

MIS 233-Web Based Application Programming

Project Report Format

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Can Ünalı-2016502180

Introduction

The problem is creating a registration management system. With using MS Access database and ASP.NET, I created a full function registration system.

Tool Description

Software requirements for compiling and executing the program is a browser that is not too old to run.

I used ASP.NET programming language and MS Access database. I used Visual Studio for IDE.

For connect database with new address; in “Global.asax” file there is an Application variable called “database”. You can change address of database by changing this string Application variable. Also, you must change “connectionStrings” address on “web.config” for source of table. It will change all database connections.

For entering to system, you can login admin account and can create professor, student and course or you can use following accounts:

Admin:

ID=admin

Password=123

Student:

ID=2016502180

Password=123

Professor:

ID=1

Password=123

Algorithm / Program Design

I created 3 different user type. Professors, Students and Admins. They have their own login pages and user pages. In database there is 8 different tables. Students, Professors, Admin, Course, Parameters, ConsentRequests, ContentNeeded and Registration. In first 5 table, there is no interesting thing. But if a student wants to add a course to its course list, program will check consent status of course and if there is no need for consent, course will add Registration table with StudentID. If course need a consent, course will add ConsentNeeded table. In Students Page there is a Consent Requests page button. If student click it, he/she can see consent needed courses and can send consent. Sent consents added ConsentRequests table and professors can see and accept or reject them. If professors accept this consent, student can see this course on Consent Requests page and can add to course list. Accepted by professor and added by student courses will add registration table. System parameters keeps on database and when application start, they define some Application variables in "Global.asax".

Conclusion

System is fully working. Students can; add and delete course, send consent and see consents requests. Professors can; accept or reject consent requests, view courses and course lists and submit grade. Admin can; change all password, define students, professors and courses, deactivate and activate users, view students, professors and courses lists, manage system parameters and see all statistics. Also, all users can change their passwords. All connections and queries working well. For ease of testing passwords doesn't encode and in database tables there is no unnecessary properties.

References

-Course Lab Examples for database connections