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| React boot camp  Tasks |
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# Task 1 - (Core concepts pt.1, pt.2)

You should only layout these pages using JSX. They will be used in future tasks.

Each category has its own list of tasks and shows only them, even if the category has nested categories.

Selected category should be highlighted.

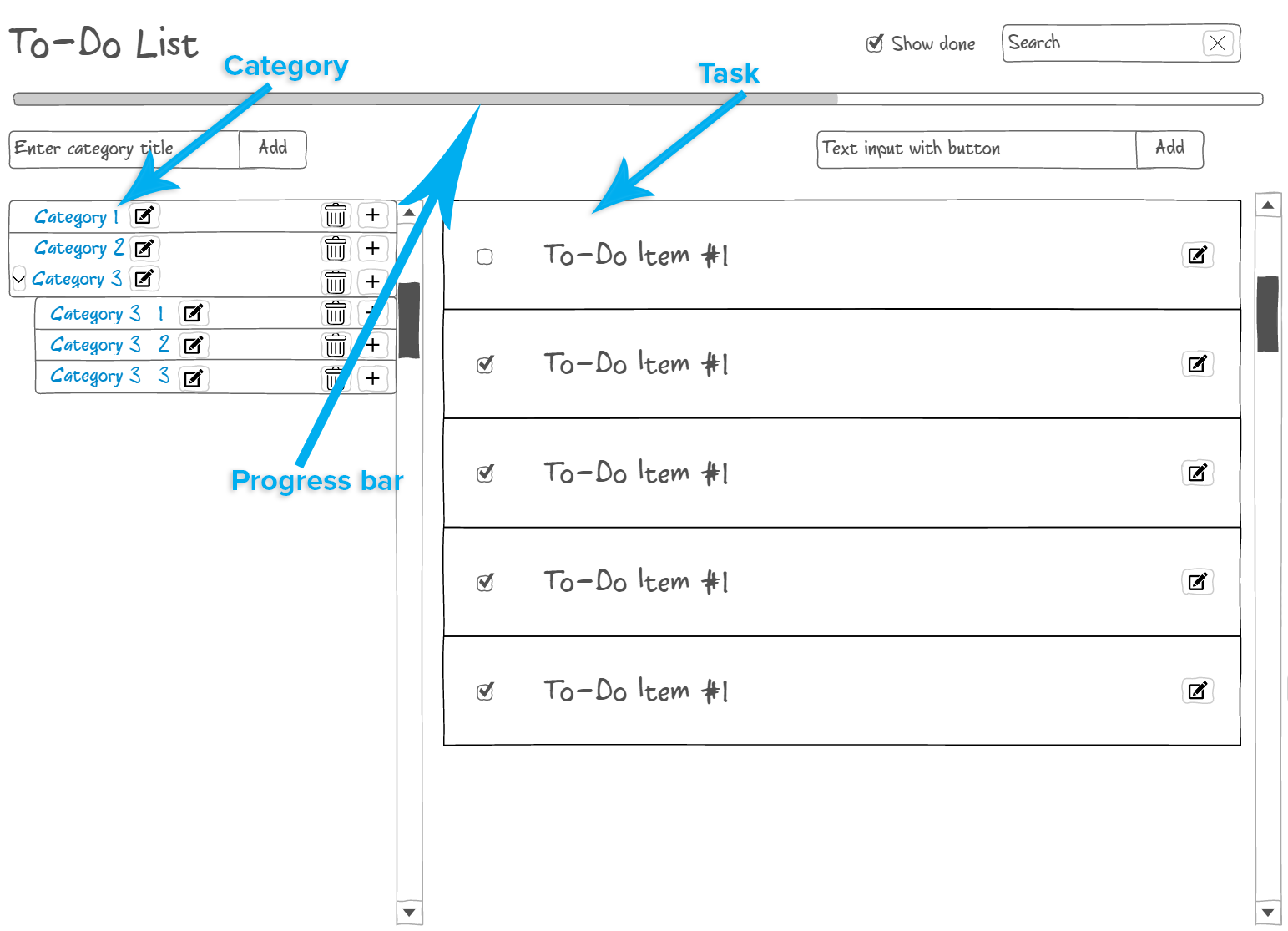


Figure 1 Main page

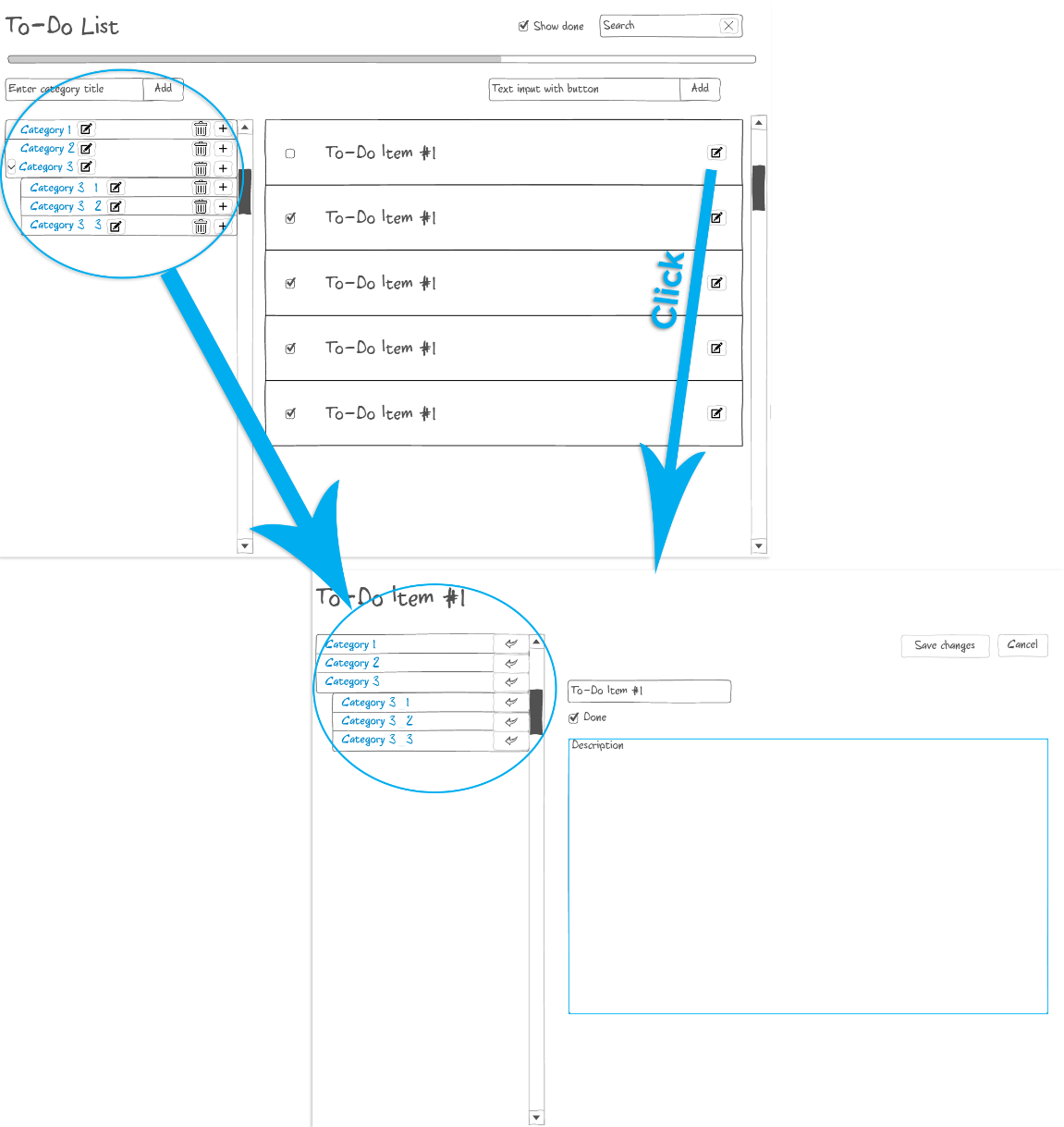
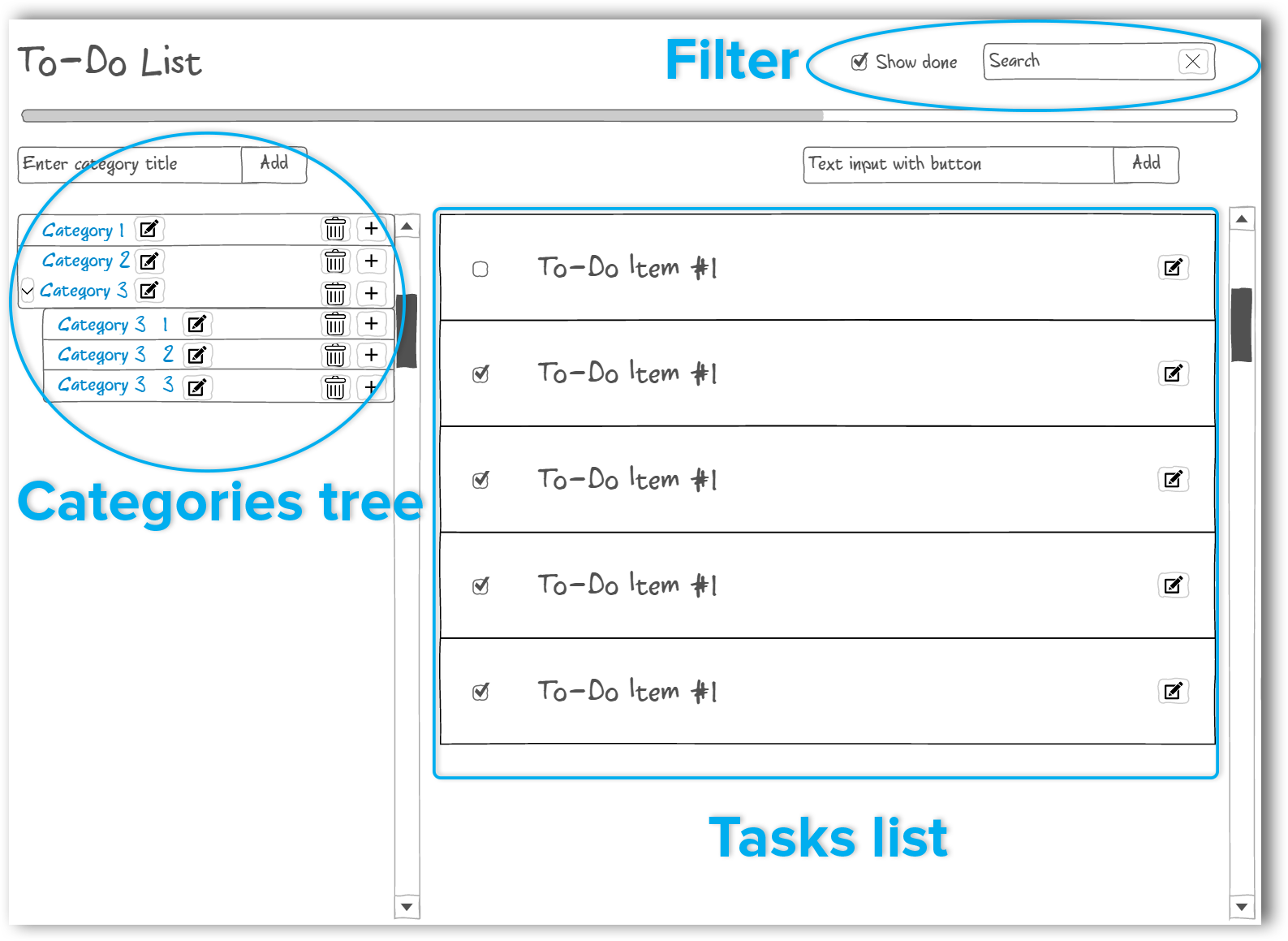


Figure 2 Task edit page

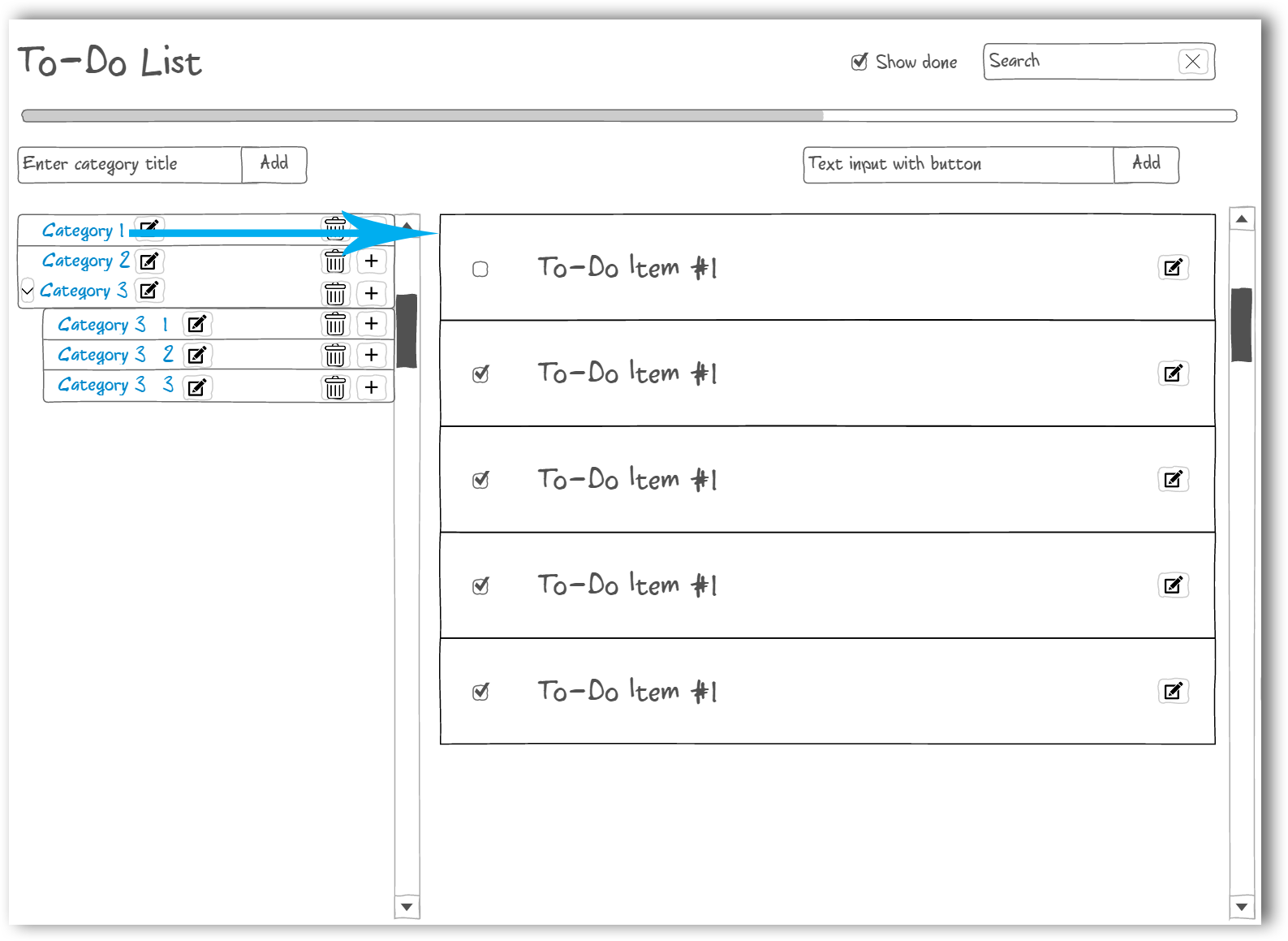
# Task 2 - Components, Routing

Create such TODO application

Filter and selected category and task must be in URL



When you click on category you will see its tasks



The categories tree may have infinite hierarchy

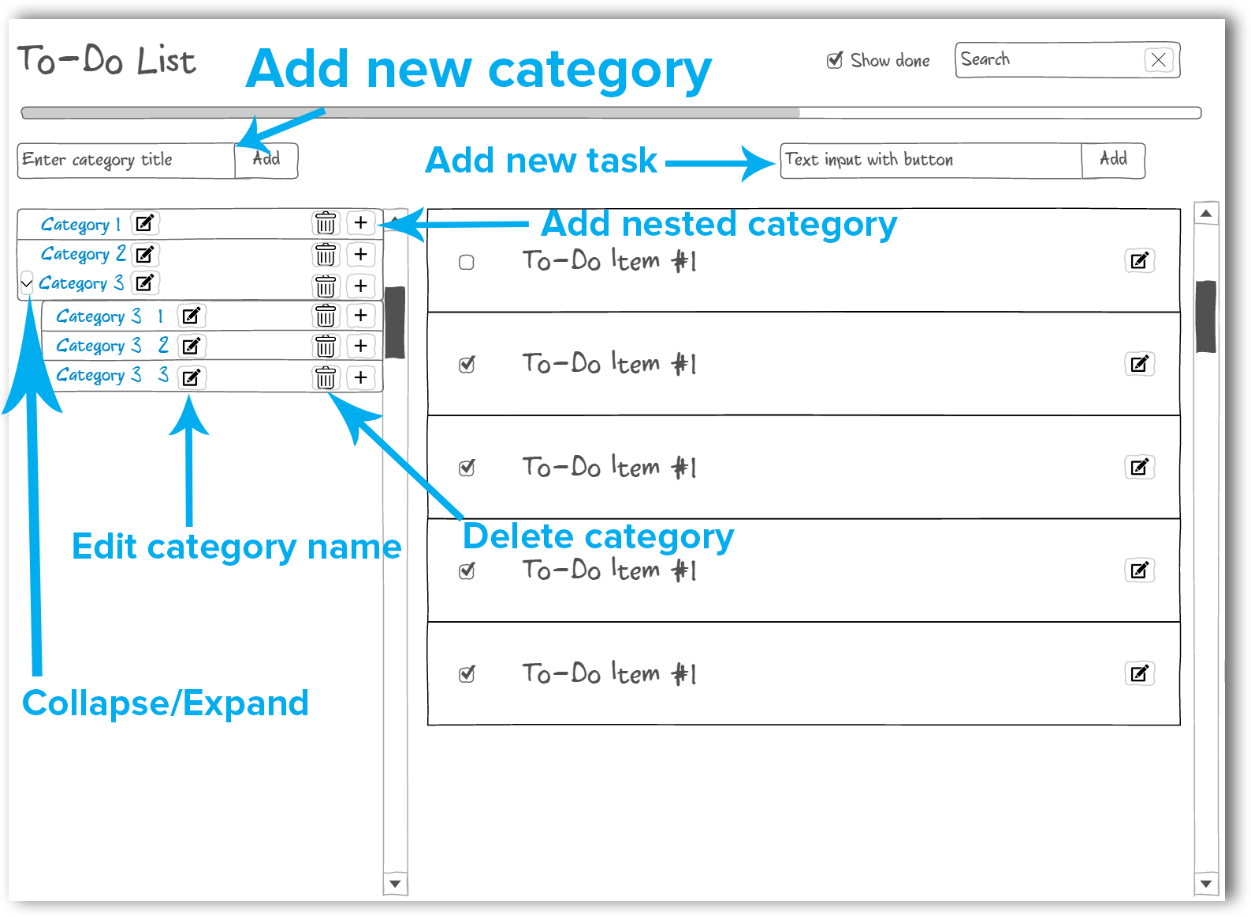
When user adds new category it goes to top of the tree. The UI of how to get the name is up to you (i.e. modal window or inline input)

When user deletes category all the nested categories are also become deleted. Confirmation should be shown.

New task goes to top of the list

By clicking “Edit category” user can rename the category. The UI should be the same as in adding new category.

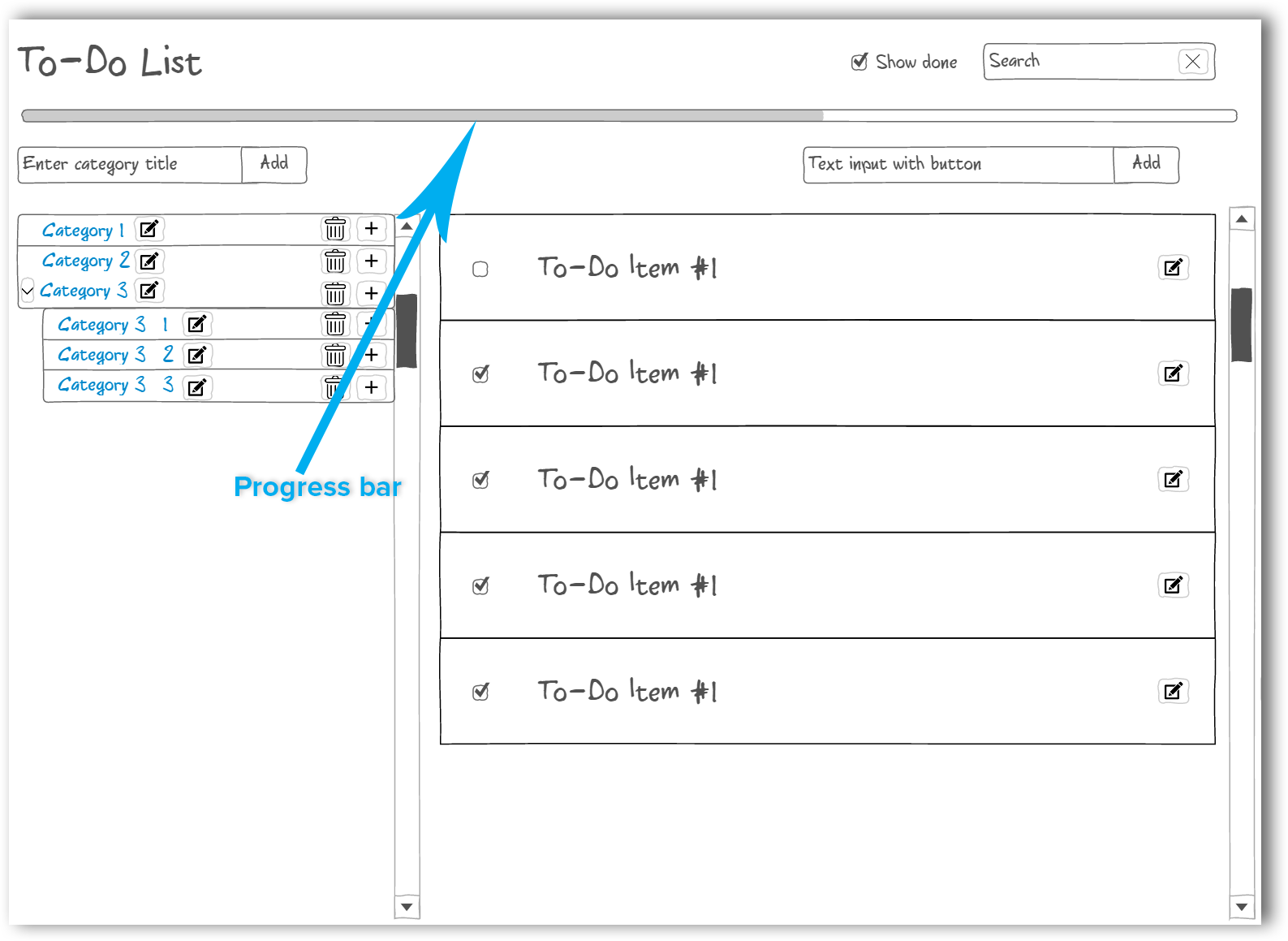
\* User can’t move categories, only delete or create new category. Also user can’t delete tasks.



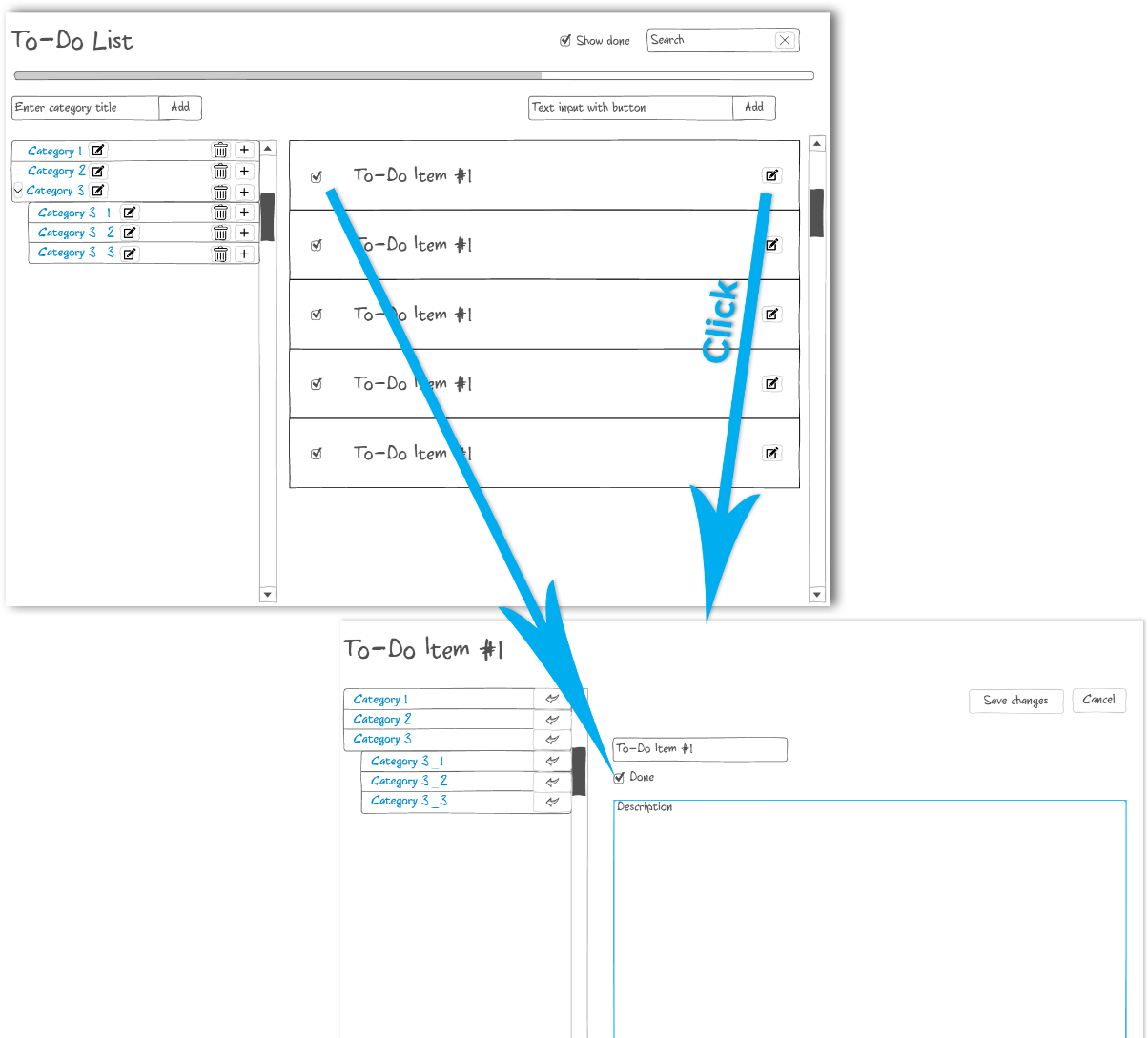
Category flow:

1. Case – you type category title in the input and click ‘Add’
2. Case – you click on ‘Add nested category’ and then i.e. modal window is appeared in which you can type name for nested category
3. Case – you click on ‘Edit category name’ and then the component of the second case is appeared with filled value. The purpose of it is to show reusable components approach.

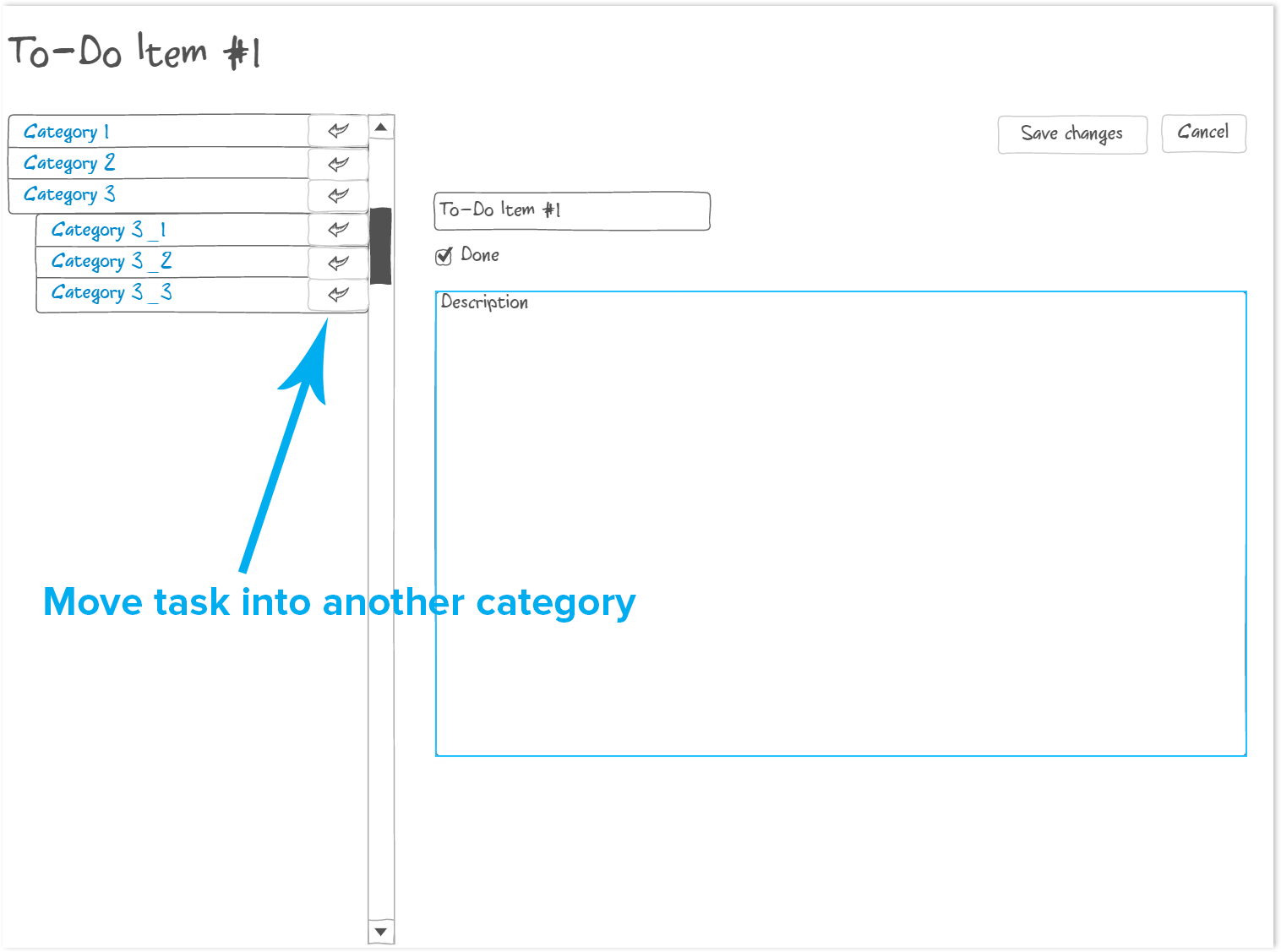
Progress of all completed categories. Completed category is a category in which all tasks are done. If parent category is completed but child is not, the parent category stays in the tree but the progress bar counts it as completed.



It is possible to edit particular task. It should be added to URL.



Also, you can move task into another category by clicking move icon. The move icon is hidden in the current task is presented in the category.



# Task 3 – Flux, Redux

* Add Undo/Redo (You can add these buttons to any place you want in the application)
* Use Flux as your data flow container
* Use Redux as your data flow container

# Task 4 – Testing, Project structure

* Create tests special for Redux
* Create E2E tests
* Reorganize and refactor your project

| REVISION HISTORY | | | | | |
| --- | --- | --- | --- | --- | --- |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.3 | Description update |  | 28.11.2016 |  |  |
| 1.4 | Add info about adding new category |  | 28.11.2016 |  |  |