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# LAB-4

# Introduction

In this lab, we have implemented reservation system again but with MySQL database this time. Login authentication is required from the staff and reservations are stored in a table in the database and new reservations are made available to the customer after checking the available time in the database.

# Approch

I have used MySQLdb in Python to connect to MySQL database. After the connection is made, the user is asked to provide username and password. If the user is authenticated, he can access the database and make reservations otherwise he cannot access database. Other users can book table, if availabe, anonunously.

# How to run

There are two files, one is reservation which contains the methods for customenr and checking the validity of the timing required by the customer. The db file connects to database and enters and retrieve data from the database. And test file contains cases which are used to to check if the code is working appropriately.

# Link to Git repo

https://github.com/mrymb/Software-Construction-labs