



Test Automation Mentoring Program: Advanced

UNIT TESTING. HOME TASK

Tech stack: JavaScript

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TABLE OF CONTENTS

INTRODUCTION 3

MARKS 3

DEADLINE 3

PRECONDITION 3

TASKS 3

 1. UNIT TESTS & MOCKING 3

 TASK 3

 DEFINITION OF DONE 3

 2. MOCKING USING NOCK 4

 DEFINITION OF DONE 4

INTRODUCTION

You will be working with already implemented `UserDataHandler` class.

The scope of this task is to implement unit tests as well as to work with [mocha](#), [proxyquire](#), [sinon](#), [nock](#).

MARKS

Points	Mark	Description
1	0.5	Unsatisfactory
2	1	Unsatisfactory
3	1.5	Unsatisfactory
4	2	Satisfactorily
5	2.5	Satisfactorily
6	3	Satisfactorily
7	3.5	Good
8	4	Good
9	4.5	Excellent
10	5	Excellent

Home task is DONE if more than (\geq) 4 points received.

Mentor can take away points if Mentee's code quality does not meet his/her requirements.

DEADLINE

It's expected that Mentee completes a task in 2 weeks. The deadline can be adjusted in case of:

1. Vacation
2. Illness
3. Business trip
4. Exceptional case

Before adjusting the deadline please notify and confirm with Coordinator about changes.

PRECONDITION

1. Mentee downloads and installs <https://github.com/stranger2626/unit-testing-with-mocks-home-task> home task code.

TASKS

1. UNIT TESTS & MOCKING

Complexity	Points	Necessity
Basic	5	Task is Mandatory

TASK

Implement unit tests to cover requirements to the imported application:

1. Cover `user_data_handler.js` with unit tests
2. Configure [NYC](#) to check unit test coverage just for `user_data_handler.js` file
3. Setup [husky](#) to run unit tests before "git push"

Use [mocha](#), [proxyquire](#), [sinon](#) for this task.

DEFINITION OF DONE

You have `user_data_handler.js` fully covered with unit tests, NYC code coverage report shows 100% coverage.

2. MOCKING USING NOCK

Complexity	Points	Necessity
Basic	5	Task is Mandatory

Repeat the first task, while using [nock](#) instead of [proxyquire](#)

DEFINITION OF DONE

You have user_data_handler.js fully covered with unit tests, NYC code coverage report shows 100% coverage.

Ver.	Description of Change	Author	Date
1.0	Initial Version	Matsvei Murashka	October-2020