Module 4 Day 19

Web API and Error Handling

HTTP Methods (Verbs)

Method	Definition
GET	Read and return the specified resource. Requests using GET should only retrieve data, never change server data.
POST	Create a new resource, often causing a change in state on the server. Not idempotent (duplicate calls might cause two new resources).
PUT	Update the specified resource with the request payload. Idempotent (duplicate calls may be made without side effects).
DELETE	Remove the specified resource from the server.

HTTP Methods (Verbs)

Method	URL	Req Body	Resp Body	Example
GET	None http://api.com/todos	None	JSON array of objects	axios.get(this.apiURL)
GET	:id http://api.com/todos/101	None	JSON object	axios.get(`${this.apiURL}/${id}`)
POST	None http://api.com/todos	JSON object	None (or id)	axios.post(this.apiURL, this.theToDo)
PUT	:id http://api.com/todos/101	JSON object	None	axios.put(url, this.theToDo)
DELETE	:id http://api.com/todos/101	None	None	axios.delete(url)

Handling Axios Errors

- "catch" catches non 2xx http status codes.
- Check the error object for details

```
75    axios.get(url).then(response => {
76      if (response.status === 200) {
77        // do work with response.data...
78      }
79    }).catch(error => {
80      if (error.response) {
81        this.errorMsg = "Error submitting new board. Response received was '" + error.response.statusText + "'.";
82      } else if (error.request) {
83        this.errorMsg = "Error submitting new board. Server could not be reached.";
84      } else {
85        this.errorMsg = "Error submitting new board. Request could not be created.";
86      }
87    });
```

Let's Code