SE302 Requirements Document - Group 4

Naci Berkay Caner, Muhammed Furkan Doğan, Ulaş Doğan, Furkan Burucu

November 2020

Contents

1   Introduction to the Project

Syllabus Editing and Changing Software is a program that used to organize the syllabus through a program, save it in the memory of the computer as desired, change the syllabus when needed and save it back to the memory of the computer. Syllabus Editing and Changing Software is going to read the data of syllabus from the web page and save it in its own format. These formats can be .docx extension,which is the extension of Microsoft Word software, the .pdf extension, which is the extension of Adobe Acrobat Reader software, or the .xlsx extension ,which is the Microsoft Excel software, or any extension. In this way, when user wants to change or edit the syllabus, the data is read from the previously mentioned extensions and brought to the user interface. User will see parts of syllabus in this screen(user interface). At this point, user will be able to modify and edit the existing syllabus thanks to the software without creating a syllabus again. After these changes are made, the user can save the changes on the existing syllabus or create a new syllabus with these changes.

2 Functional Requirements

Functional requirements characterize the essential software conduct. Basically, they are what the software does or should not do, and can be considered as far as how the software reacts to inputs.These are the functional requirements of Syllabus Editing and Changing Software.

2.1 User Requirements

- The user is going to be able to edit an existing syllabus.

- The user is going to be able to create a new syllabus.

- The user is going to be able to use the previous information while working on a new syllabus.

- The user is going to be able to delete any stored information.

2.2 System Requirements

- The software must be convenient for both editing the new and already existing syllbuses.

- The software must support both English and Turkish.

- The software must support multiple import forms of files.

- After the work is done the information must seeable through the system.

- The software must calculate the require ECTS.

- The software must be able to filter the requirements for each input.

- Every new information entered to the system must be stored on the database.

3   Non-Functional Requirements

Non-Functional Requirements are the limitations forced on the software.They indicate the quality characteristic of the product.Non-Functional Requirements manage issues like scalability, maintainability, performance, portability, security, reliability and some more.Non-Functional Requirements address crucial issues of value for programming systems.These are the non-functional requirements of Syllabus Editing and Changing Software.

- The software must use at most 100MBs.

- The system must support multiple users at any given time.

- The system must be available 24/7.

- The system must respond within a decent response time.

- The system must be efficient while storing data.

- If an error occurs it must be fixed in a matter of days.

- The system must perform at least 30FPS while running the program.

- The system must work with Microsoft Operating Systems.

- The system must come with a setup file.

- Database must support a vast variety of variables.

- Programs database must be secure.