Team 12
ISTE 330 01
Project API Definition

LoginHandler:
- login(userEmail, userPassword)
  - Parameters: String UserEmail, String UserPassword
  - Return Type: Boolean
  - Description: User enters their email address and password. This function checks to see if the entered information exists in the database and returns true if the information is valid, and false if not.
- logout()
  - Parameters: None
  - Return Type: Void
  - Description: Destroys the session and clears session variable to log user out.

TrainerAccess:
- getTrainers()
  - Parameters: None
  - Return Type: Array
  - Description: Returns an array of all users and user information for those that have the role of trainer.

ExerciseAccess:
- getAllExercises()
  - Parameters: None
  - Return Type: Array
  - Description: Returns an array of all exercise and exercise information.
- getAreas()
  - Parameters: None
  - Return Type: Array
  - Description: Returns an array of all areas.
- getExercisesByArea(exerArea)
  - Parameters: Integer exerArea
  - Return Type: Array
  - Description: Takes in the integer code for a specific area, and returns all exercises that involve that area.
- getExercisesByMuscle(exerMuscle)
  - Parameters: Integer exerMuscle
  - Return Type: Array
  - Description: Takes in the integer code for a specific muscle, and returns all exercises that involve that muscle.

- getExercise(exerID)
  - Parameters: Integer exerID
  - Return Type: Array
  - Description: Takes the integer ID of an exercise and returns all information for that exercise.

AdminAccess:

- getUsers()
  - Parameters: None
  - Return Type: Array
  - Description: Returns all users and user information.
- editUser(userID, userName, userPassword, userEmail, userType)
  - Parameters: Integer userID, String userName, String userPassword, String userEmail, Integer userType
  - Return Type: None
  - Description: Takes all fields for a user and updates the record in the database.
- createUser(userName, userPassword, userEmail, userType)
  - Parameters: String userName, String userPassword, String userEmail, Integer userType
  - Return Type: None
  - Description: Takes all fields for a user and adds the record to the database.
- deleteUser(userID)
  - Parameters: Integer userID
  - Return Type: None
  - Description: Takes userID and deletes the record from the database.
- editExercise(exerID, exerName, exerArea, exerMuscle, exerDecription, exerInstructions)
  - Parameters: Integer exerID, String exerName, Integer exerArea, Integer exerMuscle, String exerDescription, String exerInstructions
  - Return Type: None
  - Description: Takes all fields for an exercise and updates the record in the database.
- createExercise(exerName, exerArea, exerMuscle, exerDescription, exerInstructions)
  - Parameters: String exerName, Integer exerArea, Integer exerMuscle, String exerDescription, String exerInstructions
  - Return Type: None
  - Description: Takes all fields for an exercise and adds the record to the database.
- deleteExercise(exerID)
  - Parameters: Integer exerID
  - Return Type: None
  - Description: Takes exerID and deletes the record from the database.