

程序代写代做 CS编程辅导

COMP6080



Front-End Programming

Tutorial 5

WeChat: cstutorcs

Sidney Pham
Assignment Project Exam Help
sidney.pham@unsw.edu.au

Email: tutorcs@163.com

UNSW

QQ: 749389476

Week 5, Term 3 2020

<https://tutorcs.com>

Some Unpleasant Code

程序代写代做 CS编程辅导



Look at `review.html`. What is wrong with the style of the source code for this page? What changes would you make?

Assignment Project Exam Help

A: Loops and functions would reduce code repetition.

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Debugging

程序代写代做CS编程辅导

Why won't this page load correctly?



<!DOCTYPE html>

<html>

<head></head>

<body>

<div id="dogname"></div>

<script type="text/javascript">

const data = fetch(

"http://www.cse.unsw.edu.au/~cs6080/20T3/data/doggo.txt"

);

document.getElementById("dogname").innerText = data;

</script>

</body>

</html>

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

https://tutorcs.com

fetch Returns a Promise!

程序代写代做 CS编程辅导



You'll want to do something like:

```
fetch(URL)
  .then((res) => res.text())
  .then((data) => {
    document.getElementById("dogname").innerText = data;
  });
```

WeChat: cs_tutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

Fetch Response objects have methods like `.json` and `.text` that return a promise that resolves with the value you probably want.

QQ: 749389476

<https://tutorcs.com>

Site Study

程序代写代做 CS编程辅导



What are some accessibility issues with <https://mcdonalds.com.au/> (the site and its source code)?

One thing I can spot is **poor text contrast!** The W3C's Web Content Accessibility Guidelines (WCAG) tell us about contrast ratio. One useful site is <https://contrast-ratio.com>. Another is Google's Designing in the Browser Youtube series.

QQ: 749389476

<https://tutorcs.com>

Lighthouse

程序代写代做 CS编程辅导



Chrome has in its developer tools an audit tool called **Lighthouse**, and it tells us plenty like:

- Buttons do not have accessible names
- Image elements do not have alt attributes
- Form elements do not have associated labels
- Links do not have a descriptive name attribute
- HTML element does not have a lang attribute

You can run this on your own site!

<https://tutorcs.com>

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

Exercise: A Rough SPA

程序代写代做 CS编程辅导

Build a page in `index.html` that has:

- A header bar with navigation links: Home, About, News, Articles
- A footer with a contact us link

WeChat: cstutorcs

When the items in the header bar are clicked, the body of the page should change to the relevant content below.

Assignment Project Exam Help

Email: tutorcs@163.com

NOTE: You aren't to just change the inner HTML of the body element, as there may be many nested HTML elements within that. You can either solve this via rendering all bodies and toggling which is displayed, or constantly re-rendering whichever one is being displayed currently.

QQ: 749389476

<https://tutorcs.com>

Warnings

程序代写代做CS编程辅导



Be careful with SPAs if you want nice URLs and history. Clicking on a link doesn't do anything to the URL. You also can't use the back and forwards buttons like with static sites. Tools like React Router handle this by using the History API.

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

(Non-Assessable) Beware: setTimeout

程序代写代做 CS编程辅导



setTimeout is great, often useful, but when you need to be a bit more precise about time, you should be careful.

WeChat: [cstutorcs](#)

For example, I had to make a timer app recently, but I decremented by one second each time the timer fired. You learnt this in your lectures too, but as a reminder: **timers can be somewhat inconsistent** (especially when the window isn't focused!).

Email: tutorcs@163.com

You should generally use `performance.now` to find out how much time has elapsed.

QQ: 749389476

<https://tutorcs.com>

Monotonic vs Non-Monotonic Time

程序代写代做 CS编程辅导



Generally, in JavaScript you should use `performance.now` (as opposed to `Date.now`) to find out how much time has elapsed, because it gives you **monotonic time**. This means it will only ever count upwards. This is generally something you want in a timer.

But be careful, `performance.now` might not tick when the user puts their computer to sleep, which is a strong argument in favor of `Date.now`.

WeChat: cstutores

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

The Timer App

程序代写代做 CS编程辅导



If you were curious, I'll also share the timer app code, because there are a few cool techniques like using `requestAnimationFrame` to render declaratively and a simplified tagged union.

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>