

Labman APIs

API: /equipments/search

- Method: GET
- Description: Search for equipments by name.
- Parameters:
 - query (string, required): The search query.
- Response:
 - equipments (array): An array of equipment objects that match the search query.
 - equipment object:
 - type_id (integer): The unique identifier of the equipment.
 - type_name (string): The name of the equipment.
 - total_amount (integer): The total number of number of the equipment.
 - available_amount (integer): The number of available number of the equipment.

API: /equipments

- Method: GET
- Description: Get list of all equipment.
- Response:
 - equipment object:
 - type_id (integer): The unique identifier of the equipment.
 - type_name (string): The name of the equipment.
 - total_amount (integer): The total number of the equipment.
 - available_amount (integer): The number of available number of the equipment.

API: /action/borrow

- Method: GET
- Description: Get list of all requests.
- Parameters:
 - query (string, required): The search query.
- Response:
 - request object:

API: /action/borrow/{status}

- Method: GET
- Description: Get list of the certain view(different status) of requests.
- Parameters:
 - query (string, required): The search query.
- Response:
 - request object:

API: /action/borrow

- Method: POST

- Description: create a borrowing request and insert an action log to the eqpmt log table.
- Parameters:
 - student_id (integer, required): The ID of the user who is borrowing the equipment.
 - type_id (integer, required): The ID of the equipment to borrow.
 - borrow_amount(integer, required):
 - return_date(datetime,required): The due date of the return.
- Response:
 - message (string): A message indicating whether the borrowing was successful or not.

API: /action/pick/{id}

- Method: POST
- Description: change the status of the borrowing request to be picked, and insert an action log into the eqpmt log table.
- Parameters:
 - id (integer, required): The ID of the borrowing request.
- Response:
 - message (string): A message indicating whether the returning was successful or not.

API: /action/deny/{id}

- Method: POST
- Description: change the status of the borrowing request to be denied.and insert an action log into the eqpmt log table.
- Parameters:
 - id (integer, required): The ID of the borrowing request.
- Response:
 - message (string): A message indicating whether the returning was successful or not.

API: /action/return/{id}

- Method: POST
- Description: change the status of the borrowing request to be returned,and insert an action log into the eqpmt log table.
- Parameters:
 - id (integer, required): The ID of the borrowing request.
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- Response:
 - message (string): A message indicating whether the returning was successful or not.

API: /users

- Method: GET
- Description: Get list of all users.
- Response:
 - user object:

- user_id (integer): The unique identifier of the user.
- user_name (string): The name of the user.
- email (string): The email of the user.

API: /users

- Method: POST
- Description: Create a new user.
- Parameters:
 - user_name (string, required): The name of the user.
 - email (string, required): The email of the user.
 - password(string): set default password from lab manager
- Response:
 - user object:
 - user_id (integer): The unique identifier of the created user.
 - user_name (string): The student id.
 - email (string): The email of the user.

API: /users/{user_name}

- Method: GET
- Description: Get a user by user_name.
- Parameters:
 - user_name (string, required): The ID of the user to get.
- Response:
 - user object:
 - user_id (integer): The unique identifier of the user.
 - user_name (string): The name of the user.
 - email (string): The email of the user.