

## LAB 7 – JQUERY, AJAX, REST: A FULL EXERCISE

### EXERCISE 1 – IMPLEMENT A COMPLETE TODO LIST MANAGER: DELETE

Extend the “AjaxExercise” branch of the rest server implemented in classroom (you can clone the branch “AjaxExercise” of the following repository: <https://github.com/Aml-2016/python-rest.git><sup>1</sup>), to provide basic support for deleting a task.

Consequently, you should

1. extend the front-end jQuery code to store the ID of each task
2. implement a “deleteTask” function that actually performs the deletion and, then, updates the list of printed tasks.

### EXERCISE 2 – IMPLEMENT A COMPLETE TODO LIST MANAGER: UPDATE

Extend the application developed in the previous exercise to provide basic support for updating a task.

Consequently, you should

1. develop and implement the following additional API method in the REST server implementation:
  - Update the task identified by the given task\_id (an integer number)

**Url:** /api/v1.0/tasks/:task\_id

**Method:** PUT - Update the task identified by the given task\_id (an integer number)

**Example:**

```
{
  "description": "This is an old task that became urgent",
  "urgent": 1
}
```

2. add an “Update” button near the “Delete” one for each printed task
3. implement a “setTextboxForUpdate” function that performs the following operations whenever the “Delete” button is pressed:
  - a. Modify the label “Insert a new task” into “Update the task”
  - b. Load the information related to the selected task in the “inputdescription” textbox and in the “urgent” checkbox
  - c. Change the action and method of the “add-task” form in the ones needed to perform the update

<sup>1</sup>To clone a branch of a repository you can use the following command:

```
git clone <repository-url> -b <branch> --single-branch
```

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4. implement an “updateTask” function that performs the following operations:
  - a. Send the data to the server
  - b. Update the shown list of tasks
  - c. Modify the label “Update the task” into “Insert a new task”
  - d. Empty the “inputdescription” textbox and the “urgent” checkbox
  - e. Reset the action and method of the “add-task” form in the ones needed to perform the insert

<sup>1</sup>To clone a branch of a repository you can use the following command:

```
git clone <repository-url> -b <branch> --single-branch
```