Axios

What is Axios?

- Open Source Library

- Makes HTTP requests

- Main functions are get(), post() and delete()

- Similar to Fetch and Ajax

- Mainly used for backend and server-client communication

`axios.get(url)`

How Does It Work?

- Promised based requests

- Functionality: get, post, put, patch, delete

- Will return HTTP request, along with status code

- Formatted similar to Ajax

```
axios({
  method: 'post',
  url: '/signin',
  data: {
    firstName: 'John',
    lastName: 'Smith'
  }
});
```

HTTP STATUS CODES

2xx Success
200	Success / OK

3xx Redirection
301	Permanent Redirect
302	Temporary Redirect
304	Not Modified

4xx Client Error
401	Unauthorized Error
403	Forbidden
404	Not Found
405	Method Not Allowed

5xx Server Error
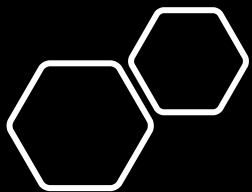|	
501	Not Implemented
502	Bad Gateway
503	Service Unavailable
504	Gateway Timeout

Advantages of Axios

- Axios is preferred to Fetch and Ajax
- Axios automatically Stringifies data
- Can utilize interceptors to increase code reduction
- OnProgress handler called when data is loading

Advantages Part 2

- Multiple requests at the same time with axios.all()

- Easy to use, but in depth

- Protects against CFSR attacks

- Quick implementation with Node.js

- Throws network errors (404) automatically

```
let url = `http://store.steampowered.com/api/appdetails?appids=${gam
return new Promise((resolve) => {
    axios.get(url)
    .catch(error => {
        console.log(error);
    })
```

Where is it used in our code?

- We mostly use Axios in our server side
- Get description and price from steam API
- Get steam user profile html
- The reasons we chose Axios:
  - Easy to implement with Node
  - Axios ease of use and greater functionality