



Florida International University

Summer 2025 Senior Design Project

Information Technology: Tutoring Lab Scheduling

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Mentor: Michael Robinson, Associate Teaching Professor

Instructor/Faculty: Masoud Sadjadi, Florida International University



PROBLEM

Professors often offer extra credit to their students if they attend tutoring sessions.

However, managing and keeping track of tutoring appointments can be an issue without the proper systems and database in place.

REQUIREMENTS

Students should have a simple, user-friendly website where they can make tutoring appointments and see their total tutoring hours. Professors and their TAs should have a way to manage and quickly view students and their hours. A report containing important information should also be readily available.

SYSTEM DESIGN

- All information will be stored in a database; students will be added to the database upon requesting an appointment.
- When an appointment is made, it sends an email to both the student and tutor.
- Students can't make an appointment if: another appointment conflicts with the selected time, it is outside the tutor's working hours, or if the student already has a future appointment.
- Students can cancel appointments and will be allowed to schedule another one if they wish.
- The professor can create accounts for themselves and TAs/tutors. These are called admin accounts.
- Admins can see a list of every student and their tutoring hours for the semester.
- Admins also have access to a simple course, tutor, and professor for student selection when they make an appointment.
- Admins can generate a report containing important info, such as the total tutoring hours, amount of eligible extra credit students, averages, and more for the semester.

IMPLEMENTATION

The website is made using PHP and one central database containing several tables storing important information. It can be tested locally with XAMPP before going live.

Schedule a Tutoring Appointment

Email:

Panther ID:

First Name:

Last Name:

Tutoring Mode:
In-Person ☐ Online ☐

Major:
Computer Science ☐ Business ☐ Engineering ☐ Other

Degree:
Bachelor's ☐ Master's ☐ Other

Professor:
Select a Professor

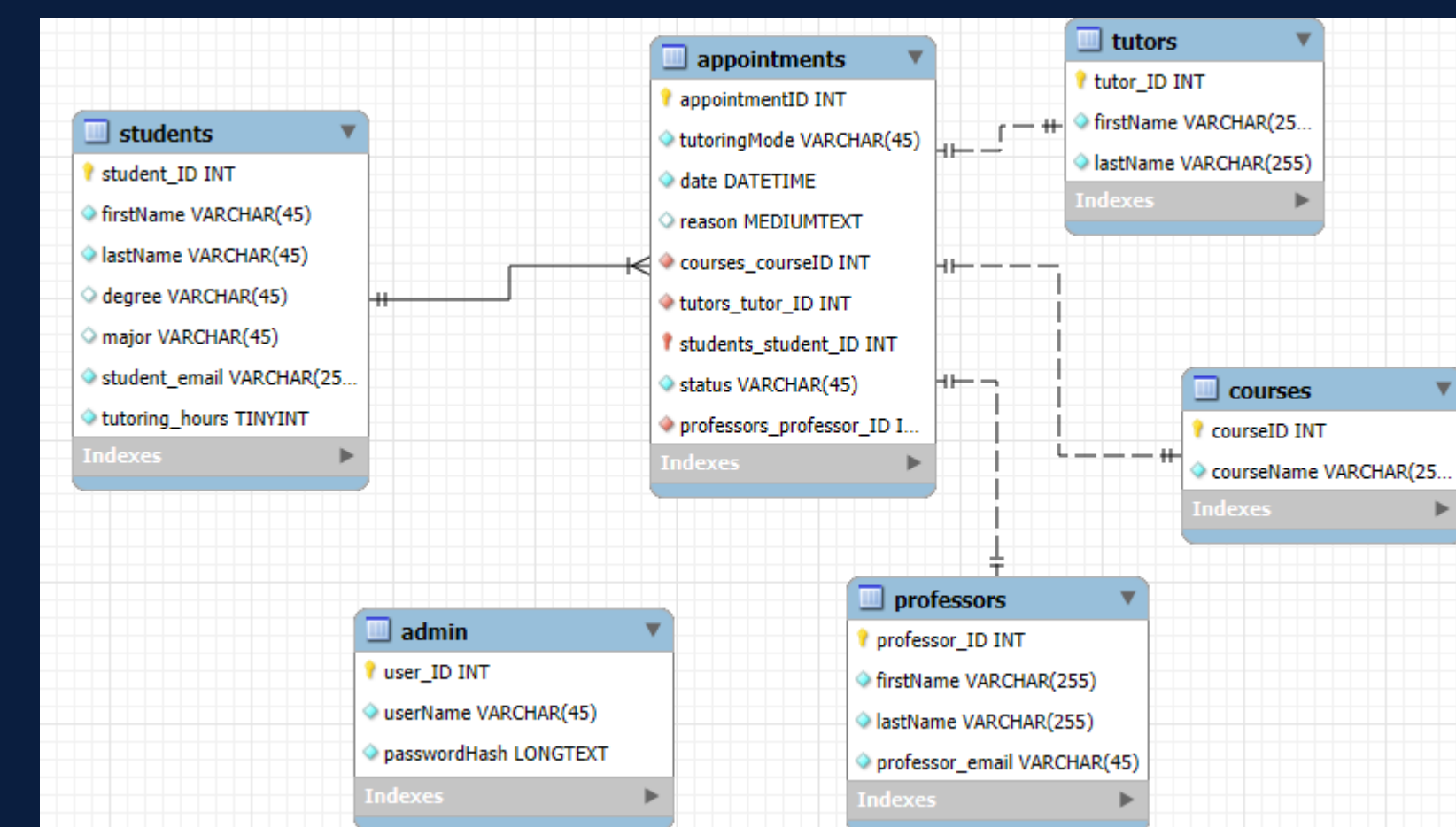
Class Tutoring:
Select a Course

Tutor:
Select a Tutor

Appointment Date:
mm/dd/yyyy

Time:
--:--

Appointment Reason:
Describe what you need help with...



VERIFICATION

- Admin accounts can only be made by the professor to their trusted TAs/tutors.
- Students can only view their hours if they are registered in the database (via making their first appointment).
- Students are required to input their panther ID and email to view their tutoring hours.

Welcome, Mr Admin!

[Logout](#)

Search Students

Student ID:

First Name: Last Name:

Tutoring Hours:
Greater than

Check Your Tutoring Hours

Alice Smith
Tutoring Hours: 3

Your Appointments

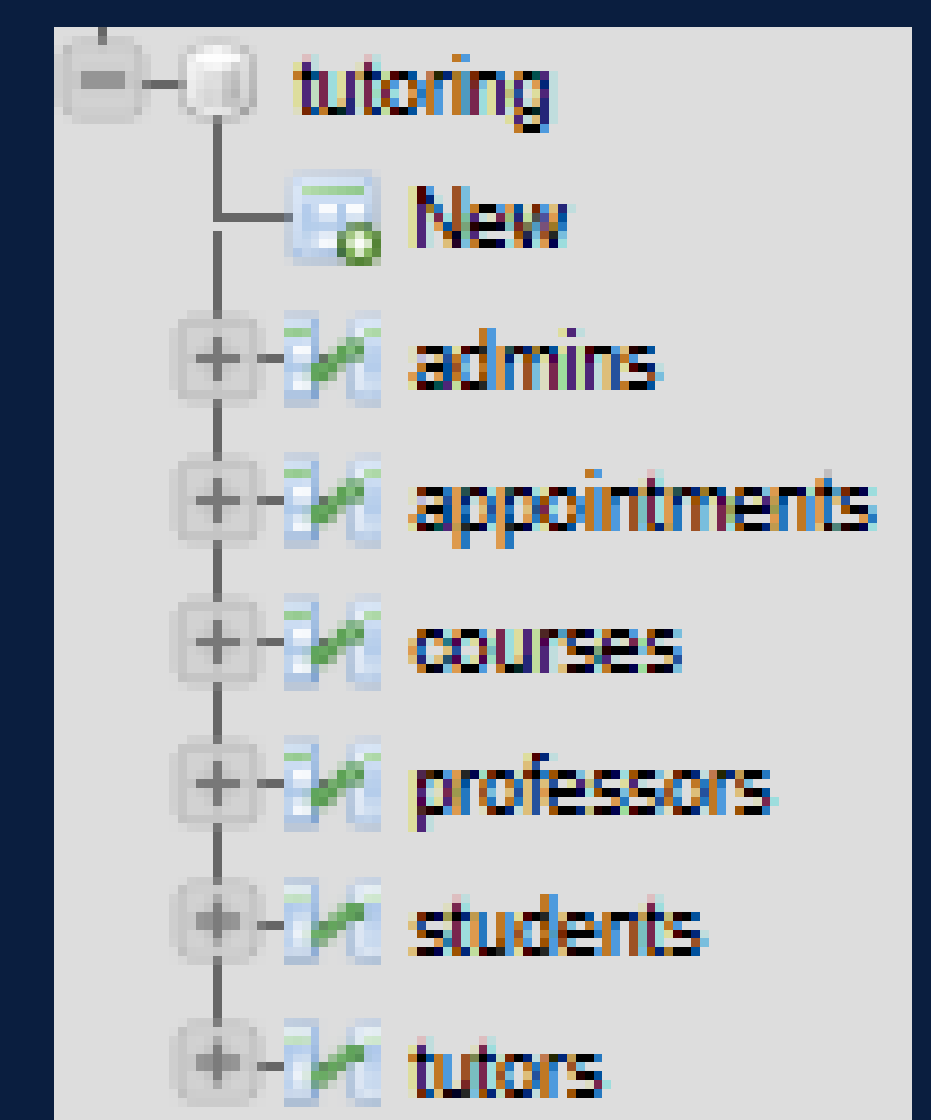
July 31, 2025 a 8:30 AM
Tutor: Bob Smith
Course: COP 2250 - Programming in Java
Mode: In-Person
Reason: g
Status: Cancelled

July 26, 2025 a 8:00 AM
Tutor: Bob Smith
Course: COS 4854 - Website Construction and Management
Mode: In-Person
Reason: tutoring
Status: Cancelled

Summer 2025

Total Tutoring Hours: 75
Total Students Helped (1+ hours): 45
Students Earning Extra Credit (10+ hours): 23
Most Requested Course: Programming in Java (10 requests)

Total Appointments: 81
Average Tutoring Hours per Student: 6.5
Active Tutors: 3
Most Active Tutor: Bob Smith (31 appointments)



SUMMARY

This tutoring website provides a simple, user-friendly solution for professors to easily manage large amounts of tutoring information.

For students, it provides an easy way to make appointments with tutors.