Ministry of Education of Republic of Moldova Technical University of

Moldova Faculty of Computers, Informatics and Microelectronics

Software Engineering Department

Web Programming

Laboratory work #3

To not do app

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1 Task

The app has to cover basic needs:
1. to add to the list;
2. to remove from the list;
3. to mark as not done;
4. to see "not-done" and "to-not-do" lists separately (how?).

The app has to look attractive. You're not allowed to use any third-party library for JS, except utility functions such as `lodash` or `underscore`. `jquery` is not allowed.

2 Results

2.1 Adding to the list

The addition of a new task is done by adding text to the "Task" and "Image URL" fields, then clicking on the "Add" button (figure 1). The date field is a part of the additional feature. It sets the day for which the task is meant. The default value is the current date.

Figure 1. The addition of a task with text and image.

There is also possible to add a task with only text content (figure 2) or with only an image content (figure 3), but not with both empty fields.

Figure 2. The addition of a task only with text.

Figure 3. The addition of a task only with an image.

2.2 Removing from the list

To remove from the list, click on the "remove" button (figure 4), in this case the 3rd item was removed.
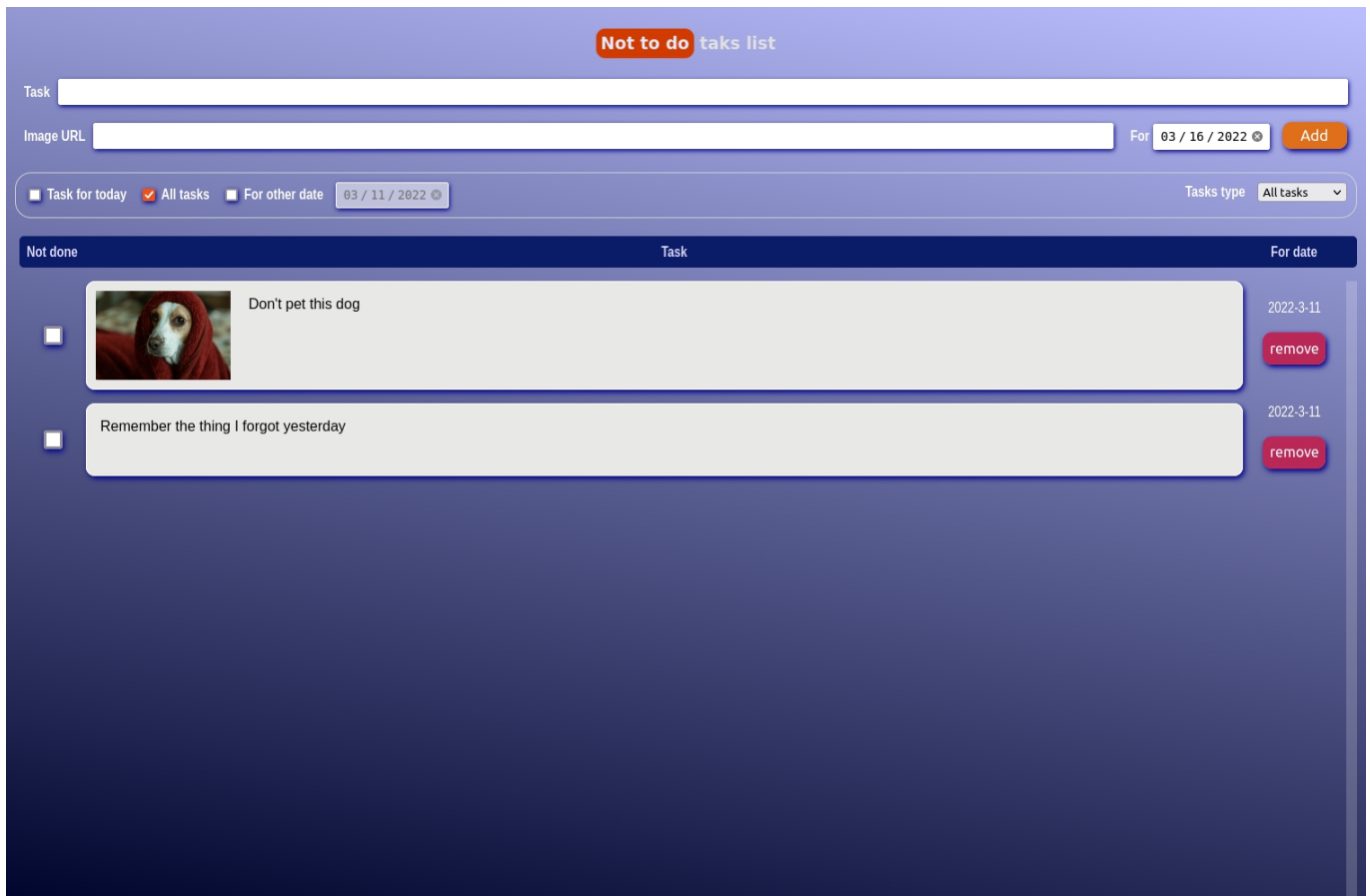

Figure 4. The 3rd item is deleted.
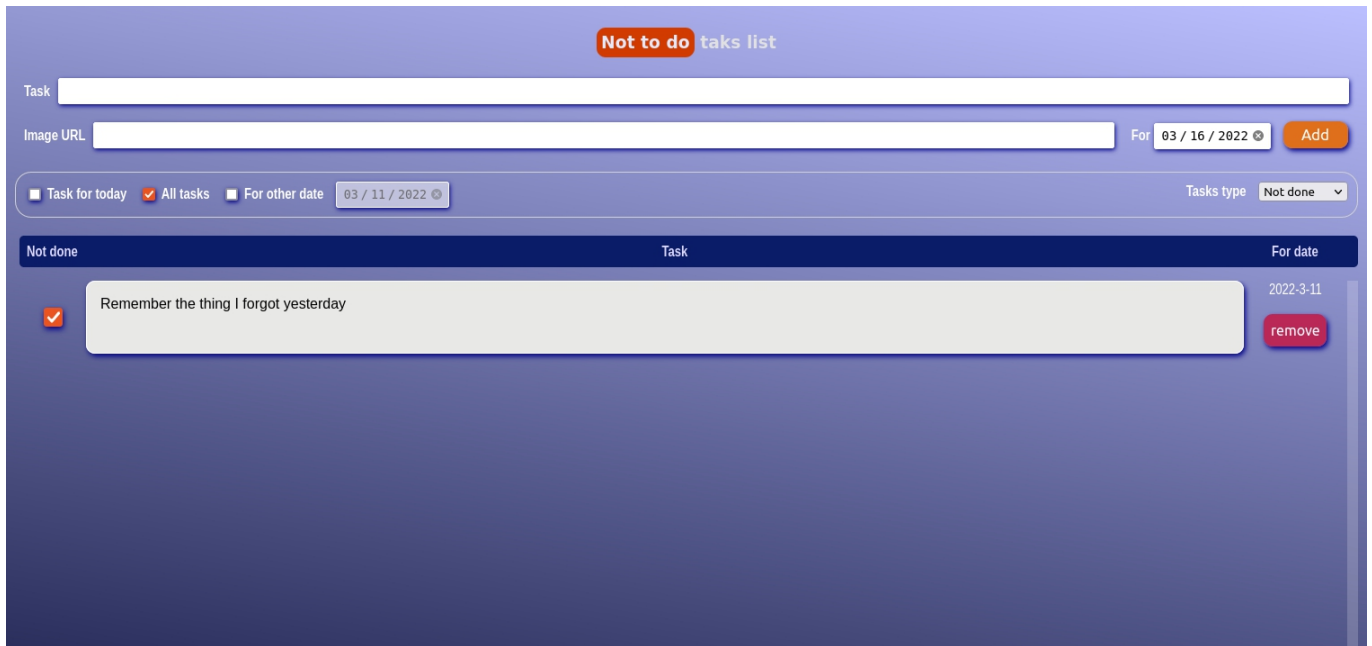
2.3 Marking as "not done"

For marking as "not done", set the checkbox of the item in the checked state (figure 5).

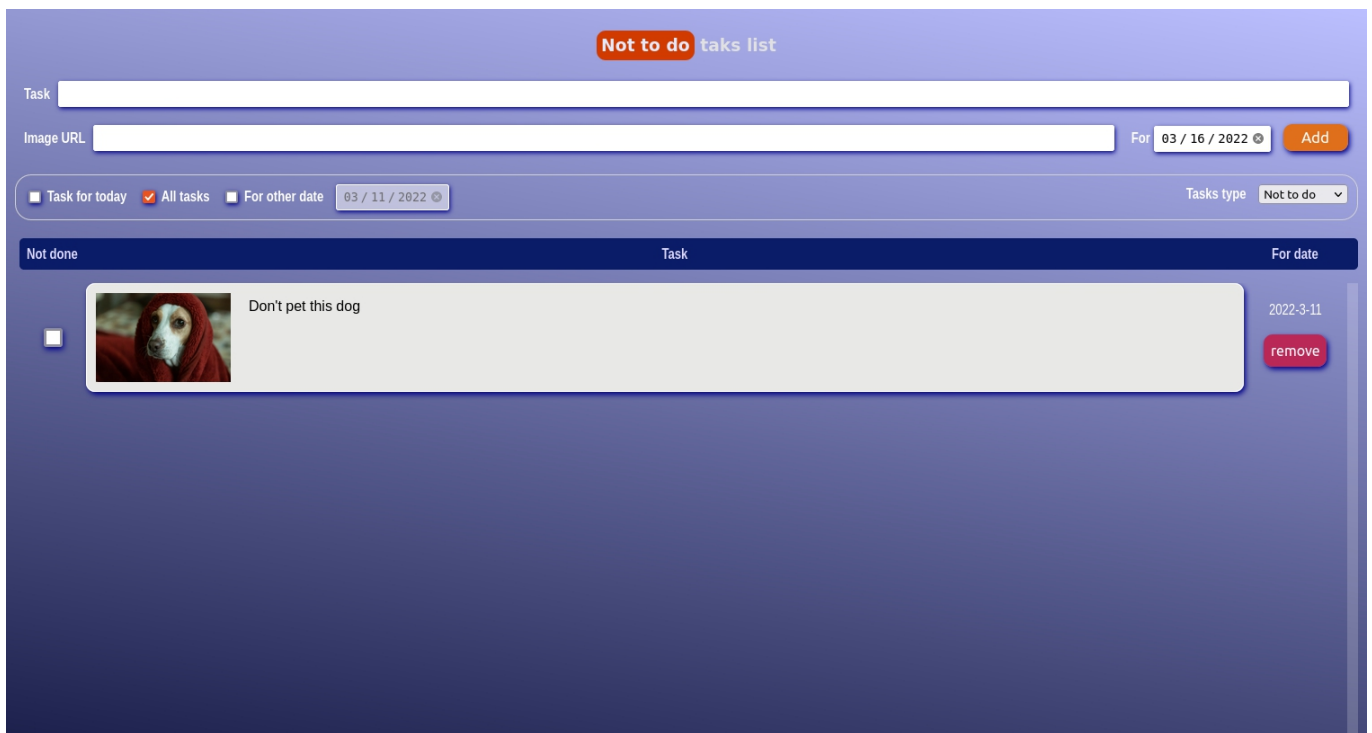Figure 5. The 2nd item was marked as "not done"

2.4 Displaying "not-done" and "to-not-do" lists separately

To see the two list separately, set the "task type" filed to "Not done" (figure 6) and "Not to do" (figure 7) values respectively.

Figure 6. The "Not done" items are filtered in a separate list.

Figure 7. The "Not to do" items are filtered in a separate list.

2.5 Additional feature

As an additional feature I implemented the date for the task when it is meant to be "not done". Also, the items can be filtered by date. The "All tasks" does not apply any date filtering (Figure 8). The "Tasks for today" filters the items meant for today.

Figure 8. Not filtering by date.

Choosing the "Tasks for today" and "For other date", filters the items by the current date (figure 9) or by the selected one (figure 10).
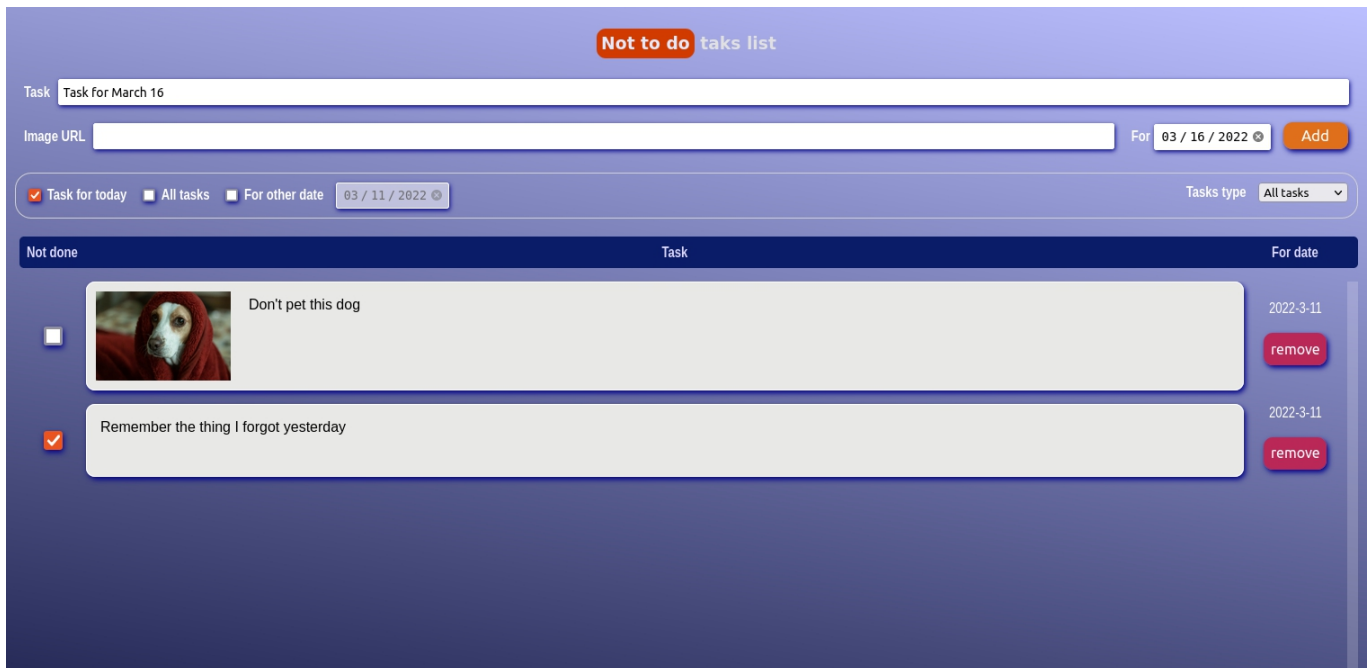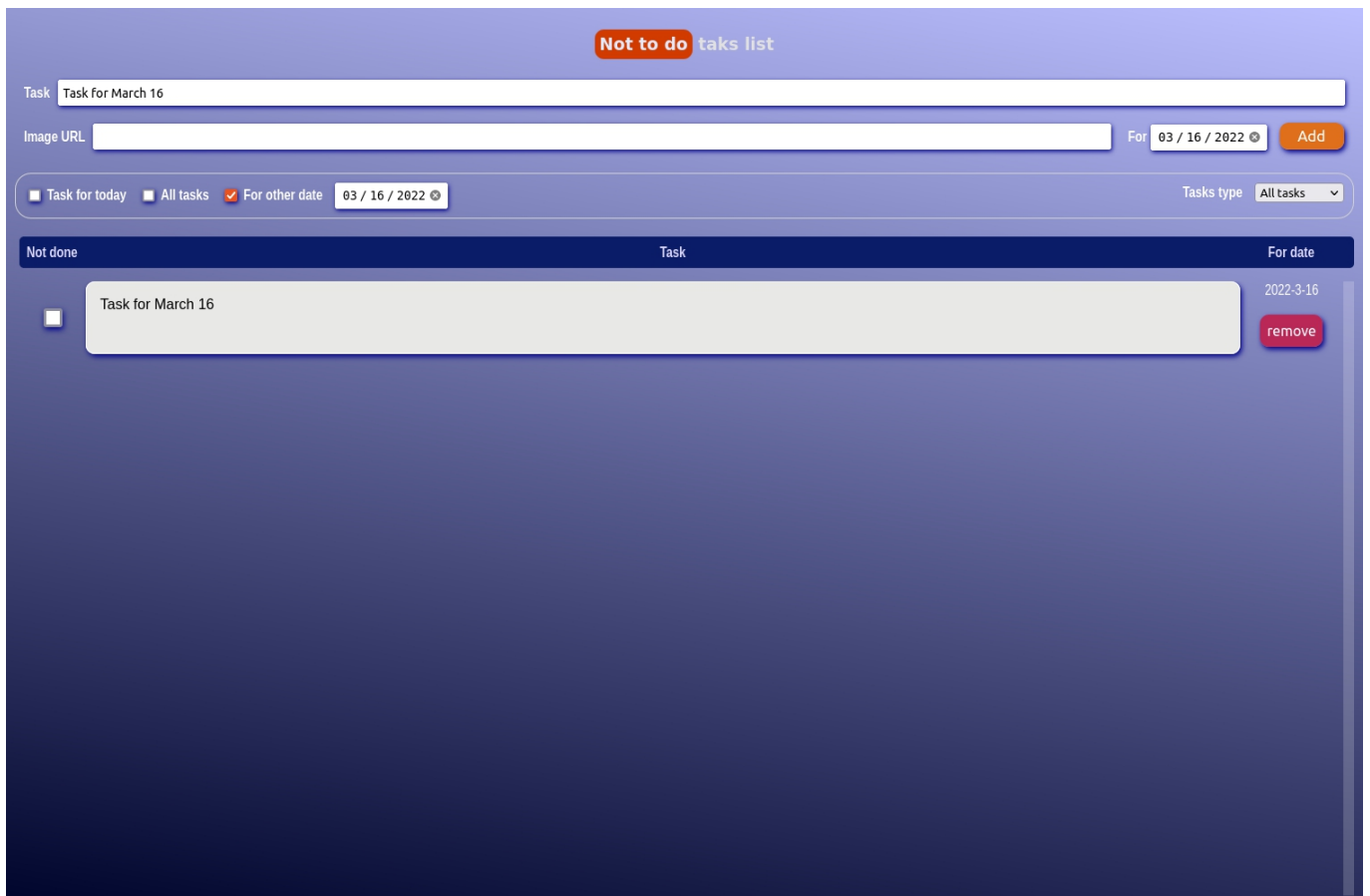

Figure 9. Filtering by current date.

Figure 10. Filtering by selected date.

The list with all the details is preserved after the page refresh.

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3 Conclusion

When implementing the tasks, I've learned how to create classed with usual and static methods in JavaScript, to work with DOM elements (create, change parameters), to execute instructions on events (window load or value change) and to store data in browser using LocalStorage.

References

[1] JavaScript Date Formats, https://www.w3schools.com/js/js_date_formats.asp
    Accessed on March 10, 2022.
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[3] LocalStorage, sessionStorage, *https://javascript.info/localstorage*
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