**CSE3063 PROJECT 1 GROUP 3 ITERATION 2**

**REQUIREMENT ANALYSIS DOCUMENT**

**Description**

**Product Scope**

This project aims to overcome the challenges of students and advisors in selecting and managing courses by following the conditions set out in the Marmara University regulation. This system includes functions such as course selection, management of courses received, sending selected courses to advisor approval, managing enrolled students and creating student transcripts.

**Example Use Case**

**Requirements**

**Non-functional Requirements:**

The system should ony be accessible to students and lecturers, no strangers should be able to access the system.

The software should work on many platforms / IDEs.

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**Functional Requirements:**

**Glossary**

**JSON Configuration file:** It is a modifiable input file that contains information of department, curricilum, lecturers & teaching assistants, students and courses.

**Registration Message**: Registration message is a simple message that states whether the student registered successfully or not, if the registration is unsuccessful it states the reason.

**Advisor:** Advisors are selected among department lecturers. Each student is assigned a random advisor who can approve or dismiss student’s course registration requests.

**Department Rule:** Department rules determine if a student can register to the chosen course.

**Prerequisites:** A course can have many prerequisites and be prerequisite to many courses, as well as having no prerequisites or not being prerequisite to any courses.

**Course Types:** A course can be one of the following: mandatory course, elective course or lab course. Lab courses and elective courses have a capacity. Lab courses have sections ans are teached by teaching assistants

**References**

https://bys.marmara.edu.tr https://cse.eng.marmara.edu.tr/dosya/eng/cse/documents/general/PrerequisiteTree\_2020.pdf https://www.marmara.edu.tr/dosya/www/mevzuat/2021/mu\_yonerge\_basari\_degerlendirme\_2020\_v2 04.02.2021.pdf?\_t=1612473513