SWENG 411 Raise Tracker Project

API Documentation

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[**Training status 3**](#_wt10s22yw69j)

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# Employees

## GET /GetEmployees

* Description: Fetch employees with optional filters.
* Query Parameters:
  + \_id, employee\_name, hire\_date, email, phone\_number, job\_title, active
* Responses:
  + 200 OK: List of employees
  + 400 Bad Request: Invalid ObjectId or date format
  + 500 Internal Server Error

## POST /SubmitEmployees

* Description: Add a new employee.
* Body Parameters:
  + employee\_name, hire\_date, job\_title, active, type, trained, qualification
* Responses:
  + 201 Created: Employee added
  + 500 Internal Server Error

## PUT /UpdateEmployees/:id

* Description: Update an employee by ID.
* Path Parameters:
  + id: MongoDB ObjectId
* Body Parameters: Same as POST
* Responses:
  + 200 OK: Employee updated
  + 500 Internal Server Error

## DELETE /DeleteEmployees/:id

* Description: Delete an employee by ID.
* Path Parameters:
  + id: MongoDB ObjectId
* Responses:
  + 200 OK: Employee deleted
  + 404 Not Found: Employee not found
  + 500 Internal Server Error

# Performance Ratings

## GET /GetPerformanceRatings

* Description: Fetch performance ratings with optional filters.
* Query Parameters:
  + \_id, employee\_id, review\_date, rating
* Responses:
  + 200 OK: List of performance records
  + 400 Bad Request: Invalid format
  + 500 Internal Server Error

## POST /SubmitPerformance

* Description: Submit a new performance rating.
* Body Parameters:
  + employee\_id, review\_date, rating (1–5)
* Responses:
  + 201 Created: Record created
  + 400 Bad Request: Missing or invalid fields
  + 500 Internal Server Error

## PUT /UpdatePerformance/:id

* Description: Update a performance rating.
* Path Parameters:
  + id: MongoDB ObjectId
* Body Parameters:
  + employee\_id, review\_date, rating (1–100)
* Responses:
  + 200 OK: Record updated
  + 404 Not Found: Record not found
  + 500 Internal Server Error

## DELETE /DeletePerformance/:id

* Description: Delete a performance rating.
* Path Parameters:
  + id: MongoDB ObjectId
* Responses:
  + 200 OK: Record deleted
  + 404 Not Found: Record not found
  + 500 Internal Server Error

# Training status

This is a unique collection in our database that contains embedded records within the records. These act as containers for employees and their status/progress in the training. The main data is data pertaining to the training course/certification/etc. And the sub-records are the employees that attended this specific training and what their status is in the training.

## GET /GetTrainingStatus

* Description: Retrieve training status records with optional filters.
* Query Parameters:
  + employee\_id: MongoDB ObjectId
  + name: Partial match (case-insensitive)
* Responses:
  + 200 OK: List of training records
  + 400 Bad Request: Invalid query format
  + 500 Internal Server Error

## POST /AddTrainingStatus

* Description: Add a new training status record.
* Body Parameters:
  + name (string, required)
  + type (string, required)
  + duration (number, required)
  + duration\_type (string, required)
  + start\_date (date string, required)
  + required (boolean, required)
* Responses:
  + 201 Created: Record added successfully
  + 400 Bad Request: Missing required fields
  + 500 Internal Server Error

## PUT /UpdateTrainingStatus/:id

* Description: Update an existing training status record.
* Path Parameters:
  + id: MongoDB ObjectId
* Body Parameters:
  + Any fields to update (e.g., name, type, duration, etc.)
* Responses:
  + 200 OK: Record updated
  + 400 Bad Request: Invalid ObjectId
  + 404 Not Found: Record not found or unchanged
  + 500 Internal Server Error

## DELETE /DeleteTrainingStatus/:id

* Description: Delete a training status record.
* Path Parameters:
  + id: MongoDB ObjectId
* Responses:
  + 200 OK: Record deleted
  + 400 Bad Request: Invalid ObjectId
  + 404 Not Found: Record not found
  + 500 Internal Server Error

# Users

## GET /GetUsers

* Description: Fetch users with optional filters.
* Query Parameters:
  + \_id: MongoDB ObjectId
  + username: Partial match (case-insensitive)
  + password: Partial match (case-insensitive)
  + employee\_id: MongoDB ObjectId
* Responses:
  + 200 OK: List of users
  + 400 Bad Request: Invalid ObjectId format
  + 500 Internal Server Error

## POST /RegisterUser

* Description: Register a new user.
* Body Parameters:
  + username (string, required)
  + password (string, required)
  + employee\_id (MongoDB ObjectId, required)
* Responses:
  + 201 Created: User added successfully
  + 400 Bad Request: Missing or invalid fields
  + 500 Internal Server Error

## POST /LoginUser

* Description: Authenticate a user.
* Body Parameters:
  + username (string, required)
  + password (string, required)
* Responses:
  + 200 OK: Login successful
  + 401 Unauthorized: Invalid credentials
  + 400 Bad Request / 500 Internal Server Error

## PUT /UpdateUser

* Description: Update a users information
* Body Parameters:
  + \_id (ObjectID, required)
  + username (string, required)
  + password (string, required)
  + employee\_id (ObjectID, required)
  + settings (object, required)
    - theme (string, required)
    - font\_size (string, required)
* Responses:
  + 200 OK: User updated
  + 500 Internal Server Error

## DELETE /DeleteUsers/:id

* Description: Delete a user by ID.
* Path Parameters:
  + id: MongoDB ObjectId
* Responses:
  + 200 OK: User deleted
  + 404 Not Found: User not found
  + 500 Internal Server Error