

Assignment #8 – Todo List

The following Assignment is based on the following subjects:



- o HTML + CSS + JavaScript
- o React

Submitting instructions:

- o This assignment can be done in pairs, or individually. In case of pairs, one of you will submit your completed assignment to Hive.
- o Push the full folder hierarchy of the project/code as you write it to your own repository on GitHub. Please add the following in hive:
 - o A link to the repository
 - o Free text - a description of you app, including the features you chose to implement. Stuff that you found hard to implement, known bugs and your review of this assignment.



Understanding the task

We all know what is a todo list. It is simply a list of the tasks we need to do.

You can take inspiration from available todo lists application, such as [Wunderlist](#).



Approaching the assignment

1. Sit with your partner and think about the implementation
 - a. The layout of the app
 - b. Libraries you want to use (bootstrap?)
 - c. Which components you will have, and what is each component responsibility
 - d. Different functionalities - how your app should behave:
 - i. It is good to write user stories (flows of the app)
 - e. Divide the work between the team members
2. Start small, basic UI, one feature at a time.
3. Try to make it as close to a complete product as you can



Implementation constraints

1. The entire app should be built with React.
2. **Do not use concepts we haven't learned**
3. Try to write everything from scratch, if you copy code from the internet be sure that **you and your team**

members understand it completely.



Basic Requirements

1. You must use Git throughout the assignment (and not only commit at the end)
2. The UI/UX should look at least as good as the demo.

Tips

1. Prefer using CSS classes instead of dynamically changing CSS properties



Basic Features (Mandatory)

1. You should have the ability to add a new todo item.
2. You should have two lists. Todo and Done. Todo will contain the items that need to be done. Done will contain the items that are completed.
3. You should have the ability to mark an item as done. The item should then appear in the Done list.
4. You should have the ability to return a done item to the todo list. The item should then appear in the Todo list.
5. You should be able to delete an item from both lists.
6. Add a header to your app containing the app name and a logo.

Geek out

Extra Features:

- Add a star feature. You can mark an item in the todo list with a star and move it to the top of the list.
- Use local storage to save the lists, so that when you reload the page you can view the list you created previously.
- Add for each item a description and a due date (time to complete the task). Think about how you want to display this information. You can do it in a panel on the right side.
 - Add option to edit the description and the due date.
- Add option to edit the todo text.
- Add a quick reminder, such as remind me in: 1 min, 5 min, 15 min, 1 hour, 2 hours.
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Unleash the ninja within

- Add the ability to sort the list of todos according to the creation date, due date or priority (star first).
- Add a general reminder in a specific date and a specific time. Think about how you can test it!