Your Next Week

Tuesday April 28

6:30 PM

— DUE Class 13 Lab
— DUE Class 13 Code Challenge
— DUE Class 14 Reading
— Class 14A

Wednesday April 29

6:30 PM

— Class 14B

MIDNIGHT

— DUE Class 14 Learning Journal

Thursday April 30

6:30 PM

— Co-working

Friday May 1

Saturday May 2

6:30 PM

— DUE Class 14 Mock Interviews
— DUE Class 14 Lab
— DUE Class 15 Reading
— Class 15
— Interview Prep 02

MIDNIGHT

— DUE Class 15 Learning Journal

Sunday May 3

MIDNIGHT

— DUE CCW #1 Completed Personal Pitch
— DUE CCW #2 Completed Resume
— DUE Class 14-15 Feedback

Monday May 4

Tuesday May 5

6:30 PM

— DUE Class 15 Lab
— DUE Class 16 Reading
— Class 16A

What We’ve Covered

Module 01 Javascript Fundamentals and Data Models *C01 — Node Ecosystem, TDD, CI/CD* *C02 — Classes, Inheritance, Functional Programming* *C03 — Data Modeling & NoSQL Databases* *C04 — Advanced Mongo/Mongoose* *C05 — DSA: Linked Lists*	*Module 02* API Servers *C06 — HTTP and REST* *C07 — Express* *C08 — Express Routing & Connected API* *C09 — API Server* *C11 — DSA: Stacks and Queues*	*Module 03* Auth/Auth *C10 — Authentication* *C12 — OAuth* *C13 — Bearer Authorization* **C14 — Access Control (ACL)** C15 — DSA: Trees	*Module 04* Realtime C16 — Event Driven Applications C17 — TCP Server C18 — Socket.io C19 — Message Queues C20 — Midterms Prep Midterms
Module 05 React Basics C21 — Component Based UI C22 — React Testing and Deployment C23 — Props and State C24 — Routing and Component Composition C25 — DSA: Sorting and HashTables	*Module 06* Advanced React C26 — Hooks API C27 — Custom Hooks C28 — Context API C29 — Application State with Redux C30 — DSA: Graphs	*Module 07* Redux State Management C31 — Combined Reducers C32 — Asynchronous Actions C33 — Additional Topics C34 — React Native C35 — DSA: Review	*Module 08* UI Frameworks C36 — Gatsby and Next C37 — JavaScript Frameworks C38 — Finals Prep Finals

Lab 13 Review

Code Challenge 13 Review

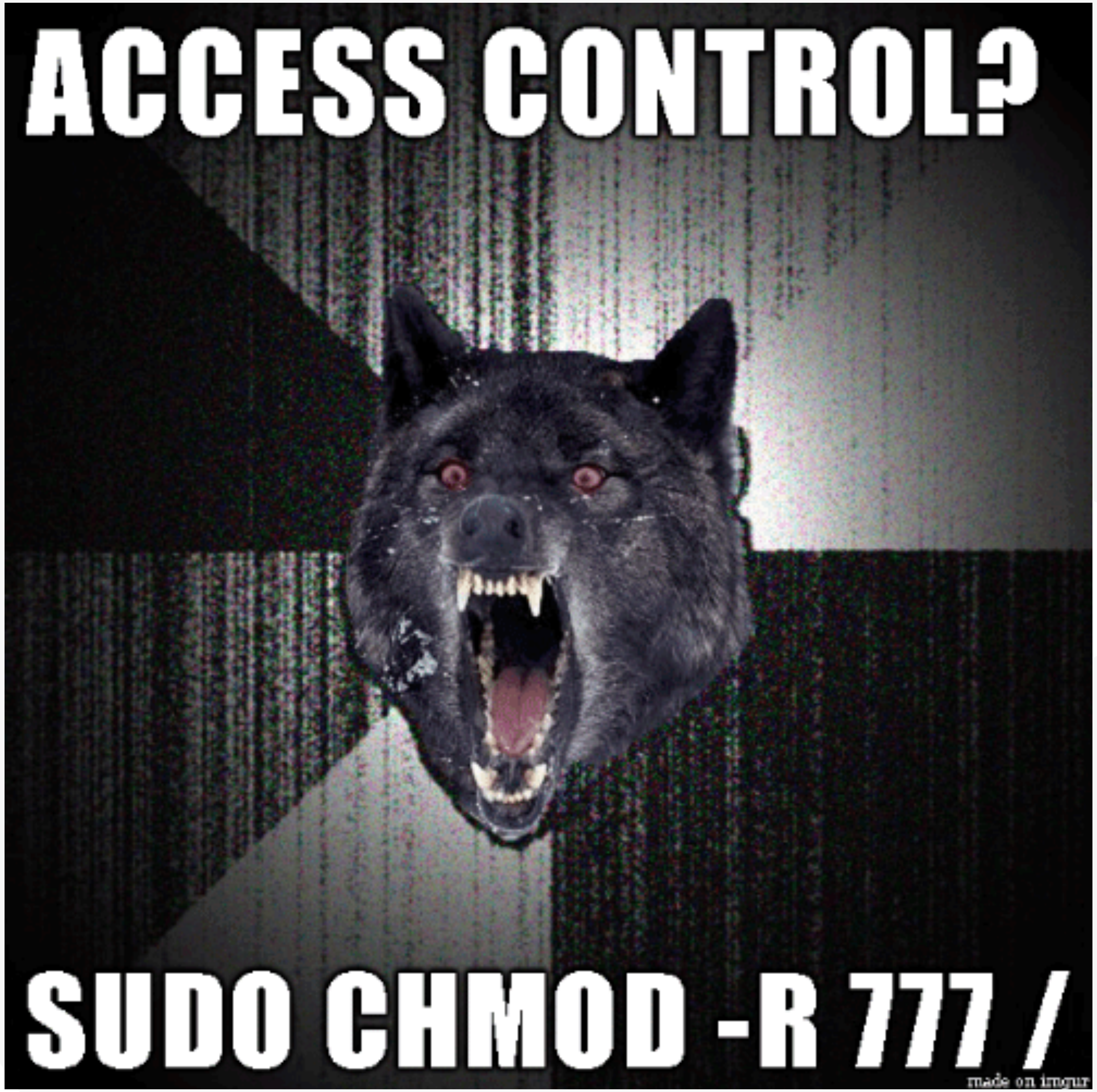
Class 14

Access Control

seattle-javascript-401n16

Access Control

- We have users that are signed in, now what?
- What should these users have access to?
- **Access Control** specifies that every system should have restrictions on data users can see/modify
- An example is file read/write privileges



Types of Access Control

- **Mandatory** - Central authority defines levels of clearance and who fits in what level
- **Discretionary** - Data owners decide who can access on a case-by-case basis
- **Role Based** - Each user has a role, and that role defines access
- **Rule Based** - Each data item has some rules about how and when it can be accessed
- **Attribute Based** - Data and users have attributes, and access is dynamically decided based on those attributes

Lab 14 Overview