

7. State should be minimal

We need the state to make the applications interactive.

To build the application correctly, you first need to think of the minimal set of the state that the application needs.

Let's take an example application, **Projects**.

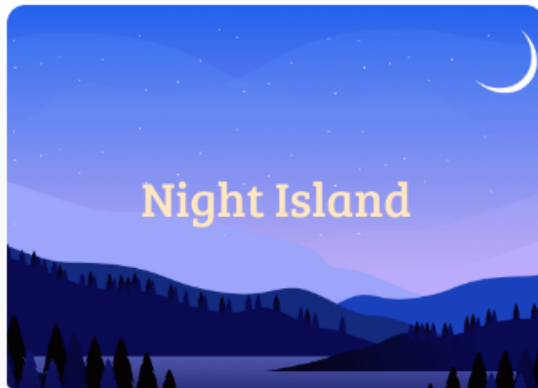
Projects

Your skills and achievements showcase your strengths and abilities. Speak about any new skills or software you learnt to perform the project responsibilities.

Static

Responsive

Dynamic



Music Page

The music page enables the users to browse through the images of all-time favorite music albums.



Tourism Website

A tourism website enables the user to browse through the images of popular destinations.



Advanced Technologies

A website that gives you a basic understanding of Advanced Technologies.

Think of all the pieces of data in the Projects Application. We have:

- The original list of projects

- The active tab item
 - The text decoration of the text - Underline
 - The color of the text
- The filtered list of projects

Let's go through each one and figure out which one is state. Ask three questions about each piece of data:

- Is it passed in from a parent via props? If so, it probably isn't state.
- Does it remain unchanged over time? If so, it probably isn't state.
- Can it be computed based on any other state or props in the component? If so, it isn't state.

Let's figure out which one is state in our application:

Data	Is State?	Reason
The original list of projects	No	It is passed as props
The active tab item	Yes	It changes over time and can't be computed from anything
The filtered list of projects	No	It can be computed by combining the original list of projects with the active tab item
The text decoration of the text - Underline	No	It can be derived from the active tab item
The The color of the text	No	It can be derived from the active tab item

So finally, the state is:

- The active tab item

```
1 state = {  
2   activeTabId: tabsList[0].tabId,  
3 }
```

JSX

