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TECHNICAL UNIVERSITY OF MOLDOVA  
FACULTY OF COMPUTERS, INFORMATICS AND MICROELECTRONICS  
SOFTWARE ENGINEERING DEPARTMENT

WEB PROGRAMMING

LABORATORY WORK #3

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## TO-NOT-DO APP

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# 1 Task

Your task for this lab is:

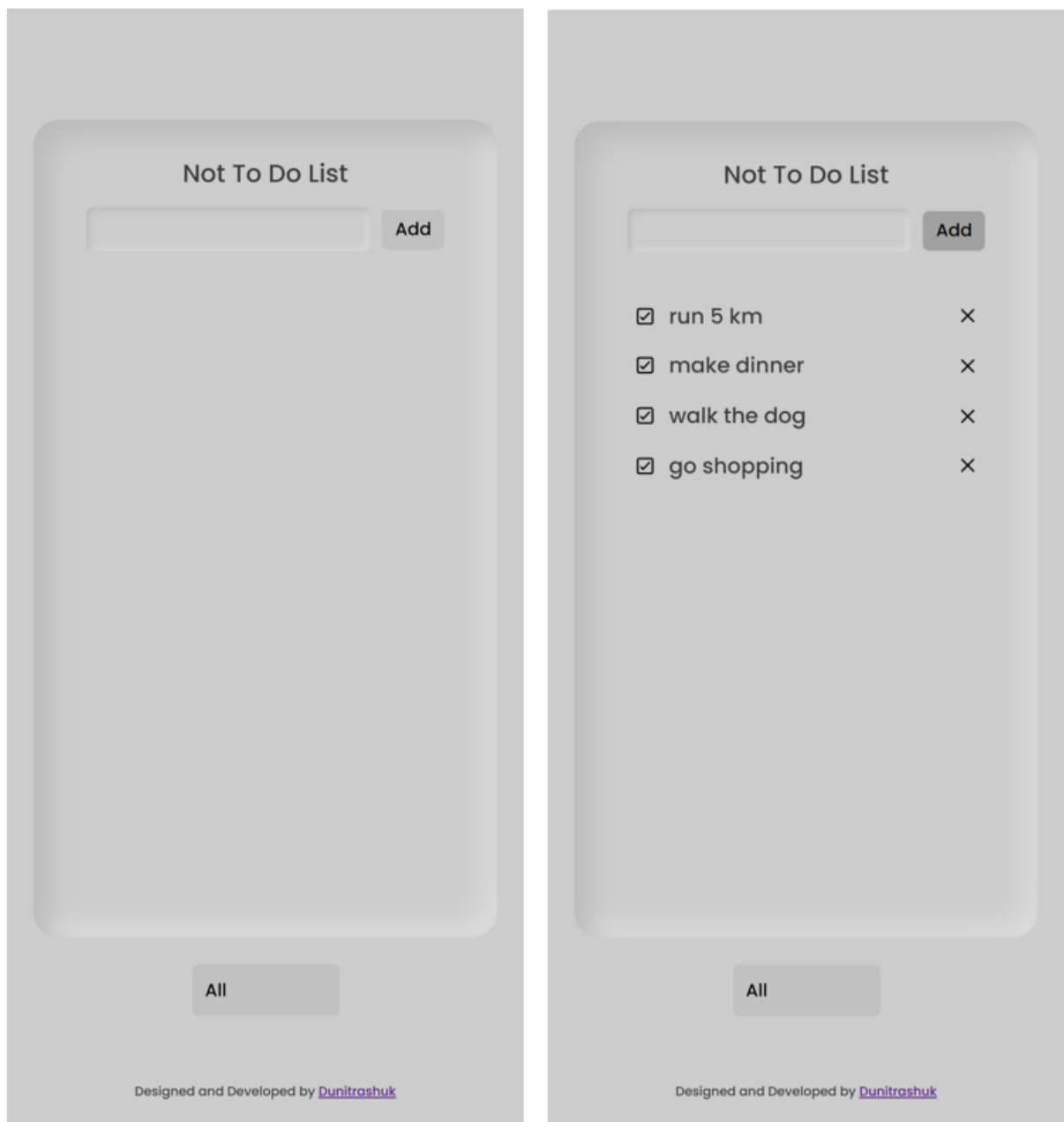
- Copy [index.html](index.html), [style.css](style.css) and [app.js](app.js) to your repo;
- Modify them to build an application for to-not-do list;
- The app has to cover basic needs:
  - to add to the list;
  - to remove from the list;
  - to mark as not done;
  - see "not-done" and "to-not-do" lists separately (how?).
- The app has to look attractive.

## 2 Results

I developed this laboratory work using HTML, CSS and JavaScript. I did not use any JS library only the DOM. To complete the laboratory work I defined the structure of the application in HTML, I used the following tags: labels, input, select, option, div, img etc. After that I designed the app with CSS and then started to implement the logic in JS. I split the program structure in three main parts: the selectors, then the events and lastly the functions.

I implemented all the basic logic for the app: to add to the list, to remove, to mark as not done, and to filter the list based on checked or unchecked. Also I implemented a functionality for web storage which saves the list and if you refresh the page the list is not modified.

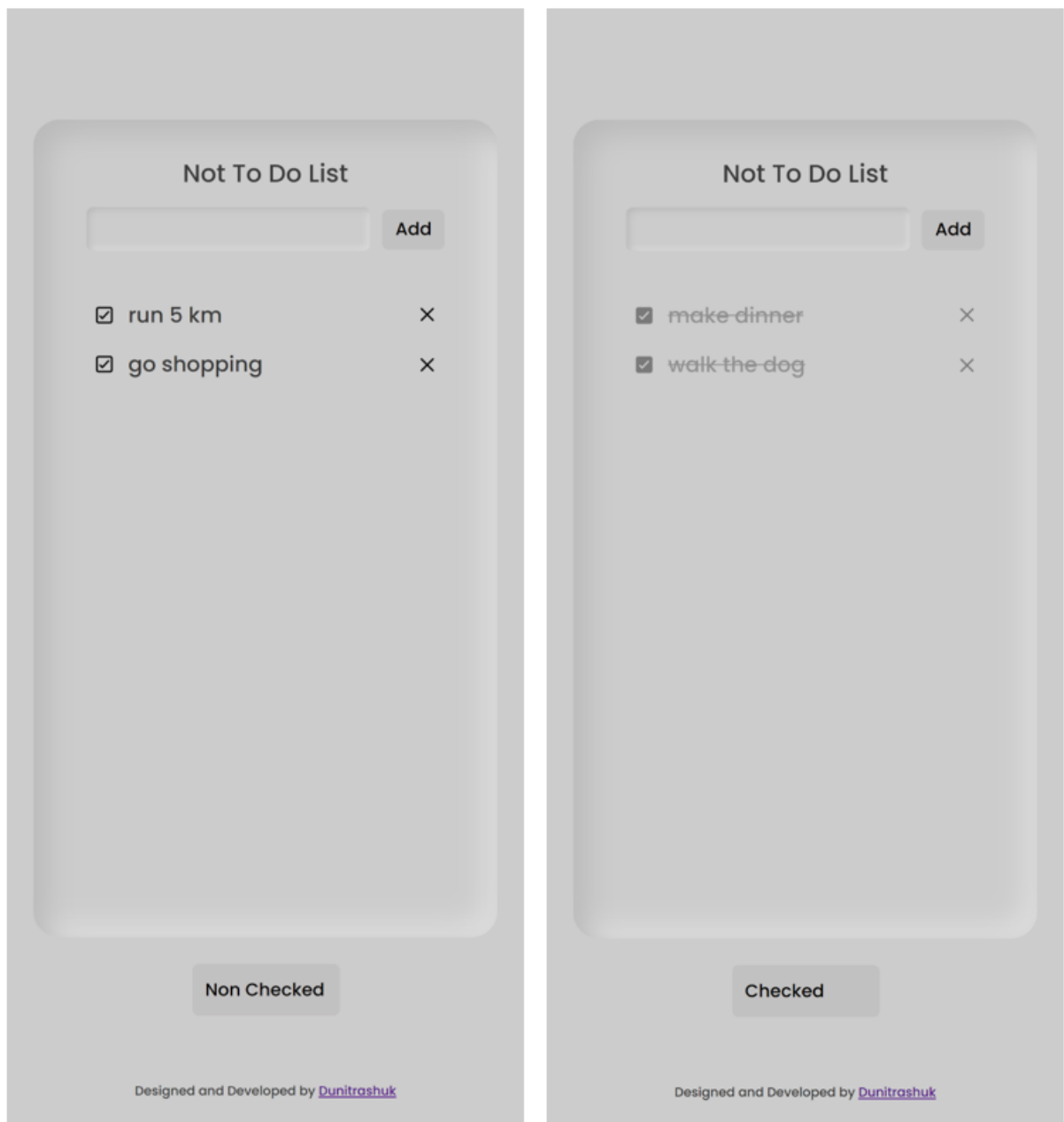
Below you can see some examples of the app.



In the images above you can see an empty list, and the list after adding some tasks.

Application		Filter	⌵	⌵	×
		Key	Value		
Manifest		testObject	{}		
Service Workers		cards	["run 5km", "make dinner", "walk the dog", "go shopping"]		
Storage					
Local Storage					
http://localhost:63342					

Here is the local storage of the browser after adding the 5 tasks.



In this example is shown the filter option which shows only the checked or unchecked tasks.

### 3 Conclusion

After implementing this laboratory work, I learned how to manipulate HTML tags using the DOM. I learned how to select different items from the page and add different event listeners which execute some functions. After implementing this laboratory work I gained some experience and I got an idea off how web apps are built from scratch.

Git Repository: <https://github.com/Dunitrashuk/Lab3PW>