

TASKZERO – STEP 4

There are deliberately no instructions for this step. Just a few suggestions on how to further improve the application.

Smarter Updates

As an example, try to open for editing a given to-do item. Do not make any changes but save it back to the store. Now if you snoop through the list of events in the (MongoDB) event store, you should see an Updated event that doesn't actually update anything.

- Consider adding some ad hoc code in the **UpdateTaskCommand** handler of the **ManageTask** saga to detect if changes are **really** occurring and deal with that.
- Consider introducing a No-Update event that could be tracked as an additional piece of information in the event store

Business Validation

The sample code written so far doesn't include any logic that validates the operation. What if we detect an error or invalid conditions to run the update or the deletion? Shouldn't we let the user know that the operation failed or could not be completed on the server?

- Consider adding some ad hoc code in the **UpdateTaskCommand** handler of the **ManageTask** saga to deal with some random business validation. For example, determine randomly if the operation succeeds or fails and find a way to report it back to the UI, logging and whatever.

Shortcut Functions

Once you start using the application you may soon be needing more functionalities. One could be a direct link to complete a task without passing for the canonical update view. Why don't implement it then?

- Consider adding a new command **MarkCompletedTask** and the entire stack of related changes.