Project Report

Assignment: TaskManager with React State  
  
To ensure immutability in the TaskManager component, I used specific JavaScript features that help avoid direct modification of the state: This includes adding tasks with spread syntax and toggling task completion.

* Adding Tasks: Utilized the spread syntax to create a new array with existing and new tasks, ensuring the original state isn't mutated.
* Toggling Task Completion: Employed map to generate a new array where only the targeted task's completion status is updated, leaving the original state untouched.

Maintaining immutability is essential in React because it helps with efficient updates and rendering of components. By never directly modifying the state and instead creating new objects or arrays when changes are needed, we ensure that React can accurately detect changes to the state and update the DOM accordingly.