

# Project Requirements

## 1 Introduction

Every student from time to time starts thinking about how many times he was absent on, when the APC deadline is, and finally what marks he has for CPP labs.

First of all, this project should provide students with convenient way of access to systematic database of some specific aspects of their study at university, such as absences, marks, etc.

Student's organizer "EasyToStudy" will help to keep track of his status in studying term.

In case of a possibly large number of subjects or lab works, student takes notes down on paper sheets. Sometimes student just rely on his memory tries to keep in mind all the issues. So, as a result, they miss extra lecture, don't have enough average mark to pass the exam without questions or simply to complete lab out of time. The main project requirement – fight these unpleasant situations.

Program should let user enter and edit only certain information types that are described in functional requirements.

## 2 User requirements

### 2.1 Program interfaces

The project should look like a common desktop application for Windows platform usage.

### 2.2 User interface

The application has to interact with user through graphical interface that includes such visual instruments as:

- 1) Timelines
- 2) Tables
- 3) Lists

Adding and editing units of data to appropriate data structures should be obtainable for user. Also program must provide user with up-to-date information about study status.

### 2.3 User characteristics

User of developing software must be familiar with studying process fully and have basic skills of personal computer usage.

Application user-class – students.

### 2.4 Assumptions and dependences

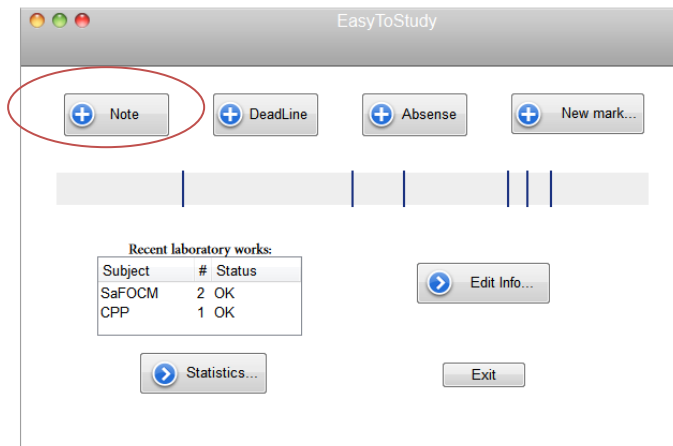
Project requirements can be changed after the emergence of new teaching methods. The application function set should be directly connected with types of classes, specific education system of university, and also with requests of the students themselves.

## 3 System requirements

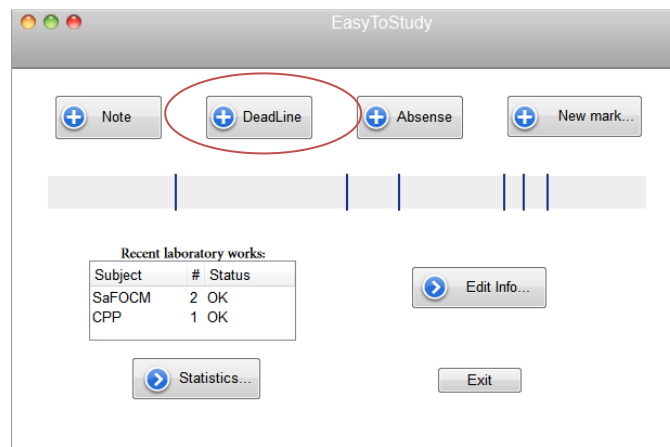
### 3.1 Functional requirements

Application's function set is represented by the following list of abilities:

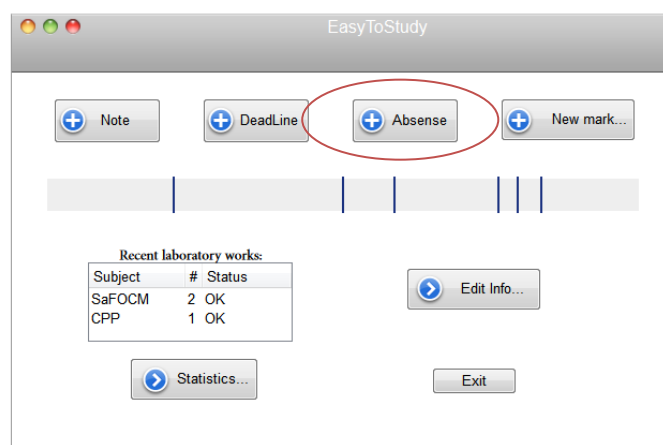
- 1) Adding common notes (for example, a reminder of an extra practical class).



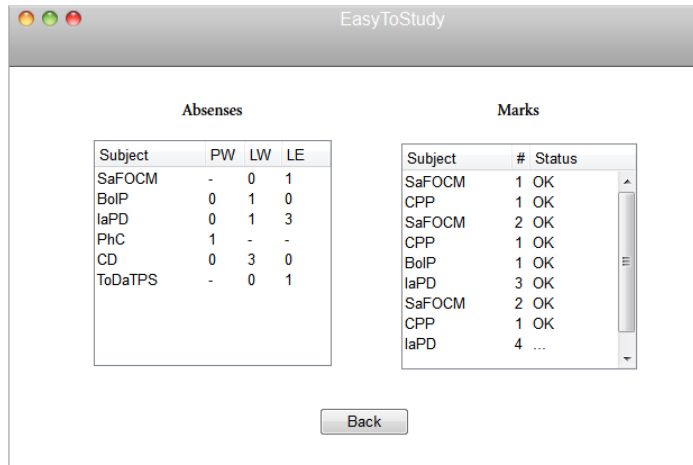
- 2) Setting the deadline.



- 3) Adding new absence.



4) Statistics of student's marks for each subject.

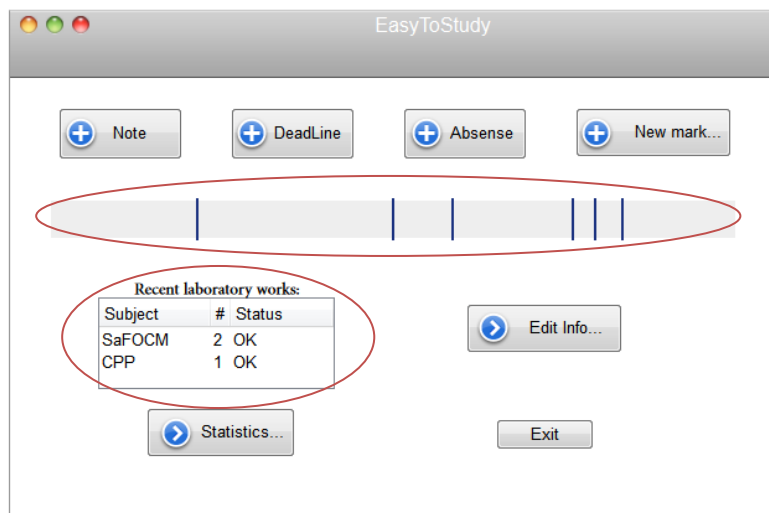


The screenshot shows the 'EasyToStudy' application window. It contains two tables: 'Absences' and 'Marks'. The 'Absences' table has columns for Subject, PW, LW, and LE. The 'Marks' table has columns for Subject, #, and Status. A 'Back' button is located at the bottom center.

Subject	PW	LW	LE
SaFOCM	-	0	1
BolP	0	1	0
IaPD	0	1	3
PhC	1	-	-
CD	0	3	0
ToDaTPS	-	0	1

Subject	#	Status
SaFOCM	1	OK
CPP	1	OK
SaFOCM	2	OK
CPP	1	OK
BolP	1	OK
IaPD	3	OK
SaFOCM	2	OK
CPP	1	OK
IaPD	4	...

5) The visualization of all described-above common functions (for example, timeline with appropriate marks).



### 3.2 Non-functional requirements

Besides having a common functions, app should be user-friendly and be as simple as possible. Sequences of editing, adding and deleting must be simplified, i.e. have not above two switch-over between windows.