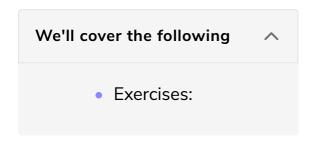
## Async/Await in React (Advanced)

Learn about the alternative syntax for handling promises: async/await.



You'll work with asynchronous data often in React, so it's good to know the alternative syntax for handling promises: async/await. The following refactoring of the handleFetchStories function without error handling shows how:

```
const App = () => {
    ...

const handleFetchStories = React.useCallback(async () => {
    dispatchStories({ type: 'STORIES_FETCH_INIT' });
    const result = await axios.get(url);

    dispatchStories({
        type: 'STORIES_FETCH_SUCCESS',
        payload: result.data.hits,
    });
    }, [url]);
    ...
};
```

src/App.js

To use async/await, our function requires the async keyword. Once you start using the await keyword, everything reads like synchronous code. Actions after the await keyword are not executed until promise resolves, meaning the code will wait.

```
const App = () => {
    ...

const handleFetchStories = React.useCallback(async () => {
    dispatchStories({ type: 'STORIES_FETCH_INIT' });
```

```
try {
    const result = await axios.get(url);

    dispatchStories({
        type: 'STORIES_FETCH_SUCCESS',
        payload: result.data.hits,
     });
} catch {
    dispatchStories({ type: 'STORIES_FETCH_FAILURE' });
}
}, [url]);
...
};
```

src/App.js

To include error handling as before, the try and catch blocks are there to help. If something goes wrong in the try block, the code will jump into the catch block to handle the error. then / catch blocks and async/await with try / catch blocks are both valid for handling asynchronous data in JavaScript and React.

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```

## Exercises: #

- Confirm the changes from the last section.
- Read more about data fetching in React.
- Read more about async/await in JavaScript.