|  |
| --- |
| UAS Software Development Project 1 |
| Studyportal |
| Software Requirement Specification |

|  |
| --- |
| Team members:  Antti Wilenius  Ville Huttu  Kristiina Niskakangas |

Contents

[1. Introduction 2](#_Toc323026075)

[1.1 Product Overview 2](#_Toc323026076)

[1.1.1 Key Product Features 2](#_Toc323026077)

[1.2 Operating Environment 2](#_Toc323026078)

[1.3 Reference Material 2](#_Toc323026079)

[1.4 Definitions and Acronyms 2](#_Toc323026080)

[2. Functional Requirements 3](#_Toc323026081)

[2.1 Course management 3](#_Toc323026082)

[2.1.1 Create new course 3](#_Toc323026083)

[2.1.2 Modify an existing course 3](#_Toc323026084)

[2.1.3 Delete course 3](#_Toc323026085)

[2.1.4 Create a student / project group 3](#_Toc323026086)

[2.1.5 View & enroll to courses (students) 3](#_Toc323026087)

[2.2 Notification system 3](#_Toc323026088)

[2.3 Student calendar 3](#_Toc323026089)

[2.4 Message system 3](#_Toc323026090)

[2.5 Feedback system 3](#_Toc323026091)

[2.5.1 Course feedback 3](#_Toc323026092)

[2.5.2 Student feedback 4](#_Toc323026093)

[2.5.3 Polls 4](#_Toc323026094)

[3. Non-Functional Requirements 4](#_Toc323026095)

[3.1 Mobile user friendly 4](#_Toc323026096)

[3.2 Security 4](#_Toc323026097)

[3.2.1 Site security 4](#_Toc323026098)

[3.2.2 User management 4](#_Toc323026099)

# Introduction

## Product Overview

Studyportal is a web-based tool aimed to provide an easier, more efficient and accurate methods for managing studies and courses for both the teachers and the students.

### Key Product Features

**All-in-one frontpage**All the relevant information is presented on the main page.

**Course management**Admins (teachers) can create and modify courses and their information. Students can enroll to and view course information.

**Notification system**Automatic notifications of important course related events and deadlines for both admins and students.

**Student calendar**

Students can view the weekly course contents and important topics.

**Message system**  
Quick messaging between students and teachers. Messages can be sent to individual persons or groups.

**Feedback system**

Teachers can collect feedback from the course, its topics or contents, and also give feedback to individual students or student groups.

## Operating Environment

Studyportal is a web-based service which can be accessed via a PC or a mobile phone.

## Reference Material

## Definitions and Acronyms

|  |  |
| --- | --- |
| **Definition / acronym** | **Explanation** |
| Admin | Refers to a teacher giving and maintaining the course |
| Student | An individual participating on a course |

# Functional Requirements

## Course management

### Create new course

Admins can create new courses and provide information about the course such as course description, contents, exam dates, homework, projects, etc.

### Modify an existing course

Admins can modify all course related information, as described in chapter 2.1.1.

### Delete course

Admins can delete finished courses

### Create a student / project group

Admins can create and label groups of students in a course for general or for assignment specific purposes.

### View & enroll to courses (students)

Students can enroll to courses and course related projects created by the admin. Students can view the contents of the course.

## Notification system

Students can see notifications about important course related information such as exam dates or project deadlines. Notifications are automatically generated from the information provided during the creation of new course, but admins can also provide custom notifications.

## Student calendar

Students and admins can see a calendar showing all the information related to ongoing and upcoming courses on a weekly / monthly basis.

## Message system

Students and admins can send and receive quick messages from each other. Messages can be sent to individual persons or groups.

## Feedback system

### Course feedback

Students can give feedback about the course, its contents and topics.

### Student feedback

Admins can give feedback to individual students or groups regarding homework, project progress, attendance, etc.

### Polls

Admins can collect information for improving the ongoing course through “quick polls”.

# Non-Functional Requirements

## Mobile user friendly

The site can be accessed through a mobile phone; no heavy graphics or complicated user interfaces.

## Security

### Site security

The service is protected against SQL injection and other malicious use.

### User management

The service admin (superuser) creates admin accounts. Admins can create student accounts.