Laboratory Assignment AND Assessment Requirements Specification

Version 1.0

03 March, 2019

Developed by:

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Version History

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| --- | --- | --- | --- |
| **Version** | **Description of Change** | **Author** | **Date** |
| V01 | Initial/Modification of document | Crisan Gabriel, Todoran Corina | 06.03.2019 |
| V02 | Completion of document | Crisan Gabriel, Todoran Corina | 19.03.2019 |

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# Introduction

The application is written in Java and is designated for teachers to monitor the assignment and assessment of the MAP discipline.

## Purpose

The application allows the teacher to display all students, grades and homework. Allows adding a student, a homework and a grade in the repository, as well as deleting an existent student and a homework.

## Scope

The scope of the document is to give information about the system: regarding the users, functionalities, purpose, usability, data management and user scenarios.

## Definitions, Acronyms, and Abbreviations

## Document Overview

The document is organized in chapters and sub chapters describing the general purpose and scope of the document, the product description and requirements such as functional and user interface requirements.

# Product/Service Description

The application allows the teacher to to display all students, grades, homework, add a student, a homework, a grade for a student for a homework, as well as deleting an existent student and a homework.

## Product Context

The product is independent and self-contained.

## User Characteristics

Users that will be using this product are teachers.

# Requirements

Add here the requirements from the “initial” requirement document and details about each identified requirement.

## Functional Requirements

List the functional requirements (FR) of the system.

|  |  |
| --- | --- |
| Section/ Requirement ID | Requirement Definition |
| FR0.1 | Adding a new student with the corresponding data: name, group, email, coordinating teacher |
| FR0.2 | Updating an existing student |
| FR0.3 | Deleting a student |
| FR0.4 | Display all students |
| FR1 | Adding a laboratory theme |
| FR2 | Extend deadline for a homework |
| FR3.0 | Notify students by email when lab theme or delivery date is modified |
| FR3.1 | Unsubscribe from notifications |
| FR4 | Add a grade to a lab topic |
| FR5 | Assign a grade to a student for a homework with corresponding data: theme number, number of the delivered week, deadline week, feedback |
| FR6 | Weekly raport sent by email |
| FR7 | No delay option if the student has motivation |
| FR8 | Filtering entities based on different criteria |
| FR9.0 | Report: Laboratory grade for each student |
| FR9.1 | Report: The hardest the theme |
| FR9.2 | Students who can enter the exam |
| FR9.3 | Report: Students who have delivered all the themes on time |

## User Interface Requirements

The teacher should be presented a menu where each option is describing one of the functional requirements. After choosing an option the program should ask the user to enter the needed information.

## Usability

* The user documentation and help should be complete
* The help should be context sensitive and explain how to achieve common tasks
* The system should be easy to learn.

## Data Management

The data should be stored in an adequate database not in memory as it is in our case.

# User Scenarios/Use Cases

The application allows the user to display all students, grades, themes, add a student, a theme, a grade for a student for a lab, as well as deleting an existent student and a homework.

Please refer to Analysis and Design Document.