# HOMEWORK 5

## LOGGING & ERROR HANDLING

### PREREQUISITES:

The task is a continuation of **Homework 4** and should be done in the same repo.

### TASK 5.1

- Add express **middleware** which will log which service method has been invoked and which arguments have been passed to it.

### TASK 5.2

- Add express **middleware** which will log all unhandled errors and return a standard message with **HTTP** code 500 (**Internal Server Error**).

  **Remark:** Do not modify the status code and the message for other errors like validation errors from the previous task.

- Add error handling to `process.on('uncaughtException', ...)`.

- Add **Unhandled promise** rejection listener to log errors.

### TASK 5.3

- Every method in the controllers should log the errors which should include the following information:
  - method name;
  - arguments which have been passed to the method;
  - error message.

## EVALUATION CRITERIA

2. Custom logger based on `console.log` is added instead of **Logger** package.
3. **Task 5.1** is fulfilled to the full extent; logs are written into the console.
4. **Task 5.2** is fulfilled to the full extent; **Winston** (https://github.com/winstonjs/winston) package is used for logging.
5. **Task 5.3** is fulfilled to the full extent.
5*. *Add middleware wrapper functions (or decorators) which will track the methods' execution time.*