**SMART-TRIAL Todos Case**

[**Repository**](https://github.com/DanielSimonsen90/didactic-robot)

**Task 1: Convert it from class-based to function-based component(s)**

Simply converted from top to bottom, only modifying a tiny bit of the class component. However, converting the state declarations and function handlers, I found it more efficient to write a copy of the previous defined item, then deleting the original, as it was only for reference.

**Time: 3m 37s**

**Task 2: Add statuses to the items in the list: “Todo”, “Doing”, “Done”. It should be possible to move the items through these statuses and see clearly which status each item is in**

Created TodoForm.tsx to handle all the form logic, taking in onSubmit as its only property.

Handling specific items, it’s as simple as making a datalist with the items as options, then an input referencing the list.

**Time: 31m 20s**

**Task 3: Add an optional deadline to items. A date and time for when an item should be complete**

Simple input with date type was added. Converting from strings to date object is a bit fiddly, but nothing complicated.

**Time: 23m 50s**

**Total time spent: 58m 47s**

**Bonus tasks: Move statuses input into own component & save todos in localStorage**

Although this wasn’t required, I added a bonus task for myself, which was to move the statuses inputs into its own component to avoid DRY.

Saving todos somewhere was obvious to me – you can’t have a todos list, and just clean them on refresh. They should be stored somewhere and updated whenever a todo is updated.

**Time: 14m 57s**

Which technically brings the total to **1h 13m 44s**

A more in-dept solution is provided in the repository’s **Solution.md**

Thanks for your time and the case!

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