1. Create a new employee.

   Description: Creates a new employee. Requires request body with firstName, lastName, role, and salary fields in JSON format. Returns the sent info except the salary and the id field.

   Path: /create_employee

   Headers: Authorization: Bearer <token> // must be a person who can craete

   Method: POST

   Request body: JSON

   ```
   {
      “firstName”: “Hihihi”,
      “lastName”: “Hey”,
      “password”: “123”,
      “role”: “Employee”,
      “salary”: 4000,
   }
   ```

   Responses:

   1. Successfully created

      Request Body: JSON

      ```
      { “firstName”: “Hihihi”,  “lastName”: “Hey”, role”: “Employee”,
                “salary”: 4000, “id”: 34}
      ```

      Status Code: 200 OK

   2. Incorrect Request Body (one example)

      Request Body: JSON {“message”: “Salary is too big”}

      Status Code: 400 Bad Request

2. Read all users' info

   Description: Returns all users in JSON format

   Path: /users

   Headers: Authorization: Bearer <token> needed to gain access to users' passwords and/or salary

   Method: GET

   Requets Query: limit=20 (Shows only the first 20 employees),

   sort_by=salary(Shows the most salary first),

   reverse=true (Reverses the order),

   password=true (See passwords),

   salary=true (Shows salaries),

   default values: limit=none, sort_by=id, reverse=false,

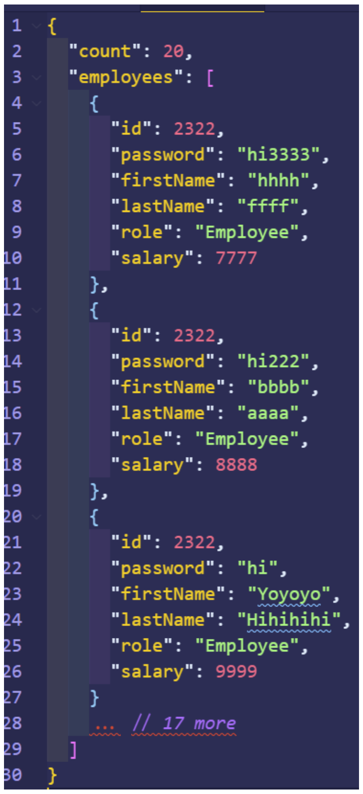
   password=false, salary=false,

   firstName=none, lastName=none, role=all

   Responses

   1. Successful request

      Request Body: JSON



```
{
  "count": 20,
  "employees": [
    {
      "id": 2322,
      "password": "hi3333",
      "firstName": "hhhh",
      "lastName": "ffff",
      "role": "Employee",
      "salary": 7777
    },
    {
      "id": 2322,
      "password": "hi222",
      "firstName": "bbbb",
      "lastName": "aaaa",
      "role": "Employee",
      "salary": 8888
    },
    {
      "id": 2322,
      "password": "hi",
      "firstName": "Yoyoyo",
      "lastName": "Hihihihi",
      "role": "Employee",
      "salary": 9999
    }
    ... // 17 more
  ]
}
```

Status Code: 200 OK

2. Incorrect Request Body (one example)

Request Body: JSON {“message”: “Limit must be > 0”}

Status Code: 400 Bad Request

3. Update employee info

Description: Updates existing user info. Returns the updated user info if successful else returns error message in JSON.

Path: /users/:id/update

Method: PUT

Request Body: JSON

{“password”: “45454545”} // attempting to change password

Request Param: id (the id of the user whose info is going to be changed)

Response Body:

1. Successful

    Request Body: JSON

        { … all fields of this user … }

    Status code: 200 OK

2. Incorrect Request Body

    Request Body: JSON

        {“message”: “New password must contain at least 1 lower character”}

    Status code: 400 Bad Request

4. Delete an employee

   Description: Deletes an employee in the database. Returns deleted user info if successful else returns error message

   Path: /users/:id/delete

   Method: DELETE

   Headers: Authorization: Bearer <token> // token of a person who can delete this

   Request Param: id (the id of the user who is being deleted)

   Response Body:

   1. Successful

       Request Body: JSON

           { … all fields of this recently deleted user … }

       Status code: 200 OK

   2. Incorrect Request Body

       Request Body: JSON

{“message”: “Not valid token to delete this user”}

Status code: 401 Unauthorized

5. Display a specific employee info

   Description: Specifying the first name, last name, or role, show the user’s info whose info matches the given fields.

   Use the same implementation as that of requirement #3 with specifying the queries, firstName=<firstName>&lastName=<lastName>&role=<role>