University Database

Database Systems and SQL

CSCI-2215-01/6622-01

Analytical Control



University of New Haven

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Submitted to:

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Team Roles

* Hugh-John Dunkley

Team Leader, coordinator, researcher, designer

* Rogan Gopi

Developer, Graphical User interface designer

* Grace Mandada

Graphical user interface connector and researcher

* Samuel Mandada

Graphical user interface connector and researcher

* Bhargavi Gottumukkula

Database manager

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Introduction

We are Analytical Control. Throughout the semester, we were tasked in creating a database system for almost anything we could imagine. Our group came up with a database system for university school system. The database would store the name, school id, phone number, course numbers, department and the students advisor for a student account. For a faculty account, the name, department, email, staff id and social security number will be stored. For the department, the department name, id and email will be stored. Finally we stored the course time, course id, course name, course term and course faculty for course account. In the final weeks of the semester, we were tasked with creating a graphical user interface to go along with our database. This would allow a user to add their information for their given field. We could use any programming language we wanted to connect our graphical user interface to our database and our group decided to use python as our designated programming language.

We ran into many problems working on trying to connect our python code to our database, but Rogan Gopi, our main developer was able to connect the python code as well as create the graphical user interface for our project. Grace and Samuel Mandada were critical in researching and coming up with ideas for our graphical user interface as well as our database. Bhargavi Gottumukkula helped in the connecting the database with the Python code. Hugh-John Dunkley helped in researching for the graphical user interface as well as assisting Rogan with the creation of our project.

For our group, we had many obstacles in connecting and trying to figure out what we were doing wrong, but in the end, our team prevailed and were we able to create our university database!

GitHub Link

https://github.com/Hjdunk/Analytical-Control-Database.git

Entity Relationship Model

Diagram, engineering drawing

Description automatically generated

Graphical User Interface

Graphical user interface

Description automatically generatedGraphical user interface, application

Description automatically generatedGraphical user interface

Description automatically generatedGraphical user interface

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