The background of the slide is a blurred photograph of a person's legs and feet resting on a sandy beach. The person is wearing dark swim trunks. The sky is filled with warm, colorful clouds in shades of orange, red, and blue, suggesting a sunset or sunrise. The overall mood is relaxed and vacation-like.

REVIEW & EXAM PREP

**SEMESTER RECAP & FINAL
EXAM**



TODAY'S SCHEDULE

1. Cool Things
2. Semester Concept Review
3. Code Example
4. Final Exam Info
5. How To Study For The Final



COOL THINGS

RESOURCES, LINKS TUTORIALS AND OTHER COOL THINGS...

- ▶ <https://www.creativebloq.com/web-design/examples-of-javascript-1233964>
- ▶ <https://designseer.com/creative-javascript-examples/>
- ▶ <https://reactjs.org/tutorial/tutorial.html>
- ▶ <https://www.creativebloq.com/inspiration/css-animation-examples>
- ▶ <https://thekittencovers.tumblr.com/>

SEMESTER CONCEPT REVIEW

MODULE ONE: THE BASICS

- ▶ Declaring variables
(`let`, `var`, `const`)
- ▶ Variable scope
- ▶ Semicolons (when to use)
- ▶ Types of data
- ▶ Functions
(anonymous, named)
- ▶ Built-in browser functions
- ▶ Objects
- ▶ Object literals
- ▶ Debugging
- ▶ Helpful Tools



MODULE TWO: THE DOM & EVENTS

- ▶ What is the DOM?
- ▶ Nodes & Types of Nodes
- ▶ Selecting DOM Elements
- ▶ Manipulating The DOM
- ▶ DOM Traversal
- ▶ Types of Browser Events
- ▶ Event Listeners & Event Handlers
- ▶ The Event Object



MODULE THREE : OBJECTS

- ▶ JavaScript is an object-based language
- ▶ OOP & OOJS
- ▶ Constructor Functions
- ▶ Prototypes & Inheritance
- ▶ New Class Syntax
- ▶ JSON



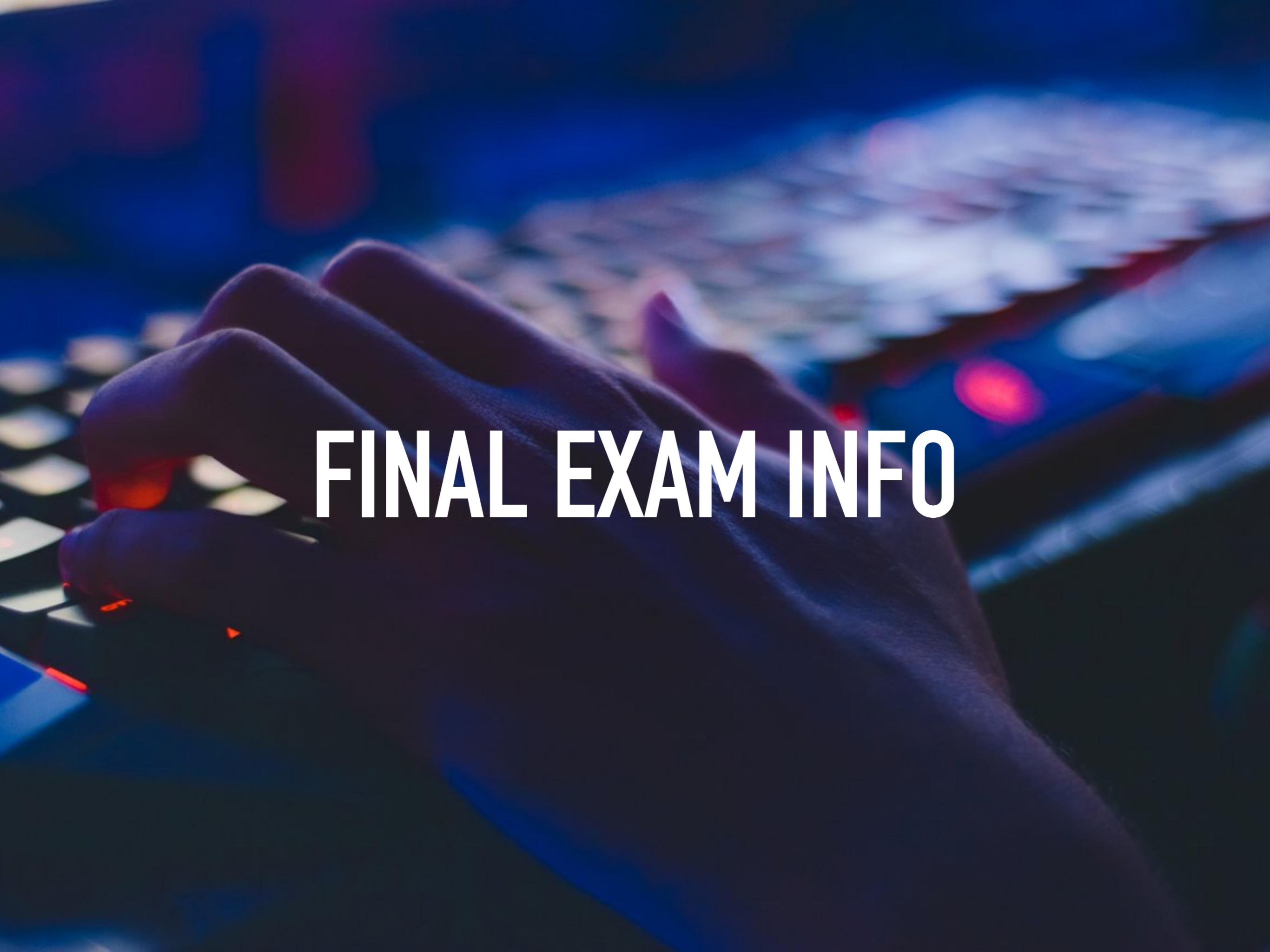
MODULE FOUR: CLIENT-SIDE APIs

- ▶ APIs let us include complex functionality
- ▶ There are two types
- ▶ Difference between browser APIs and Third Party APIs
- ▶ APIs are based on objects
- ▶ APIs have entry points
- ▶ APIs use events to handle changes in state
- ▶ May need API key to gain access to Third Party API



CODE EXAMPLE

REVIEW > WEEK 12 > EXAMPLE CODE >
STUDENT START



FINAL EXAM INFO

FINAL EXAM IMPORTANT INFO

- ▶ Synchronous (in person) Tuesday April 20th from 12pm - 2pm (Tuesday Section), Thursday April 22nd from 12pm - 2pm (Thursday Section)
- ▶ 2 hour time limit
- ▶ Open Book/ Application Based
- ▶ Worth 20% of Final Grade
- ▶ 1.5 hours to complete, must complete once you have started

HOW TO STUDY FOR FINAL EXAM

- ▶ Application Based (apply your understanding)
- ▶ Need to demonstrate understanding
- ▶ Review code files, add comments explaining functionality
- ▶ Review projects
- ▶ Practice building things with JavaScript !

**NEXT WEEK -
FINAL EXAM**



THANKS FOR A GREAT SEMESTER, COOL CATS!