# React Lab 9 useEffect Hook

## Submission

* Delete the node\_modules folder in your project.
* Zip your project to a zip file called react\_lab9\_{your\_name}.zip.
* Submit the zip file to Talentlabs Classroom.
* After the submission you can execute `npm install` to restore your node\_modules folder.

## Task 1 Create a React Application

In this task, we will create a new React Project via the create-react-app tool.

**Step 1** Execute the following command to create a new React Project. Replace <app\_name> with the project name, such as **“intro-to-effect-hook”**

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| npx create-react-app <app\_name> |

**Step 2** Change directory into the created project

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| cd <app\_name> |

## Task 2 Set up Axios

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| npm install axios |

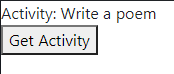
## 

## Task 3 Get a random Activity.

Bored is a free API to find something to do by getting suggestions for random activities:  
Try: https://www.boredapi.com/api/activity

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| import { useState } from "react"; const axios = require("axios");  function App() {  const [activity, setActivity] = useState("");   const fetchData = () => {  axios  .get("https://www.boredapi.com/api/activity")  .then((response) => {  // handle success  console.log(response);  // Fill in your code.  })  .catch((error) => {  // handle error  console.log(error);  alert("error", error);  });  };   return (  <**div**>  <**div**>Activity: {activity}</**div**>  <**button** onClick={fetchData}>Get Activity</**button**>  </**div**>  ); }  export default App; |

Fill in your code above, so that it can show a activity on click:



**Submission: Submit** this screenshot below:

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## Task 4 Get a random Activity on page refresh as well!

In the previous task, we can only get a new activity by clicking at the button. Note that the “Get Activity” button should still work after this task.

* New activity on page refresh
* New activity on the button clicked

Hints:

1. Please take a look at Lecture 9: API request on first render.
2. Reuse the fetchData function in the useEffect Hook.

**Submission: Submit** this screenshot below:

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**Submission:** Submit the final source code to Talentlabs Classroom based on the submission instruction above. Please make sure the node\_modules folder isn’t included in the submission.