Lee Paolucci, Alex Tuttle, Mitchell Ruple

Term Project

Database Management

Dr. Cheng

Final Report- Zippys Room Search

Implementation for Zippys Rooms includes a front end of HTML and CSS plus the server scripting language of PHP and the back end of mySQL and Python. Our web page allows users to reserve a room, delete a room, update a reservation, and display available rooms. Our advance functions we included in our project is the search function which searches through the grabbed data from myAkron’s website and displays to the users all the classroom times that are booked. Another advance function we included is the login interface for the user, imitating if a user were to put in their Akron login. Our Python package Selenium inputs the time into the myAkron’s class search page and runs twice for Monday, Wednesday, Friday and then Tuesday, Thursday. The search result are then inputted into our database for the user to access those times.

The contributions done to the project was Lee handled all the python package and Alex/Mitch on the rest. Alex handled mostly the front end with web development while Mitch was learning because he has never experienced any other language except C++ and Alex had prior exposure to HTML and CSS. For being new to other languages, we all experienced the challenge of adapting to the language environment.