Promise

5. Error handling best practices

Error rules

- These rules apply both to sync and async errors, so even if you are using try..catch on sync errors, these still apply

    ▸ You can let the error bubble up and let others catch it

    ▸ You can catch the error

    ▸ You can let some errors bubble and some catch

    ▸ You can catch and do something and bubble up on the catch

- If you can catch the error and act on the error, it's preferred.

- If you can't let it bubble

- If multiple errors can bubble make sure to be specific

Promise catching error

- You can catch an Error in a Promise by:

  ‣ **catch**

  ‣ **then** - second function

```
fetch("https://nztodo.herokuapp.com/api/tasks/?format=json")
    .then((response) => response.json())
    .catch(() => []);
```

Promise - throw

- You can **throw** inside a **then** to move the **Promise** from a **resolved** state to a **rejected** state

```javascript
fetch("https://nztodo.herokuapp.com/api/tasks/?format=json")
  .then((res) => {
    if (res.status === 200) {
      return res.json();
    }
    throw new Error("request for list failed");
  });
```