

Asynchronous Programming

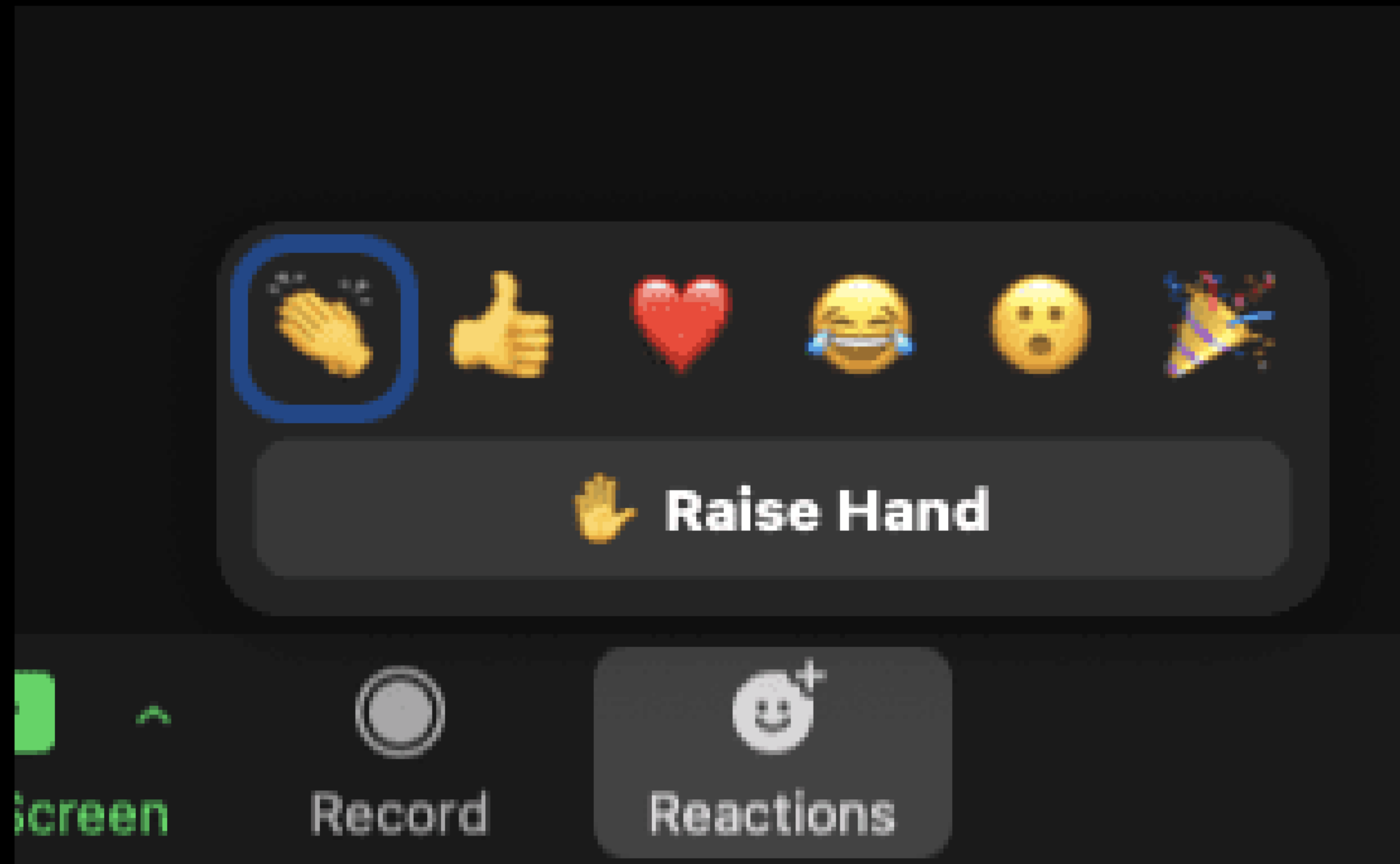
Week 1: Diving into The Event Loop



Hi, I'm **Bram** !



Questions?



What is asynchronous programming?





samirm00 commented 3 minutes ago · edited ▾

Collaborator



😄 if you are in a restaurant , and the waiter took you order and waited until your meal is ready and served you and then move to the second table this is * synchronous*.
However, if the waiter took you order and moved to the next table and took their order then came back to you when your meal is ready that is *Asynchronous*

😄 1



```
const btn = document.querySelector('button');
btn.addEventListener('click', () => {
  let myDate;
  for(let i = 0; i < 10000000; i++) {
    let date = new Date();
    myDate = date
  }

  console.log(myDate);

  let pElem = document.createElement('p');
  pElem.textContent = 'This is a newly-added paragraph.';
  document.body.appendChild(pElem);
});
```

View in browser



Most Web APIs are asynchronous
eg: Geolocation API or fetching files over the network



Async Callbacks

eg: `button.addEventListener('click', callback);`



Scheduling tasks

`setInterval` and `setTimeout`



Excercise time!

Until 13:50



What was challenging for your group?
What is the most helpful thing you've learned?



Break Time!

Back at 14:30



Integrate!



Excercise time!

Until 15:45



What was challenging for your group?
What is the most helpful thing you've learned?



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- Individual project
- Reverse engineer the application (minus the Report, Settings and Login buttons)
- Use at least one **class**.
- Use at least one **setTimeout** and **setInterval**.
- Use **classes-starter** as a basis.



Wednesday Review

- Remember to post your weekly Check-Ins.
- Evening review call will be posted on Slack.

