

UC Berkeley Coding Boot Camp

Online: Zoom link posted in bootcampspot.com

Schedule

Class days: Monday, Wednesday, and Thursday

First day of class: 5 June 2023

Graduation: 29 November 2023

Class: 6:30pm - 9:30pm

Optional Office Hours: 5:45pm - 6:30pm (Preclass Drill)
9:30pm - 10:00pm

Breaks (7.5 min): ~7:30pm & ~8:30pm

Holidays

19 June - Juneteenth

3 July - Independence Day

4 September - Labor Day

9 October - Columbus/Indigenous People Day

23 November - Thanksgiving Day

Instructional Staff:

Instructor: **Mark Carlson**
[LinkedIn](#)/[Personal](#)

Teaching Assistant: **Clarence Cheung**
[LinkedIn](#)

Teaching Assistant: **TBD**

Online Class Norms

1. Find the most quiet, distraction-free area in your home to begin class.
2. The zoom link will become active at the start of office hours. You can access each class's zoom link from bootcampspot (BCS).
3. Class instruction will begin on time or within a minute or two of the scheduled start time. If you are late or absent, video recordings of class will be posted in BCS the day after class for your review. The recordings will not include office hours content.
4. Please keep your video on during class. (*Video can be turned off during breaks*). Why? [See page 3]
5. You can use Zoom's "Virtual Background" feature to mask visual background distractions.
6. Share your screen during in-class and small group activities.
7. If you have a question, please go off mute and ask! Don't be afraid to interrupt. You may prefer to type your questions in the Slack **#01-Live** channel. You can also use Slack to privately DM the instructional staff with any questions.
8. Office hours are optional and available for you to get one-on-one time with the instructional staff. Take advantage of this, if you need help with homework or any material which is confusing to you. You can choose to ask questions publically in the main room. Or you can ask to spend time in a private breakout room with a TA or other students.

Group Activity - Breakout Room Norms

1. First, select someone to share their screen. This person will be the “coder” for this activity.
2. Second, make sure everyone in the group understands the activity’s instructions.
3. Other group members will “Pair Program” by giving verbal guidance to the “coder”.
4. The “coder” will not necessarily drive the activity. Instead they will rely on guidance from the others in the group to complete the task. The “coder” can initiate writing code independently after verbally explaining their intentions to the rest of the group.
5. Instructional staff will bounce from between breakout rooms to check progress, answer questions, and offer guidance.

Why Is It Important For You To Keep Your Video On?

Not long ago, boot camps were taught in person in a classroom. Everybody could see everybody else all the time. I want you to experience that in-person experience as closely as we can using Zoom for this class.

- Video feeds increase productivity.
- Video feeds builds trust.
- Video feeds help us form and grow relationships.
- Video feeds make breakout room experiences much less awkward.

Do your best to control the environment around you during class. You can blur your background for some additional privacy. Ultimately, use your best judgement.

KEYBOARD GLOSSARY:

Have you ever looked at all the symbols on your computer's keyboard and thought "What is that and who would ever use it?" In this class, you will use nearly every symbol on your keyboard! You might know most of these, but a few might be new to you. Here's a list of names of some of these symbols, where to find them on your keyboard, and a brief explanation of how they are used.

Ampersand: &

Used as a double ampersand like this: "&&" and is the logical "AND" operator in javascript conditional statements.



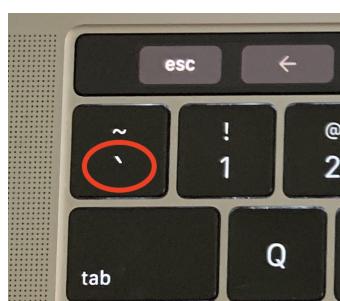
Angle Brackets: < >

Used in creating HTML tags and React JSX components. Left and right angle brackets are individually referred to as "Open angle bracket" and "Closed angle bracket", respectively. Also used in conditional expressions as less-than/greater-than signs.



Backtick: `

Used to enclose strings in ES6 Template Literals.



Bang: !

Logical “NOT” operator in javascript conditional expressions. A double bang (!!) is used to coerce a truthy or falsy value into a true or false boolean value. Also used in GraphQL to indicate a value is required.

<https://medium.com/better-programming/javascript-bang-bang-i-shot-you-down-use-of-double-bangs-in-javascript-7c9d94446054>



Colon: :

Used to separate properties and values in Javascript objects.



Curly Braces: {}

Used to define boundaries of JavaScript objects and code blocks.



Hash:

Used as a prefix for a hexadecimal color code in CSS. Also used to indicate a comment in UNIX code.



Hyphen or Dash: -

Replaces spaces in file names and CSS properties. Used as JavaScript subtraction operator.



Modulus: %

JavaScript "Remainder" operator. For example " $27 \% 5 = 2$ ". Twenty seven can be divided by 5 five times with a remainder of 2.



Parenthesis: ()

Used as boundaries of conditional expressions, for loop statements, etc. Left symbol is referred to as an “Open Parenthesis” and the right symbol as “Closed Parenthesis”.



Pipe: |

Used as a double pipe like this: “||” and is the logical “OR” operator in javascript conditional expressions.



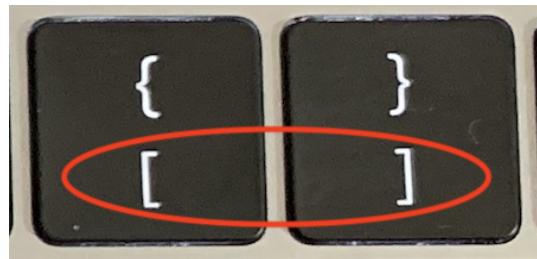
Semicolon: ;

Used to indicate the end of a Javascript statement and CSS property.



Square Brackets/Braces: []

Used as boundaries of arrays and to access elements in arrays and strings.



Tilde: ~

Alias for a user's "home" folder in UNIX.



Underscore: _

Used to replace spaces in folder and file names.

