Test cases for add librarian

Precondition: connect database and reach librarian table

To add a librarian, there are a few fields cannot be empty. (id, name, password, email, address, city, contact information)

Valid input: all the fields are defined properly

Valid output: record insert successfully

Invalid input: one of the fields is missing

Invalid output: one of the fields is missing

Test case 1

Input: id=11, name=”wangwu”,password=”1234”,email=”w25@gmail.com”, address=”222 riverside ave”,city=”windsor”,contact=”1234566”

Valid output: add new librarian successfully

Test case 2

Input: name=”wangwu”,password=”1234”,email=”w25@gmail.com”, address=”222 riverside ave”,city=”windsor”,contact=”1234566”

Output: id missing

Test case 3

Input: id=11, password=”1234”,email=”w25@gmail.com”, address=”222 riverside ave”,city=”windsor”,contact=”1234566”

Output: name missing

Test case 4

Input: id=11, name=”wangwu02”,password=”1234”,email=”w25@gmail.com”, address=”222 riverside ave”,city=”windsor”,contact=”1234566”

Output: duplicated id

Test cases for view librarian

Precondition: connect database successfully

Valid Input: send request to get data from database

Valid Output: data from the table or null when there is no data.

Invalid output: connect to data base fail

Test case 1

When user select view, there are records from the database. Return with correct fields values

Test case 2

When view, there is no data in the table, return null

Test case 3

When view, lost connection to the database