



**Chaminade
University**
OFFICE OF THE
VICE CHANCELLOR

CIS 490: Senior Project

Syllabus

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Course Description

490: Senior Project (3) Group project to analyze and re-design information system of existing organizations, emphasizing team participation, project management, and communications skills both oral and written (Chaminade Bulletin, 2000-2001)

This courses uses a project to build a database system for the Hawaii Chapter of the Special Olympics to achieve the course's objects.

Course Objectives

The course is designed for the students to:

Practice developing a database for a moderately complex system

- by analyzing requirements
- by designing a relational database system to match the problem at hand
- by implementing queries and reports to satisfy the requirements

To practice communicating with the customer in gathering information, specifying their needs, and explaining the system design and its usage

To practice converting a part of the system on a network so that the the system can be manipulated on the Web
Learn to work in a team during the development of the system

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Project Description

The Hawaii chapter of the Special Olympics is in need of a database system that can keep track of various aspects of its activities. This project requires that you collect and analyze system requirements, design a relational database, and implement a working version of the database. Although your team consists of the two of you in this project at this time, it has a potential for involving several students as it is expanded and modified in the future. The project should offer you opportunities to practice techniques in systems analysis, database design and implementation, and communications with users of the proposed system.

The project is described more completely in the [Special Olympics](#) Protect document.

Database Design

Refer to Special OlympicsProject for a more detailed description of the project.

Project Phases

The project involves the following phases. (Cf. Special Olympics Project.)

	Deliverable	Description
requirements analysis for the Special Olympics System	list of requirements	Overall description what the system is to accomplish • List of queries • List of other DB operations • (3 = 5 pages) • list of tables, attributes, & relationships
design of Athletics database (tables, attributes, & relationships)		
Creation & testing of Access queries, using sample data		Access queries from requirements analysis
4. Development & testing of Access reports		All Access reports from requirements analysis
5. Development & testing of Access forms	B) Final database design	Access forms for 3 queries
6. Merging of two databases		• Merging tables from first to second database (both of same structure)
7. Development of ASP pages for selected operations	C) ASP pages	• ASP pages to enable, via browser: 3 queries; 2 record insertions ; 2 record modifications
8. Merging database and ASP page to server and testing the	Final report and completed database system on the Web	Summary report of project (3 - 5 pages) • Complete project (Access db on



testing the
system

(Access db on
diskette and
working ASP
system)

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Grading

The emphasis in this course is the quality and the completeness of the project--project specification, design, and implementation--as well as team work in the project development. You will be graded as a team, in all elements of the grading listed below.

Grading will be based on:

- a. three preliminary reports, including timeliness (45)
- b. one final report (20)
- c. completeness of the project (20)
- d. satisfaction of the customer (instructor) (15)

Final Report and Exam

At the end of the term you should submit two items:

- . Special Olympics database in Access
- . Final report

Both can be emailed to the following address:
maruyamark [yahoo.com](mailto:maruyamark@yahoo.com) Be sure to include subject title:
CIS490Report.

The final report should be about five pages long, describing the objectives and scope of the project, type of queries and reports included, the design of the database (with possible diagrams and tables), and your evaluation of the results you achieved.

The final exam will be an essay type with questions based on your final report.

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Office Hours

For "quick" questions the email is the simplest way to contact me. Feel free to drop in at my office during **office hours** or to set up an appointments outside those hours. (I am around my office usually in the afternoon.)

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CIS 490: Senior Project Project Schedule

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We will meet at 10:00 a. m on the Wednesday of those weeks which are marked by an asterisk()*.

Wk	Wk Of	Task	Document Due	Date Due
2	9/3*	Customer Interview (Special Olympics)		
3	9/10*	Requirements Analysis		9/14
4	9/17		Requirements List	9/19
5	9/24*	Design of Database		9/28
6	10/1			
7	10/8*	Access Queries		10/12
8	10/15	Access Reports, Access Forms, Merging Databases		
9	10/22*			
10	10/29			
11	11/5*	ASP Pages		11/9
12	11/12	Installation of System on Server		11/16
13	11/19*		Working ASP Pages	11/21
14	11/26	Final Report		11/30
15	12/3*		Final Report	12/5
16	12/10*		Final Exam	12/12