

Course: Javascript Advanced ICT-443

Student: Jorge Monge

Date: 2019-June-13

## **NOTES ABOUT THE PROJECT**

I have used Bootstrap, for a responsive, mobile-first, design, and plain Vanilla JS for the custom behavior.

Here I present some "business rules" that have guided how the project has been designed and implemented:

## **HOME PAGE**

- Home page with 3 buttons: New Task, Hide All, Delete All
- In whatever state of the application, if there are no tasks, the buttons Hide All and Delete All will be disabled.

## **TASK FORM**

- The ORDER number will be pre-populated to the next order.
- The user can alter the order number, but always decreasing the proposed value (in other words, the user cannot introduce gaps in the order values).
- The DUE DATE value will be pre-populated to the current local date.

## **TASK CARDS**

- Scroll bars in NAME and DESCRIPTION (no limit to the length of these fields)
- 2 buttons: EDIT and DELETE:

## **EDIT button**

- Opens the input form, pre-populated with the values of the task.
- User can edit all the values of the task.
- Regarding the editing of "Order #", the user can only edit it to an existing order # (for instance, if we have 10 tasks, with orders 1 to 10, the user can only change the order # to values between 1 and 10). Other solution would create a gap in the list of order values, which is forbidden by the business rule we set up ourselves while designing this app.

## **CONSIDERATIONS ABOUT THE ORDER NUMBER**

- Task orders always start with 1.

- There cannot be gaps in the order numbers. For instance, if we have 5 tasks, the order numbers will be 1 to 5.
- When a task is created with (or edited to, for that matter) a pre-existing order number, these things happen:
  - All tasks with greater order values, will reduce it by 1 (thus "filling" the order gap the edited one has left).
  - The task edited will become the task at the chosen position.
  - All the pre-existing tasks with greater order numbers than the chosen position will have it increased by 1.

Please see below a graphic representation of an example of an edit operation:

