

程序代写代做 CS编程辅导

COMP6080



Front-End Programming

Tutorial 4

WeChat: cstutorcs

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

Email: tutorcs@163.com

UNSW

QQ: 749389476

Week 4, Term 3 2020

<https://tutorcs.com>

Exercise: A Simple Form

程序代写代做CS编程辅导

Build a simple form that collects an email address and first name from a user.



WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Exercise: A Simple Form

程序代写代做 CS编程辅导

Build a simple form that collects an email address and first name from a user.

Valid inputs:

- A valid first name is defined as only lowercase and uppercase letters, between 2 and 20 characters long inclusively.
- A valid email is defined by the regular expression `/^.\+\.@.\+\..\+$/` (read more on that here).

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>



Exercise: A Simple Form

程序代写代做 CS编程辅导

Build a simple form that collects an email address and first name from a user.

Valid inputs:



- A valid first name is defined as only lowercase and uppercase letters, between 2 and 20 characters long inclusively.
- A valid email is defined by the regular expression `/^.\+\\@.\+\\.\+$/` (read more on that here).

WeChat: cstutorcs

Assignment Project Exam Help

Important facts about form state:

- The submit button remains disabled until both a valid first name and valid email are entered. The state change occurs on keyup of either input fields.
- On blur of either input fields, if their value is invalid, the background of the input is turned a light red.
- On focus of either input fields, we remove any error backgrounds.

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Part 1: In Vanilla JS

程序代写代做 CS编程辅导



WeChat: cstutorcs

Let's first do it using Vanilla JS.

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Part 2: In React

程序代写代做 CS编程辅导



Let's see how we'd do this in React.

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Part 2: In React

程序代写代做 CS编程辅导



Let's see how we'd do this in React. There's a useful but simple tutorial on the official docs here. Note that it shows you **class components**, whereas we learn **functional components** in this course.

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Part 2: In React

程序代写代做 CS编程辅导



Let's see how we'd do this in React. There's a useful but simple tutorial on the official docs here. Note that it shows you **class components**, whereas we learn **functional components** in this course. I would recommend going through the **MAIN CONCEPTS** and some of the **HOOKS** sections.

QQ: 749389476

<https://tutorcs.com>

Controlled Components

程序代写代做 CS编程辅导



The main idea is to make the React state be the 'single source of truth'. That is, the value is controlled by React, as well as other handlers like `onSubmit` and `onChange`.

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Controlled Components

程序代写代做 CS编程辅导



The main idea is to make the React state be the 'single source of truth'. That is, the value is controlled by React, as well as other handlers like `onSubmit` and `onChange`. Really, I'd just read the tutorial.

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Part 3: Formik

程序代写代做 CS编程辅导



When you're tasked with making a lot of forms, this can get tedious. More complete solutions exist, and the one I use is called Formik.

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Part 3: Formik

程序代写代做 CS编程辅导



When you're tasked with making a lot of forms, this can get tedious. More complete solutions exist, and the one I use is called Formik. Let's see how it works.

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Exercise: Basic React State

程序代写代做 CS编程辅导



Use a basic HTML template to build a very simple 'Tic-Tac-Toe' game. Users can take turns clicking on cells, filling them with X or O depending on whose turn it is. Do this using React.

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Exercise: Basic React State

程序代写代做 CS编程辅导



Use a basic HTML template to build a very simple 'Tic-Tac-Toe' game. Users can take turns clicking on cells, filling them with X or O depending on whose turn it is. Do this using React.

WeChat: cstutorcs

Assignment Project Exam Help

As bonus exercises you may want to explore:

- Using loops as part of rendering
- Accounting for the 'finish' (goal) state.

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>

Bonus: The Solution

程序代写代做 CS编程辅导

Let's have a look at
review it.



's solution, and see if we can code

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com


QQ: 749389476

<https://tutorcs.com>

Bonus: The Solution

程序代写代做 CS编程辅导



Let's have a look at 's solution, and see if we can code review it.

Things I can spot are:

1. The defaultBoard is being recreated on every single render.
2. firstUser shouldn't be named firstUser.
3. The board goes from being an array of arrays to being a dictionary of arrays.
4. newBoard[x][y] still updates the existing array in-place.
5. border="1" is deprecated.
6. It might be easier to create the table in a loop.

WeChat: cstutorcs

Assignment Project Exam Help

Email: tutorcs@163.com

QQ: 749389476

<https://tutorcs.com>