



Course registration SRS

Software engineering (Menofia University)

SRS (software requirement specification) document

*** Preface**

Course registration system V1

14/12/2022

People have access to the system:-

- Students
- Doctors (Administrator)
- Developer
- Tester

This system for section 6

*** Introduction**

The main purpose of this system is for the student to be able to register courses.

In this system, the student can display the courses that he can register, and he can register a course and remove a course.

The administrator can modify a course, add a course, or remove a course.

This system follows the regulations of the Faculty of Computers and Information of Menoufia University, and therefore the student cannot register for more than 18 hours in the semester,

and he cannot register a subject without succeeding in the pre-requisite.

* Glossary

pre-requisite : It is a course based course, a student cannot register for the second course without succeeding in the first course (pre-requisite)

* User requirement definition

Functional requirements: -

- Login page
- Registration page
- Available courses page (for student)
- course Registration page (for student)
- Modification page (for Administrator)

Non-Functional requirements: -

- System must be fast.
- The colors of the application are suitable for the eye.
- System must be developed by Java and JavaFX.
- System must be easy to use.

* User requirement definition

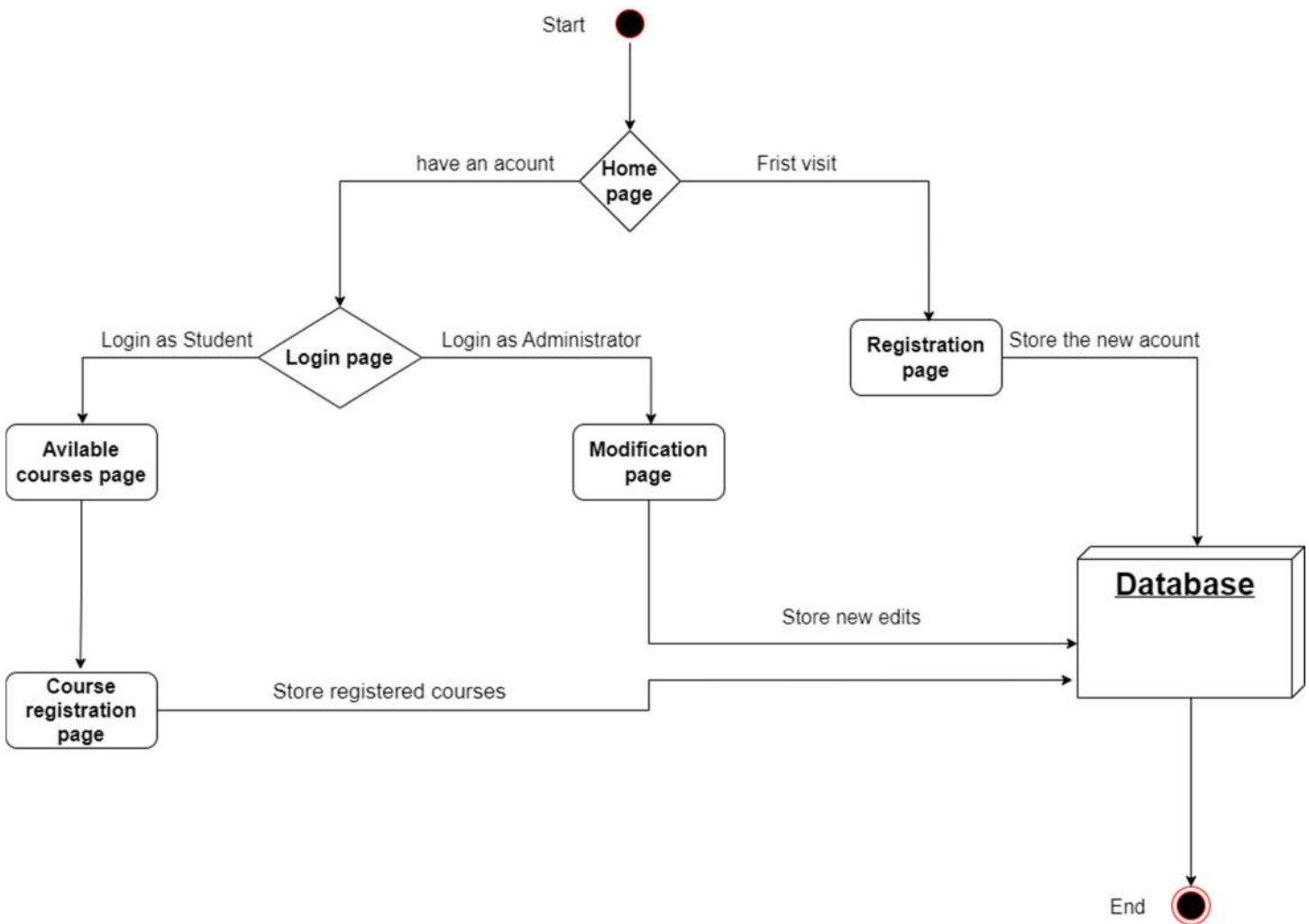
Functional requirements: -

- The student shall be able to register in system by providing name, id, phone, username, password, level, GPA, department, number of courses hours and courses recorded.
- The system shall response to unfilled registration information.
- The system should have two login pages with email and password. The first page is for the administrator and the second page is for the student
- The system must contain a list of courses with the name, code and pre-requisite for each course.
- The student can view the available courses, register a course, and delete a registered course.
- The administrator can view the list of students and the list of courses, and he can modify a course, delete a course, and add a course

Non-Functional requirements: -

- System shall be developed as a desktop application by Java and JavaFX.
- System should be available 24 hour.
- The system must comply with the rules of Menoufia University.
- Student cannot register for more than 18 hours per semester.
- The application shall not depend on any other software.

* System model



*Appendix

Database description :-

Database will be in the form of tables.

The first table will be for the accounts.

The second table will be for the courses, the prerequisite for each course, and the code for each course.

The third table will be for students, and it will contain the student's name and the courses that he registered.

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