIPTION |
| MD01 | Account management | Student, educator | * can create account using * Can receive forgotten password * Login using google or Facebook authentication |
| MD02 | Blogging | Student, educator | - can ask questions and reply to the asked questions , Comment |
| MD03 | Manage Group and Private chats | Student, educator | * Create multiple groups and manage all the activities within the groups such joining, inviting, removing members. |
| MD04 | Group discussion | Student, educator | Student:  Student: Can perform live/ video conference, group messaging, schedule discussion, take online quiz, audio recording and live white boards within their groups.  Educator: Can perform live/ video conference, group messaging, audio recording, create quiz, create lecture notes on a given topic, share lessons and lesson plans, create webinar and live white boards within their groups. |
| MD05 | Follow user | Student, educator | Student: can follow their fellow students, schools and educators depending on their contribution on the platform. The most followed person can easily be noticed by other members.  Educators: can follow other educator with the resources they are interested in. |
| MD06 | Rating | Student, educator | Student/educator can rate the resources they access and use on the platform |
| MD07 | Profile Management | Student, educator | Student/educator -can update their profile details such as profile picture, email address, handle etc. |
| MD08 | Assistance | Student, educator | Student/educator -Can request assistance, accept assistance, and schedule request made. |
| MD09 | Lab tutorials | Student, educator | Student/educator can access lab tutorials on the experiments of their own choices such as science tutorials. |
| MD10 | Chat bot | Student, educator | Student/educator interact with via a chat such that as to make search for resources over the internet or platform. |
| MD11 | Authoring | Student, educator | Student/educator- can do co-authoring on the articles among themselves. |
| MD12 | newsfeeds | Student, educator | Student/educator – can access news from the trending news that are related to the topic of their interest such as new resources , trends in teaching, best rated resources. |
| MD13 | Resource sharing | Student, educator | Student/ educator- can access both public and private resources such as books, past papers, videos, audios. Private sharing is only visible and accessed within only by the members within a given group. Public sharing is a visible to everyone using the system. |
|  |  |  |  |
| MD15 | Online library(catalog) | Student, educator | Student/ educator- can access both public and private resources such as books, past papers videos. Private resources are paid for while public is free to everyone using the platform. |
| MD16 | Games | Student | Student/ educator can play educational games online during their refreshment time. |
| MD17 | administration | administrator | Administrator can update, delete, and block inappropriate posts on the platform. |
| MD18 | School | School students | Provide resources to schools like past papers, Teachers can link up to students… |
|  |  |  |  |