[Computer and Society] | April 24, 2016

ToDoList

[Phase One]

# Code Organization and formatting:

We worked on making the script of the code more organized by taking care of the modularity of the code as we tried as well as we can to build some main methods which can be called for several times during the execution of the code. We took care of the rules of the DOM structure as well as we can also. We used both JQuery 1.10.2 and Bootstrap. We used Datatable plugin in order to facilitate some operations on the tables as search, pagination, showing number of entries, different sorting patterns according to number of clicks of user on the header of the table, child rows to carry some extra details about each task as the description.

The script part contains the main functions of the application and all the functionality, first the functions are defined and implemented, then by using jquery’s selector to listen to the events made by the user, the functionality of the button clicks and actions are determined, also the task class is defined which contains all the information about each specific task that the user added, then these tasks are added to the datatable and their information are displayed.

The options of each task are displayed in the last column of the table in the shape of corresponding icons that the user can click and perform the action on the required task from the table.

Also there is a column that displays the current status of each task in the table.

The overall design of the application is called “united” which can be found on <http://bootswatch.com/united/> and the color chosen is orange.

The HTML part builds the application body which is the left part of the page which contains the main menu that the user can use to display different lists of the tasks: 1) All tasks 2) In Progress 3) Completed tasks 4) Archived tasks.

The name of the current list chosen is displayed in bold on top of the main page and then follows the table which contains the tasks and their information and the operations that can be done on them.

# Work organization between us:

We discussed the main layout of the page, design and how we could add tasks and navigate through different sections in the webpage together.

Ahmed Walid:

Operations on tasks:

1. Editing the tasks.
2. Moving the tasks from one list to another.
3. Deleting the tasks.
4. Validating the input.

Mohamed Tolba:

Operations on tasks:

1. Showing the extra details of the task (Description) in a child row.
2. Sorting the columns by external implemented functions but works on clicking the header row as well as the internally implemented sorting functions in Datatable plugin.

# Main functions:

* sortByname() 🡪 This function sorts the lists according to the name
* sortBydate() 🡪 This function sorts the lists according to the date
* updateSize() 🡪 This function displays the sizes of the lists beside each list in the main menu
* deleteTask() 🡪 This function deletes the task the user wants to delete
* moveComplete() 🡪 This function moves the task from “In progress” to “Completed Tasks”
* moveArchive() 🡪 This function moves the task wanted to “Archived”
* editTask() 🡪 This function is responsible for editing the task and displaying the result
* drawTable() 🡪 This function displays the table on the main page
* childRow() 🡪 This function is responsible for displaying the child row that will contain the description of the task
* task() 🡪 This contains the information of each task