

CS 340

Client/Server Development



Southern
New Hampshire
University



Course Description

Students will learn how to apply database systems concepts and principles to develop client/server applications that interface client-side code with databases.

Competency Projects

The course goals are communicated through three competency statements instead of through course outcomes. Competencies represent the knowledge and skills relevant to your field. Additionally, there is not a single final project like you may have seen in other courses. Instead, there are two projects tied to the competencies. Still, the amount of material covered, the level of difficulty, and the workload expectations are all typical of a 300-level course.

Project One (Module Five submission)

In Project One, you will work to create a database for your client, Grazioso Salvare. You will also create a CRUD Python module that will enable your database to connect to client-side code.

In this project, you will demonstrate your mastery of the following competencies:

- Apply database systems concepts and principles in the development of a client/server application
- Create a database that can interface with client-side code

Project Two (Module Seven submission)

In Project Two, you will continue your work for Grazioso Salvare. You will complete the application by creating a dashboard to help Grazioso Salvare visualize the data and easily search for different rescue animals.

In this project, you will demonstrate your mastery of the following competencies:

- Apply database systems concepts and principles in the development of a client/server application
- Develop client-side code that interfaces with databases

1

2

3

4

5

6

7

8

Weeks



Southern
New Hampshire
University