Input Data Types
- Table: string
- Where: string
- Email: string
- ClassID: integer
- Schedule: integer[60]
- Password: string
- Name: string

- checkExists(table, where)
  - True if yes, false if no
- getSchedules
  - getStudentSchedules(classiD)
    - Array on success, -1 on failure
  - getTeacherSchedules(classID)
    - Array on success, -1 on failure
- getUserSchedule(email)
  - Schedule array on success, -1 on failure
- getClassSchedule(classID)
  - Schedule array on success, -1 on failure
- getClassOfficeHours(classID)
  - Schedule array on success, -1 on failure
- setSchedule
  - setUserSchedule(email, schedule)
    - 0 if target exists, -1 on failure
  - setClassSchedule(classID, schedule)
    - 0 if target exists, -1 on failure
  - setClassOfficeHours(classID, schedule)
    - 0 if target exists, -1 on failure
- addUser(email, password)
  - 0 on success, -1 if user already exists
- setUserName(email, name)
  - 0 on success, -1 if user doesn't exist
- addClass(classID, name)
  - 0 on success, -1 if class already exists
- setClassName(classID, name)
  - 0 on success, -1 if class doesn't exist
- getUserName(email)
  - String on success, -1 on failure
- getUserDetails(email)
  - Array of email, name, and schedule on success, -1 on failure
- getClassName(classID)
  - String on success, -1 on failure

- getClassDetails(classID)
  - Array of classID, name, class hours schedule, and office hours schedule on success, -1 on failure
- deleteUser(email)
  - 0 on success, -1 if user doesn't exist
- deleteClass(classID)
  - 0 on success, -1 if class doesn't exist
- joinClass(email, classID, role)
  - 0 on success, -1 if class or user doesn't exist
- leaveClass(email, classID)
  - 0 on success, -1 if userClasses entry doesn't exist
- changeMemberRole(email, classID, role)
  - 0 on success, -1 if userClasses entry doesn't exist
- getUserClasses(email)
  - Array of (classID, role) of the user on success, -1 on failure
- getClassMembers(classID)
  - Array of (email, role) of the class members on success, -1 on failure