ReactJS Practice Question Set 8

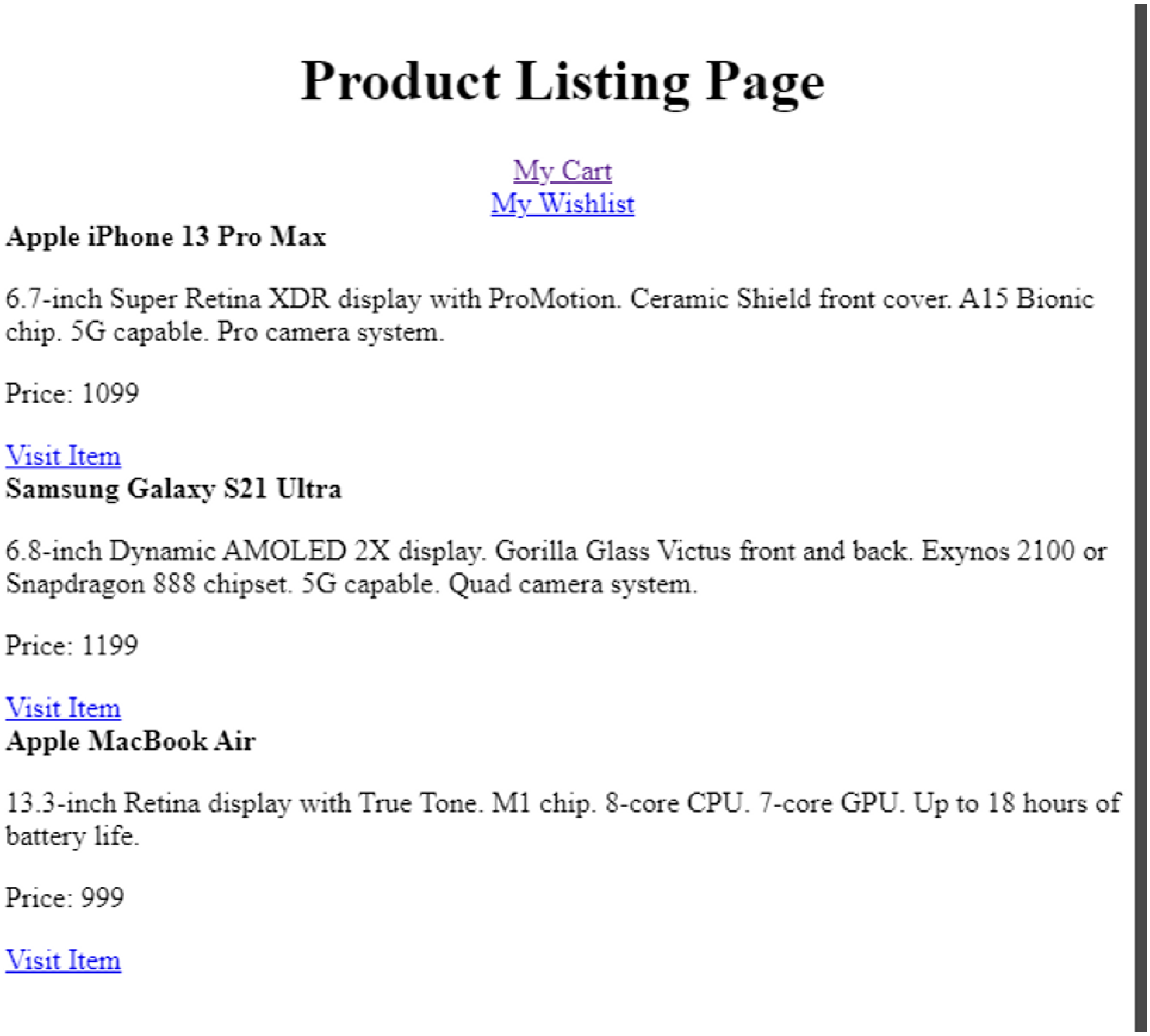
1. Create an e-commerce App in React with different routes for:

   - Product listing page - fakeFetch has been provided. Fetch the data and display on the product listing page.
   - cart page
   - wish list page
   - A 404 page should be displayed when user enters wrong url

```
export const fakeFetch = (url) => {
  return new Promise((resolve, reject) => {
    setTimeout(() => {
      if (url === 'https://example.com/api/products') {
        resolve({
          status: 200,
          message: 'Success',
          data: {
            products: [
              {
                id: 1,
                name: 'Apple iPhone 13 Pro Max',
                description:
                  '6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front
                price: 1099,
                quantity: 10,
                category: 'Smartphones',
                brand: 'Apple',
              },
              {
                id: 2,
                name: 'Samsung Galaxy S21 Ultra',
                description:
                  '6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and bac
                price: 1199,
                quantity: 8,
                category: 'Smartphones',
                brand: 'Samsung',
              },
              {
                id: 3,
                name: 'Apple MacBook Air',
                description:
                  '13.3-inch Retina display with True Tone. M1 chip. 8-core CPU. 7-core G
                price: 999,
                quantity: 5,
                category: 'Laptops',
                brand: 'Apple',
              },
              // and so on...
            ],
          },
        })
      } else {
        reject({
          status: 404,
          message: 'Items list not found.',
        })
      }
    }, 2000)
  })
}
```

COPY

Product listing page



Product Listing Page

My Cart
My Wishlist

Apple iPhone 13 Pro Max

6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Price: 1099

Visit Item

Samsung Galaxy S21 Ultra

6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and back. Exynos 2100 or Snapdragon 888 chipset. 5G capable. Quad camera system.

Price: 1199

Visit Item

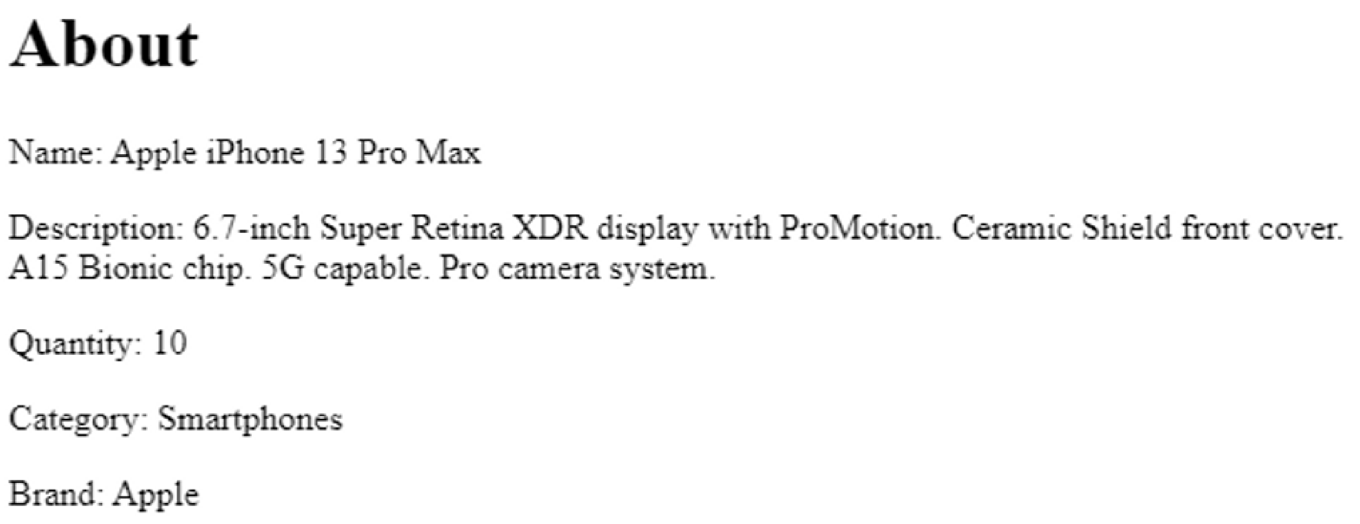
Apple MacBook Air

13.3-inch Retina display with True Tone. M1 chip. 8-core CPU. 7-core GPU. Up to 18 hours of battery life.

Price: 999

Visit Item

Single item page



About

Name: Apple iPhone 13 Pro Max

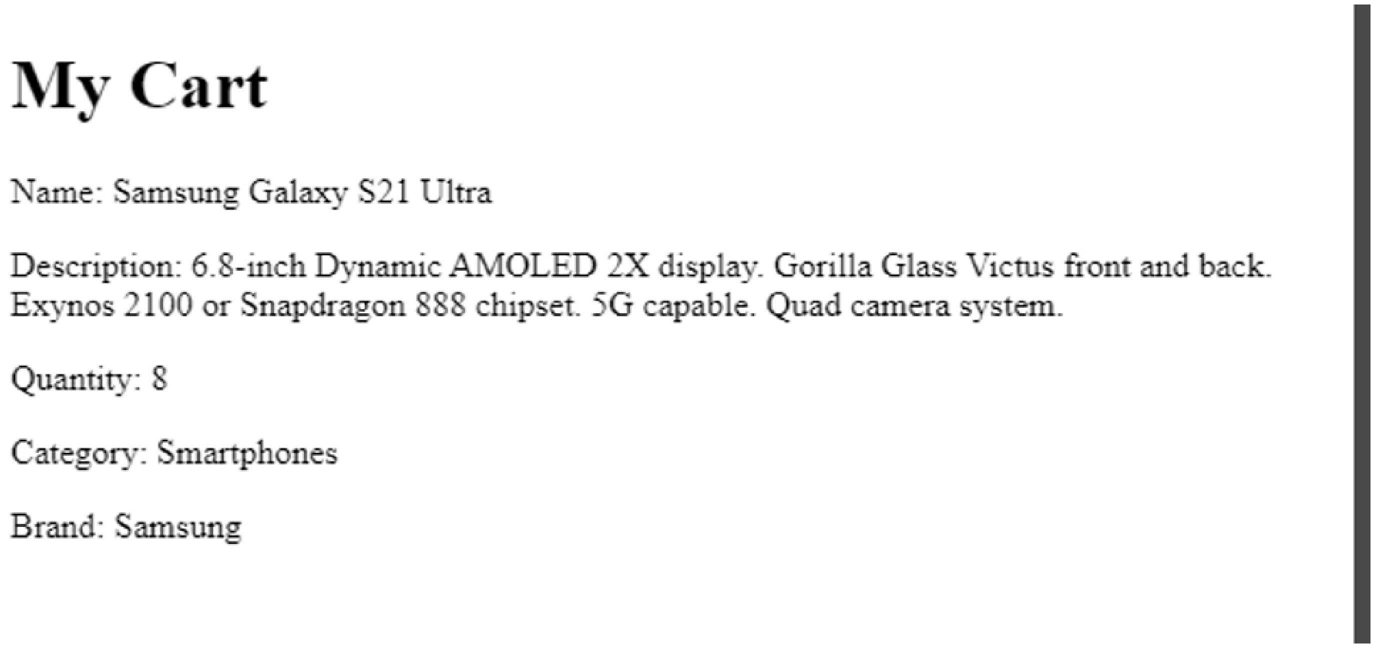
Description: 6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Quantity: 10

Category: Smartphones

Brand: Apple

Cart Page



My Cart

Name: Samsung Galaxy S21 Ultra

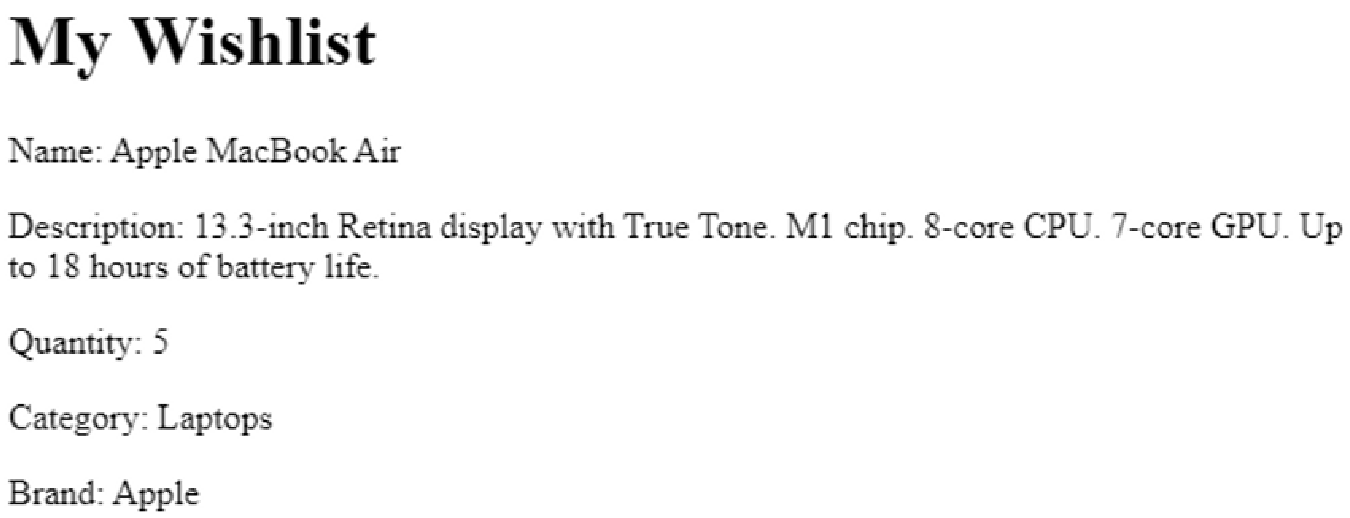
Description: 6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and back. Exynos 2100 or Snapdragon 888 chipset. 5G capable. Quad camera system.

Quantity: 8

Category: Smartphones

Brand: Samsung

Wishlist



My Wishlist

Name: Apple MacBook Air

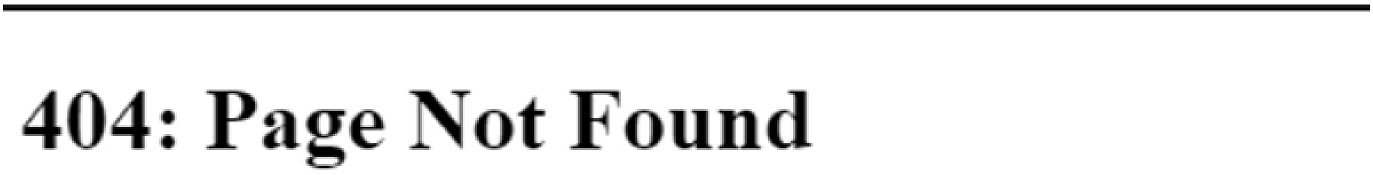
Description: 13.3-inch Retina display with True Tone. M1 chip. 8-core CPU. 7-core GPU. Up to 18 hours of battery life.

Quantity: 5

Category: Laptops

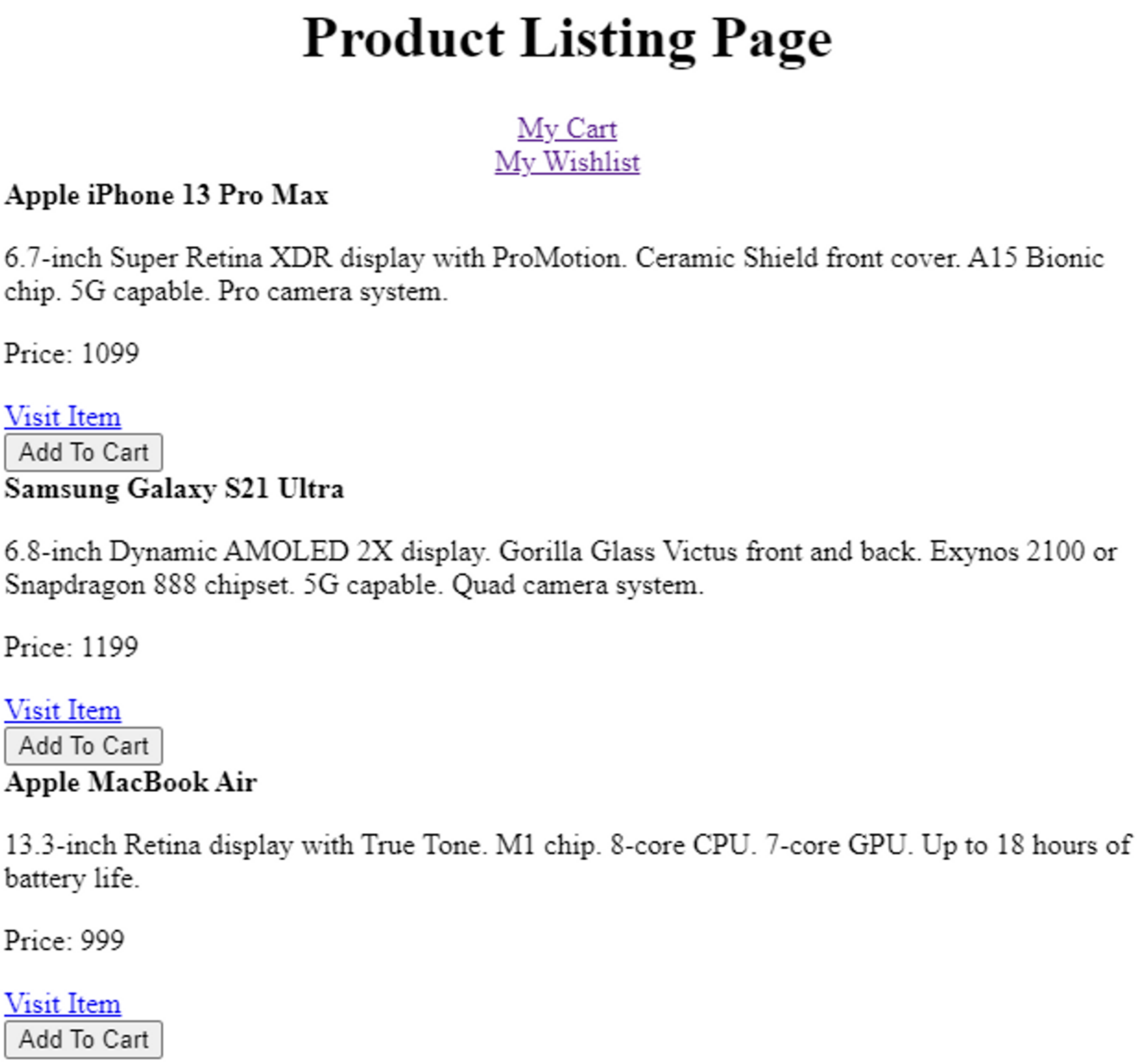
Brand: Apple

Page when you enter wrong URL:



404: Page Not Found

2. In the above question, in your product listing page add a “Add to Cart” button along with each product. On click of the button, add that item to your cart. The added product should be visible in the My Cart page. Show the total number of items available in the cart at the top of the page. Do this using context.



Product Listing Page

My Cart
My Wishlist

Apple iPhone 13 Pro Max

6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Price: 1099

Visit Item

Add To Cart

Samsung Galaxy S21 Ultra

6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and back. Exynos 2100 or Snapdragon 888 chipset. 5G capable. Quad camera system.

Price: 1199

Visit Item

Add To Cart

Apple MacBook Air

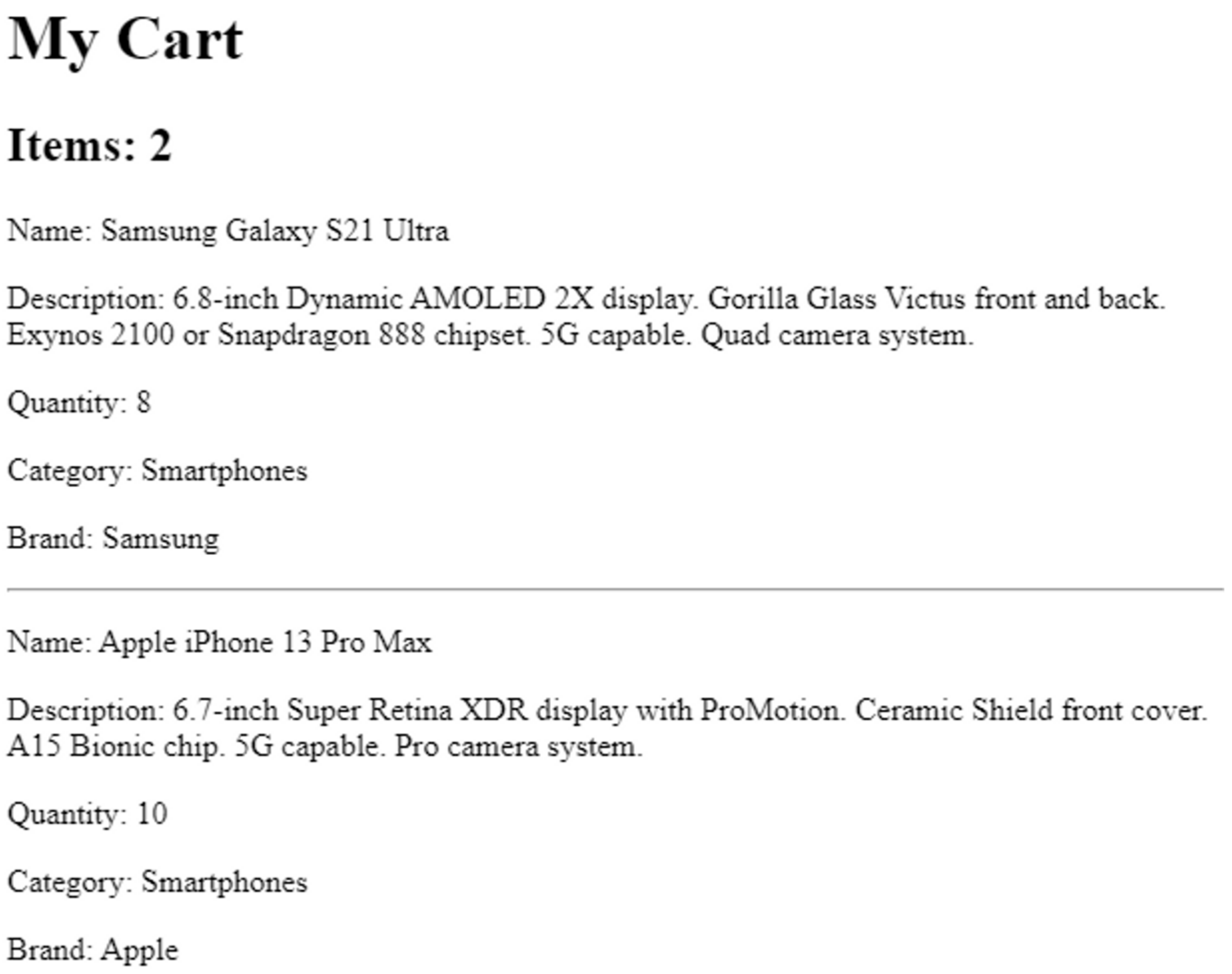
13.3-inch Retina display with True Tone. M1 chip. 8-core CPU. 7-core GPU. Up to 18 hours of battery life.

Price: 999

Visit Item

Add To Cart

My Cart with total items listed



My Cart

Items: 2

Name: Samsung Galaxy S21 Ultra

Description: 6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and back. Exynos 2100 or Snapdragon 888 chipset. 5G capable. Quad camera system.

Quantity: 8

Category: Smartphones

Brand: Samsung

Name: Apple iPhone 13 Pro Max

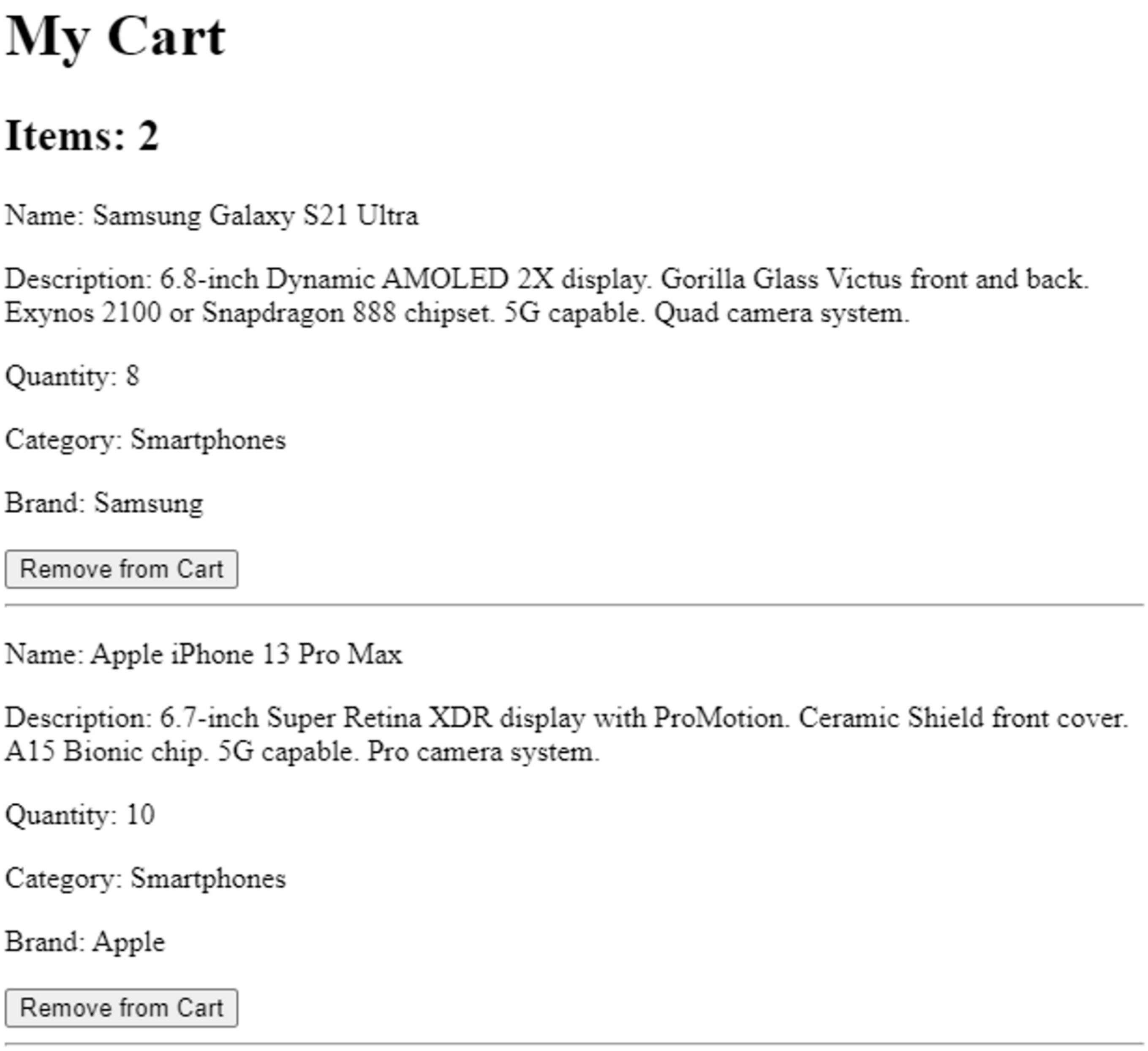
Description: 6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Quantity: 10

Category: Smartphones

Brand: Apple

3. In the question above, add a “Remove from cart” button in the My Cart page for each product. On click of this button, the product should be removed from the cart.



My Cart

Items: 2

Name: Samsung Galaxy S21 Ultra

Description: 6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and back. Exynos 2100 or Snapdragon 888 chipset. 5G capable. Quad camera system.

Quantity: 8

Category: Smartphones

Brand: Samsung

Name: Apple iPhone 13 Pro Max

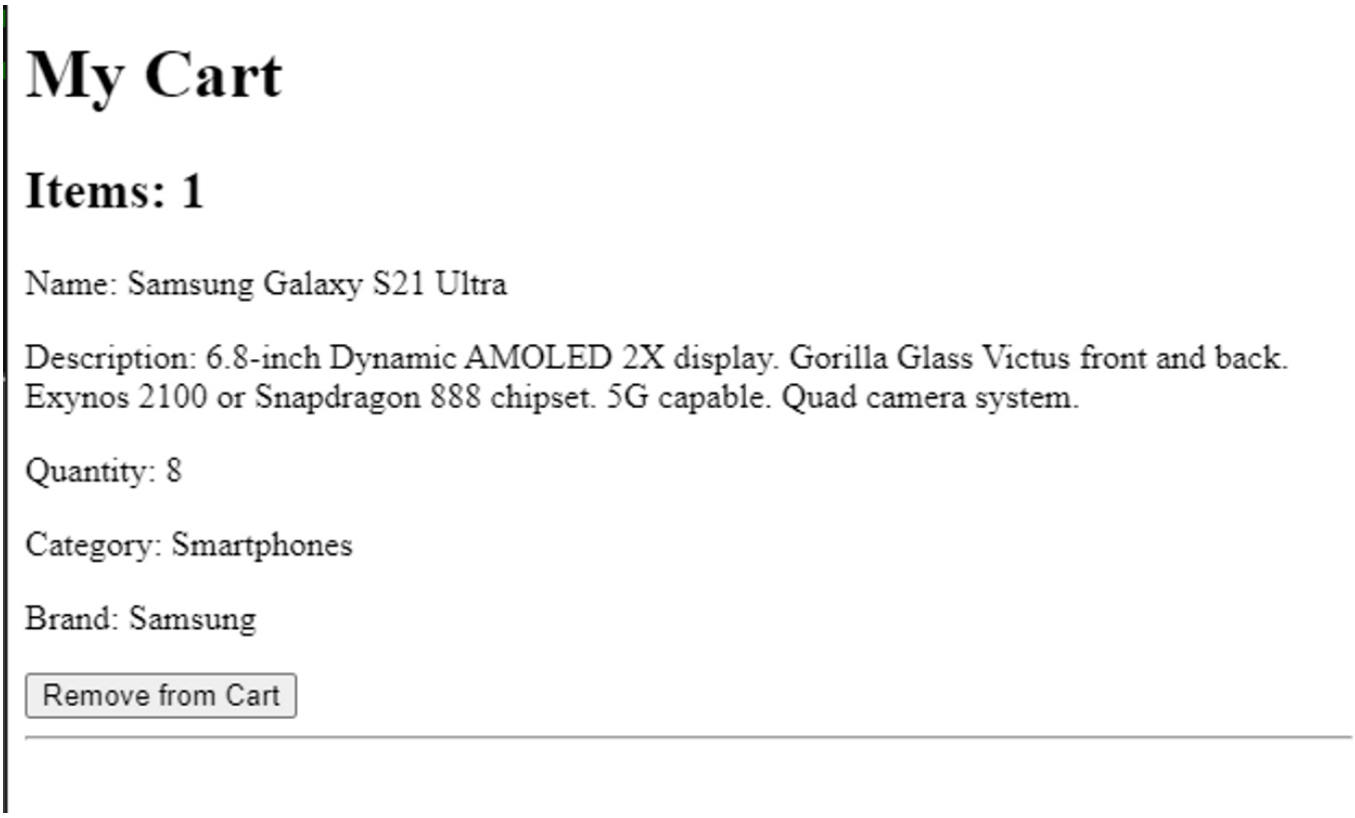
Description: 6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Quantity: 10

Category: Smartphones

Brand: Apple

Items removed from cart



My Cart

Items: 1

Name: Samsung Galaxy S21 Ultra

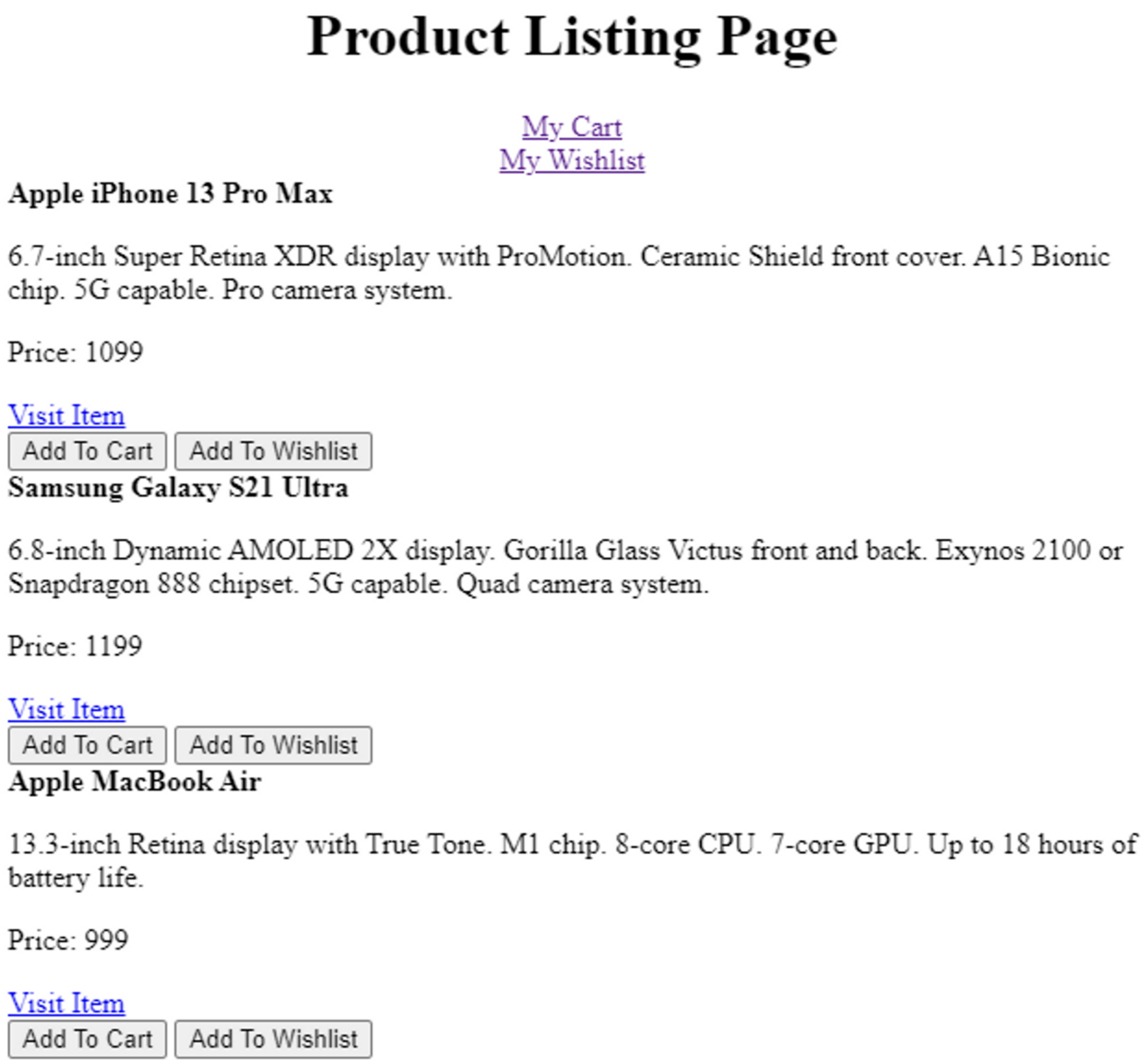
Description: 6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and back. Exynos 2100 or Snapdragon 888 chipset. 5G capable. Quad camera system.

Quantity: 8

Category: Smartphones

Brand: Samsung

4. In the above question, in your product listing page add a “Add to Wishlist” button along with each product. On click of the button, add that item to your Wishlist page. The added product should be visible in the My Wishlist page. Show the total number of items available in the Wishlist at the top of the page. Do this using context.



Product Listing Page

My Cart
My Wishlist

Apple iPhone 13 Pro Max

6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Price: 1099

Visit Item

Samsung Galaxy S21 Ultra

6.8-inch Dynamic AMOLED 2X display. Gorilla Glass Victus front and back. Exynos 2100 or Snapdragon 888 chipset. 5G capable. Quad camera system.

Price: 1199

Visit Item

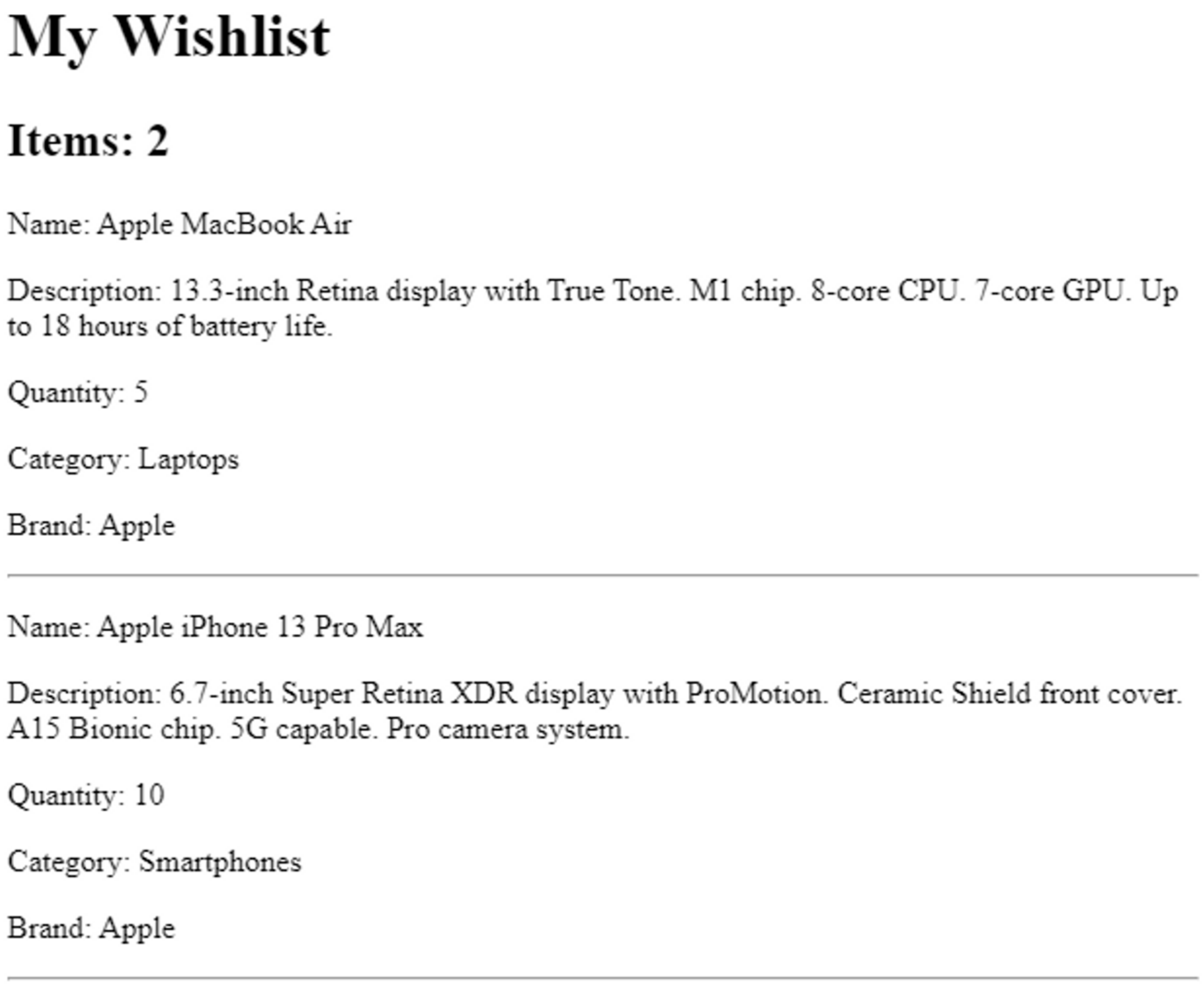
Apple MacBook Air

13.3-inch Retina display with True Tone. M1 chip. 8-core CPU. 7-core GPU. Up to 18 hours of battery life.

Price: 999

Visit Item

Wishlist



My Wishlist

Items: 2

Name: Apple MacBook Air

Description: 13.3-inch Retina display with True Tone. M1 chip. 8-core CPU. 7-core GPU. Up to 18 hours of battery life.

Quantity: 5

Category: Laptops

Brand: Apple

Name: Apple iPhone 13 Pro Max

Description: 6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Quantity: 10

Category: Smartphones

Brand: Apple

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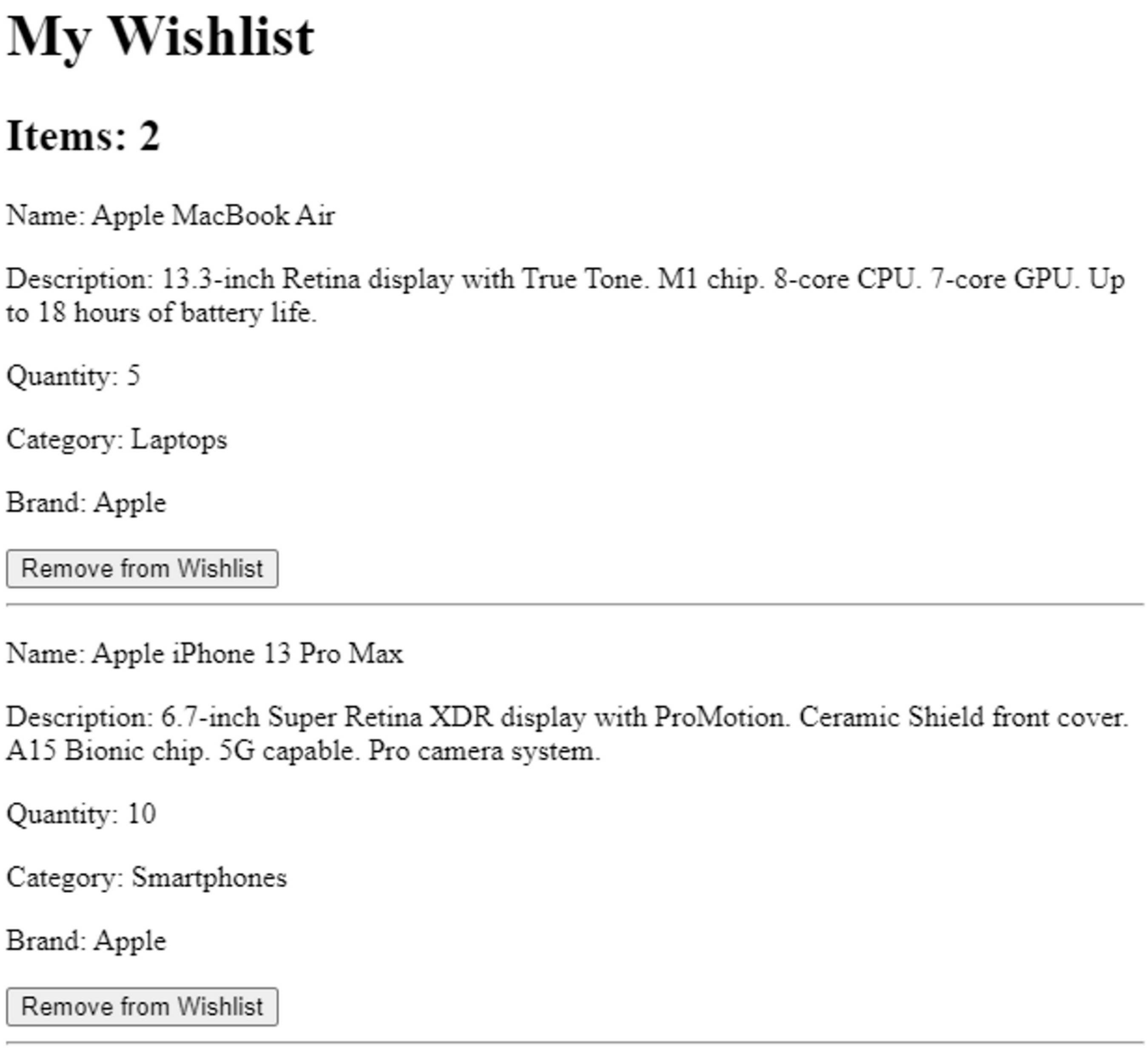
5. In the question above, add a “Remove from Wishlist” button in the My Wishlist page for each product. On click of this button, the product should be removed from the Wishlist.



My Wishlist

Items: 2

Name: Apple MacBook Air

Description: 13.3-inch Retina display with True Tone. M1 chip. 8-core CPU. 7-core GPU. Up to 18 hours of battery life.

Quantity: 5

Category: Laptops

Brand: Apple

Name: Apple iPhone 13 Pro Max

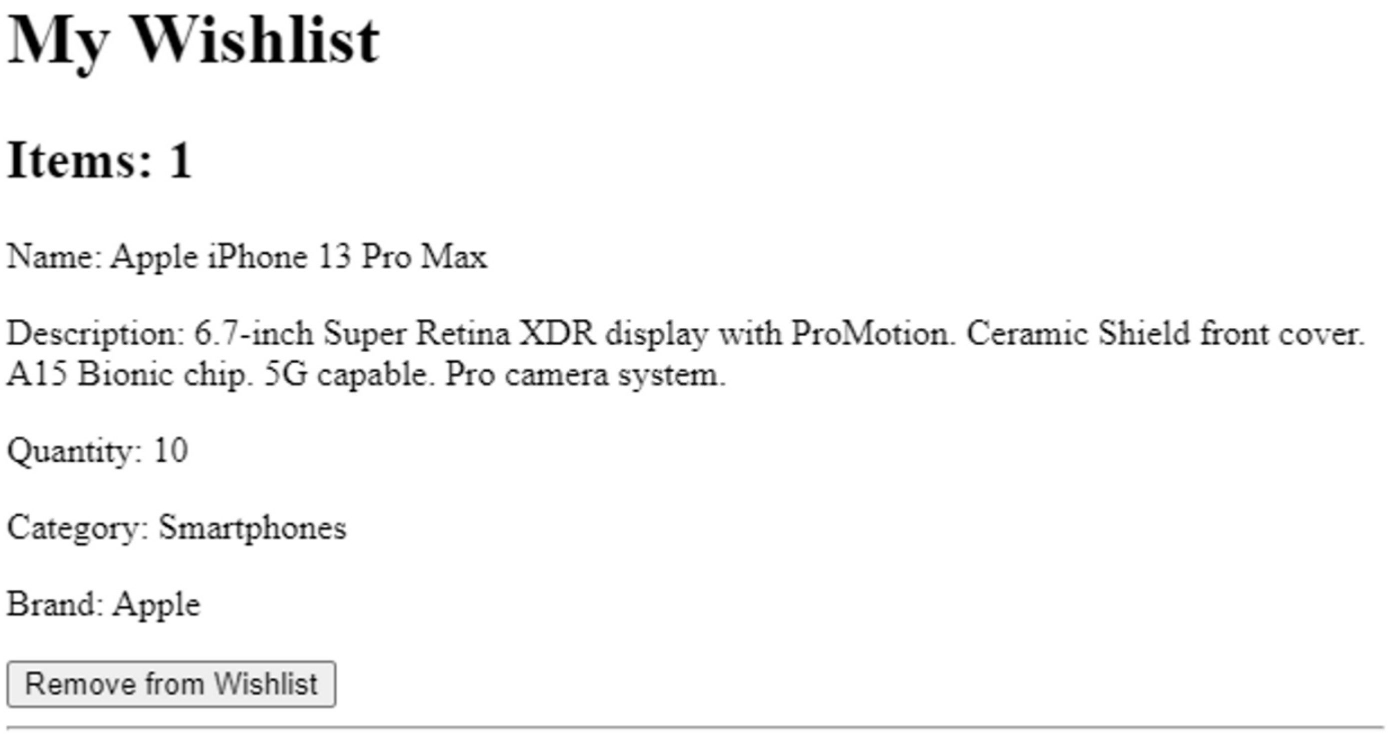
Description: 6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Quantity: 10

Category: Smartphones

Brand: Apple

Item removed from Wishlist



My Wishlist

Items: 1

Name: Apple iPhone 13 Pro Max

Description: 6.7-inch Super Retina XDR display with ProMotion. Ceramic Shield front cover. A15 Bionic chip. 5G capable. Pro camera system.

Quantity: 10

Category: Smartphones

Brand: Apple

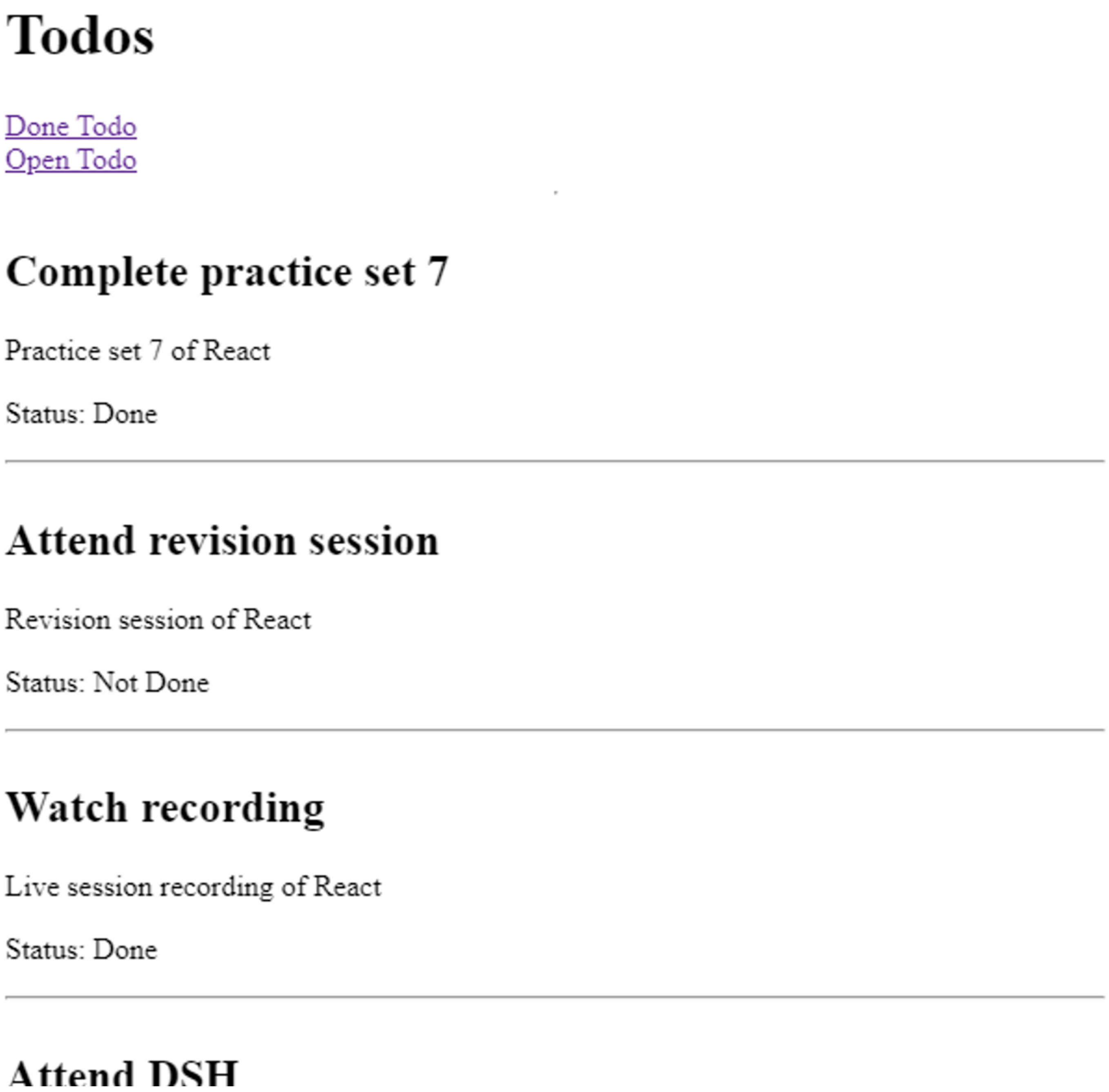
6. Create a Todo App in React with different routes for:

- Summary of Done and Open Todos page - fakeFetch has been provided. List all the Todos on this page.
- Done Todos page
- Open Todos page
- Page for Individual Todos item to show details of each Todo.

```
const fakeFetch = (url) => {
  return new Promise((resolve, reject) => {
    setTimeout(() => {
      if (url === 'https://example.com/api/todos') {
        resolve({
          status: 200,
          message: 'Success',
          data: {
            todos: [
              {
                id: 1,
                title: 'Complete practice set 7',
                description: 'Practice set 7 of React',
                isCompleted: true,
              },
              {
                id: 2,
                title: 'Attend revision session',
                description: 'Revision session of React',
                isCompleted: false,
              },
              {
                id: 3,
                title: 'Watch recording',
                description: 'Live session recording of React',
                isCompleted: true,
              },
              {
                id: 4,
                title: 'Attend DSH',
                description: 'Doubt Solving Hours of React',
                isCompleted: false,
              },
              {
                id: 5,
                title: 'Complete practice set 8',
                description: 'Practice set 8 of React',
                isCompleted: false,
              },
              {
                id: 6,
                title: 'Watch a movie',
                description: 'Watch an old movie from my watchlist',
                isCompleted: true,
              },
            ],
          },
        })
      } else {
        reject({
          status: 404,
          message: 'Todos not found.',
        })
      }
    }, 2000)
  })
}
```

COPY

Home



Todos

Done Todo
Open Todo

Complete practice set 7

Practice set 7 of React

Status: Done

Attend revision session

Revision session of React

Status: Not Done

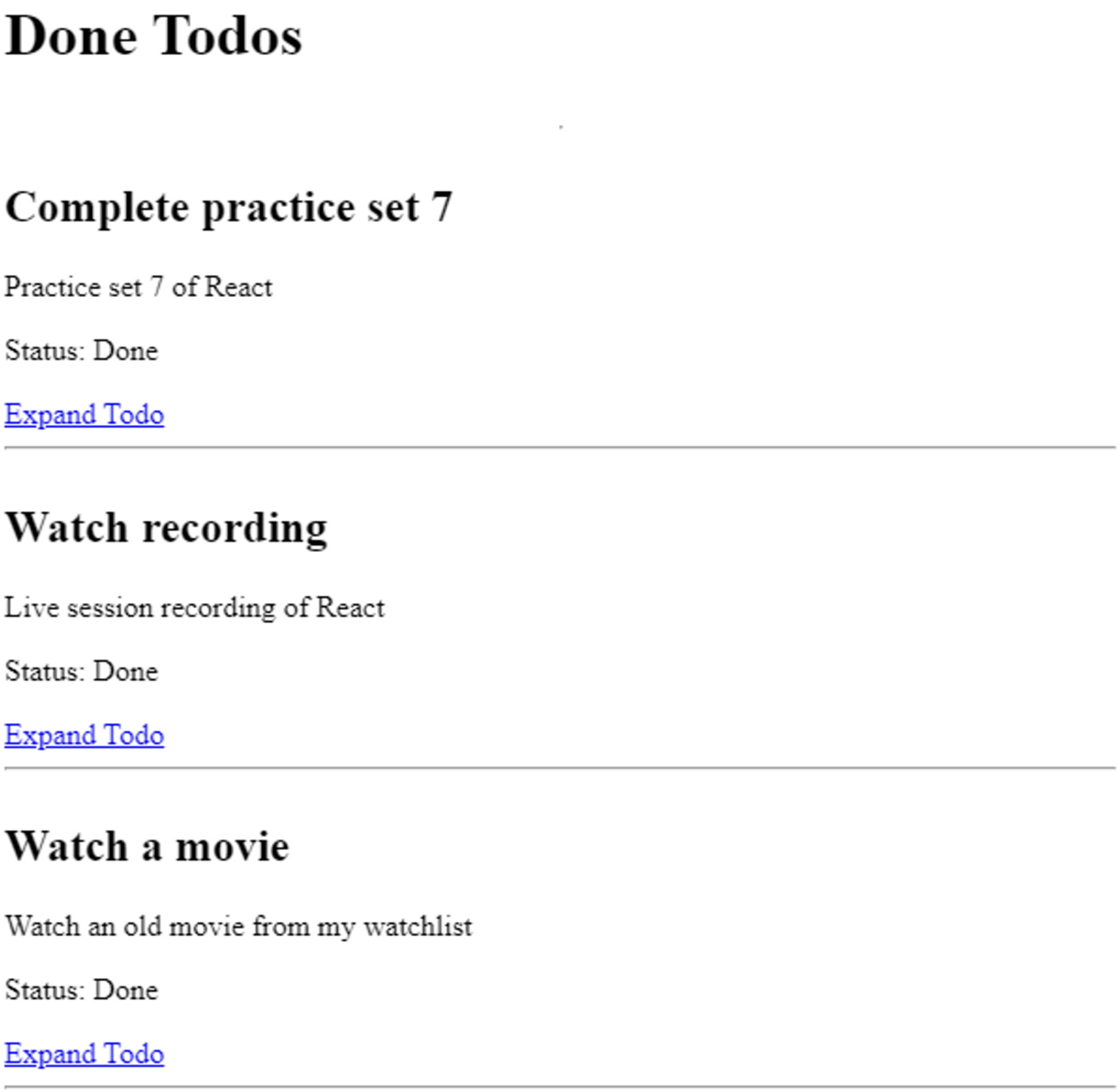
Watch recording

Live session recording of React

Status: Done

Attend DSH

Done Todo



Done Todos

Complete practice set 7

Practice set 7 of React

Status: Done

Expand Todo

Watch recording

Live session recording of React

Status: Done

Expand Todo

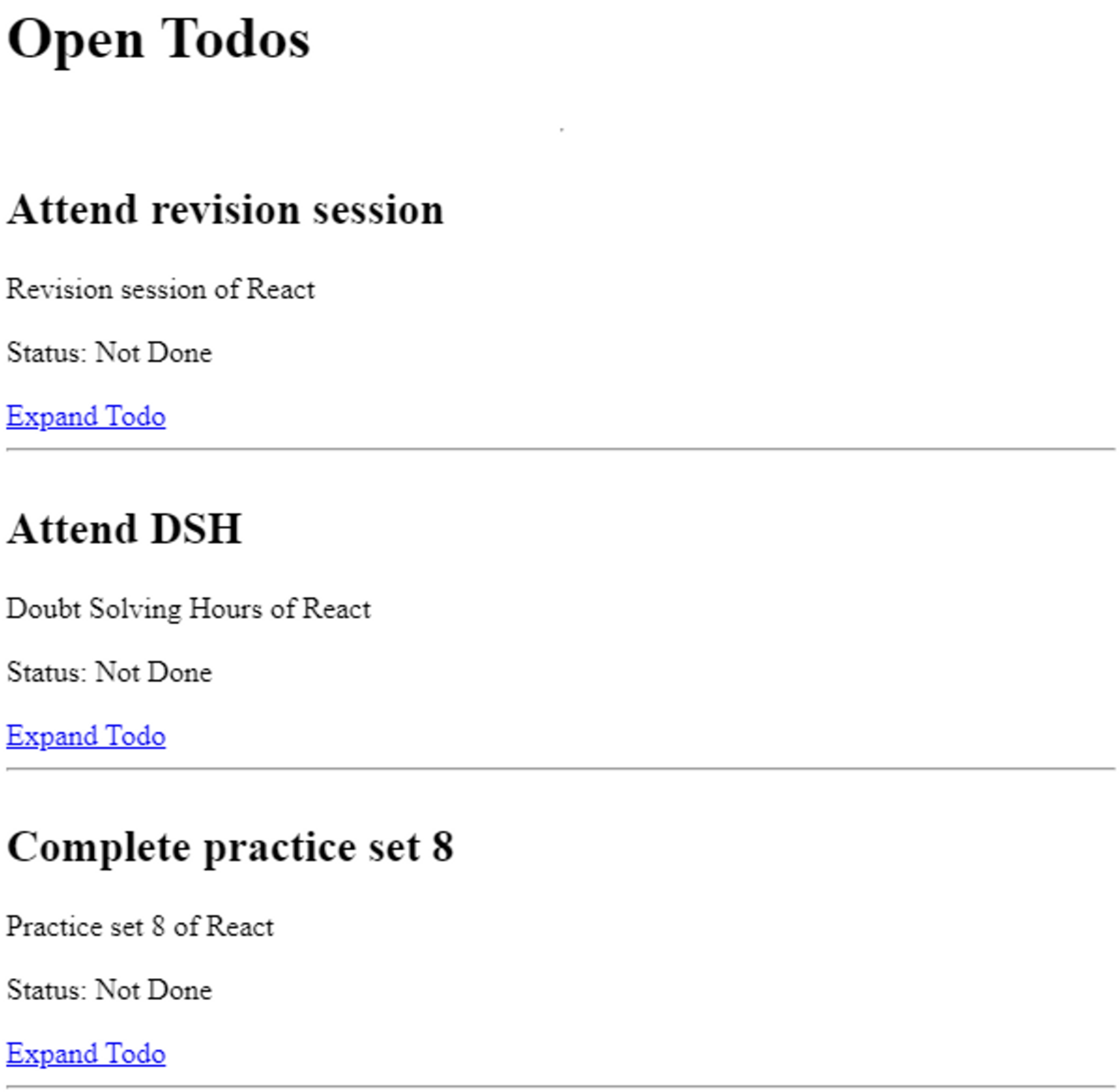
Watch a movie

Watch an old movie from my watchlist

Status: Done

Expand Todo

Open Todo



Open Todos

Attend revision session

Revision session of React

Status: Not Done

Expand Todo

Attend DSH

Doubt Solving Hours of React

Status: Not Done

Expand Todo

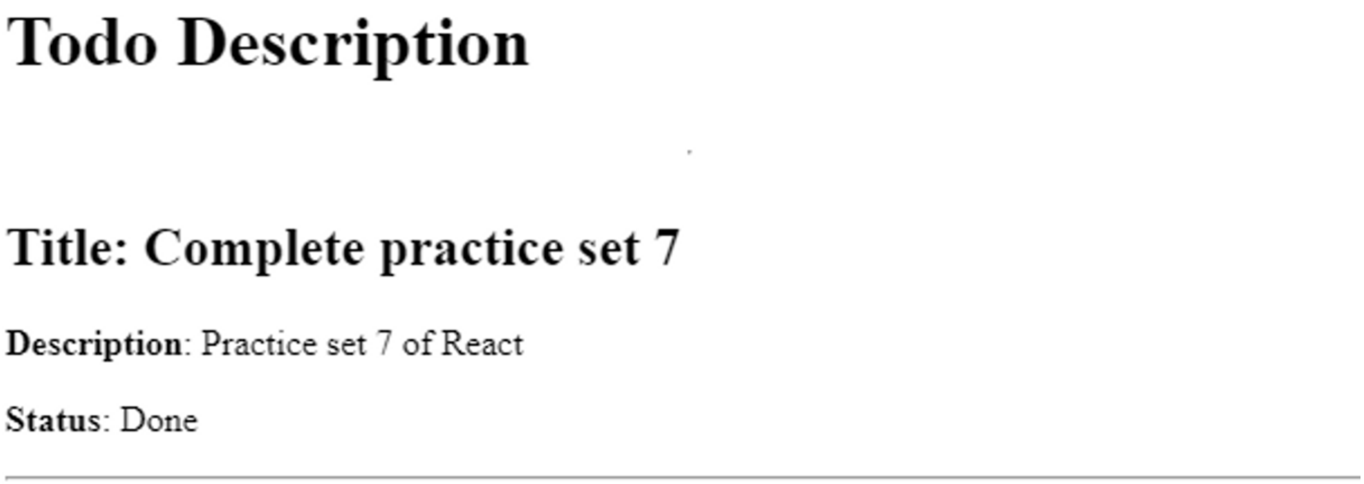
Complete practice set 8

Practice set 8 of React

Status: Not Done

Expand Todo

Single Todo Page



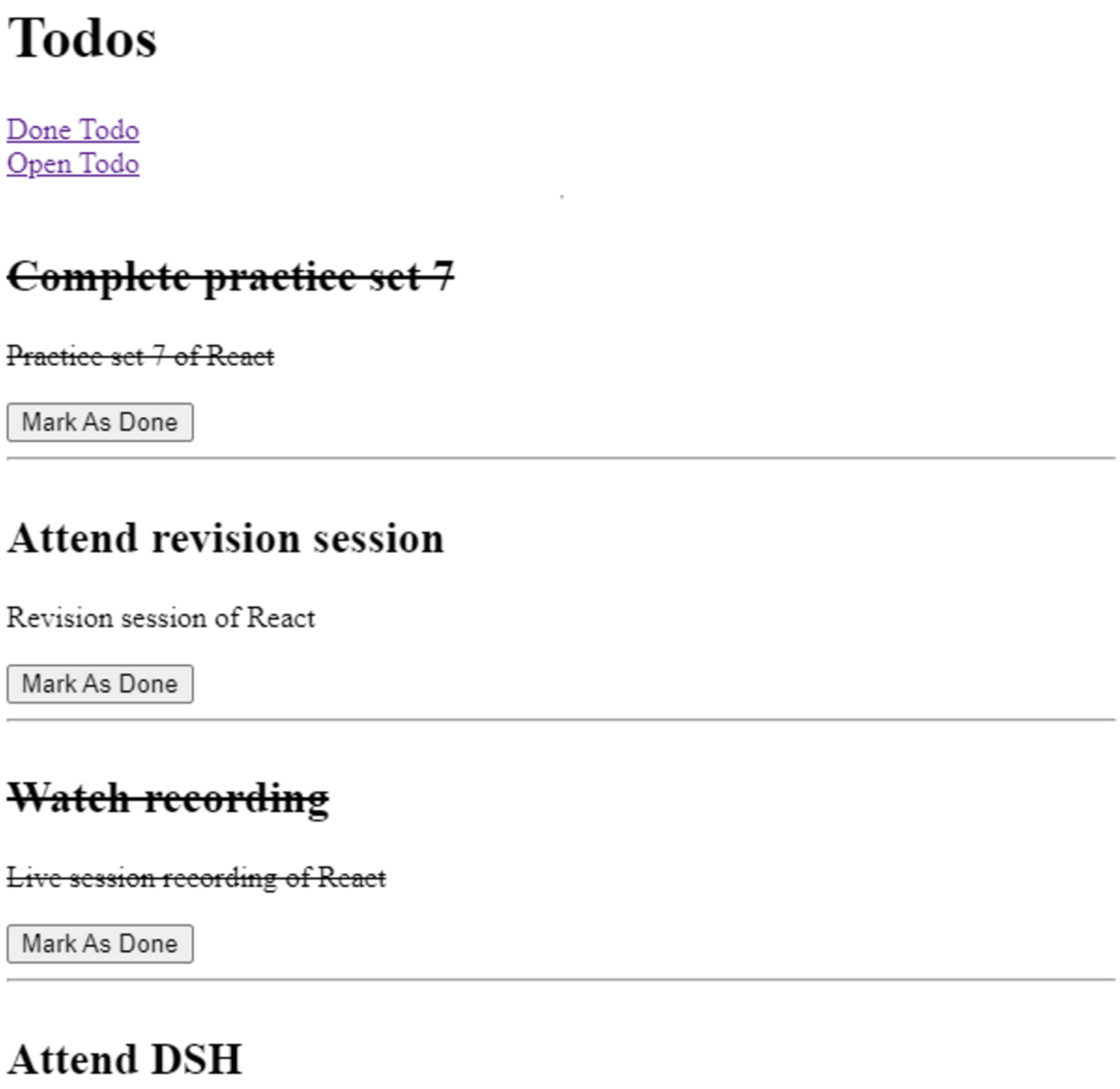
Todo Description

Title: Complete practice set 7

Description: Practice set 7 of React

Status: Done

7. In the question above, add a Mark as Done button to each todo. Then do the following using context:
    1. On click of the button, add that todo to the Done Todos page.
    2. Show the total number of Todos done on top of the Done Todos pages.
    3. In the Summary page, strike through that todo.



Todos

Done Todo
Open Todo

~~Complete practice set 7~~

~~Practice set 7 of React~~

Attend revision session

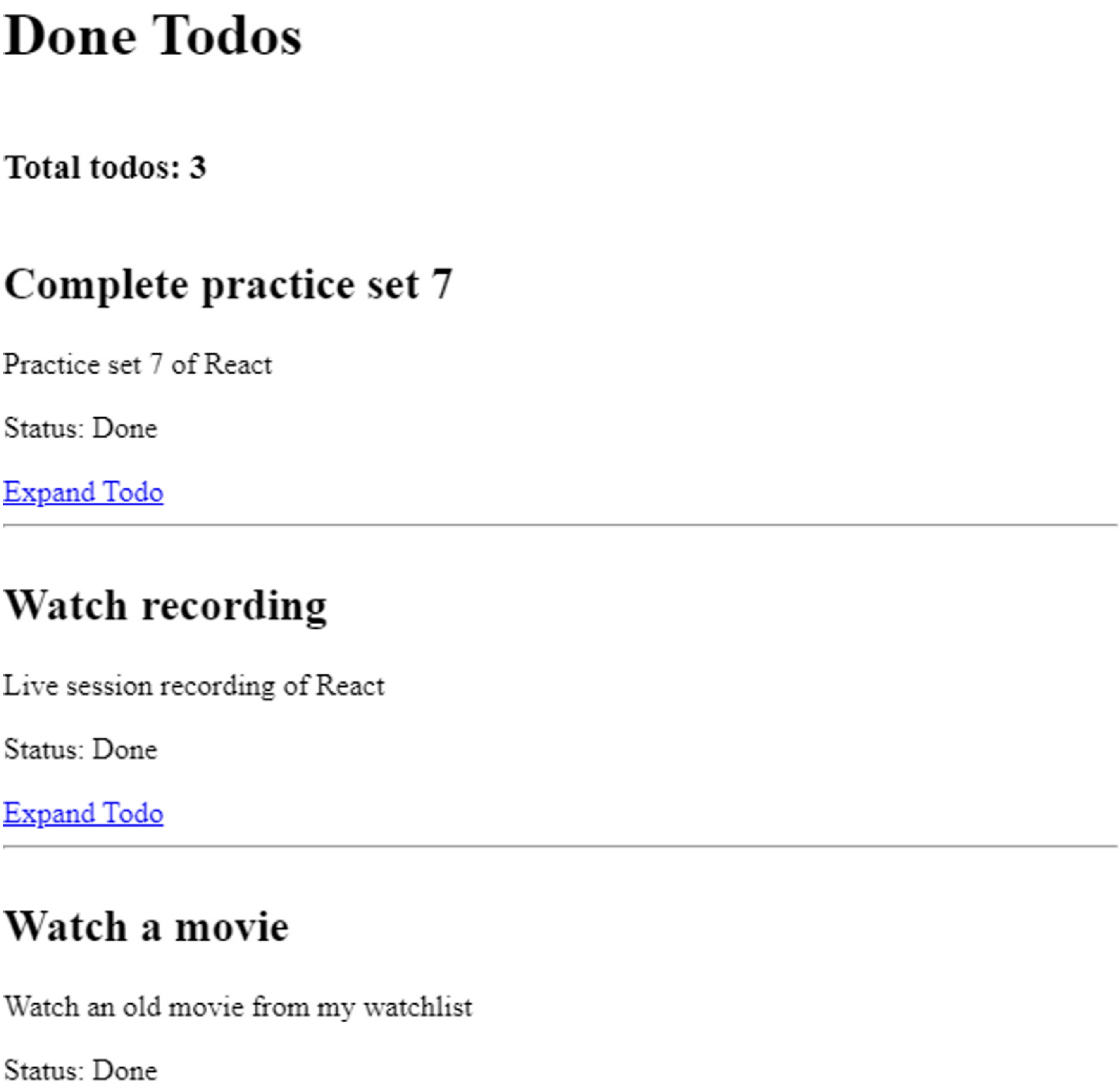
Revision session of React

~~Watch recording~~

~~Live session recording of React~~

Attend DSH

Done Todos



Done Todos

Total todos: 3

Complete practice set 7

Practice set 7 of React

Status: Done

Expand Todo

Watch recording

Live session recording of React

Status: Done

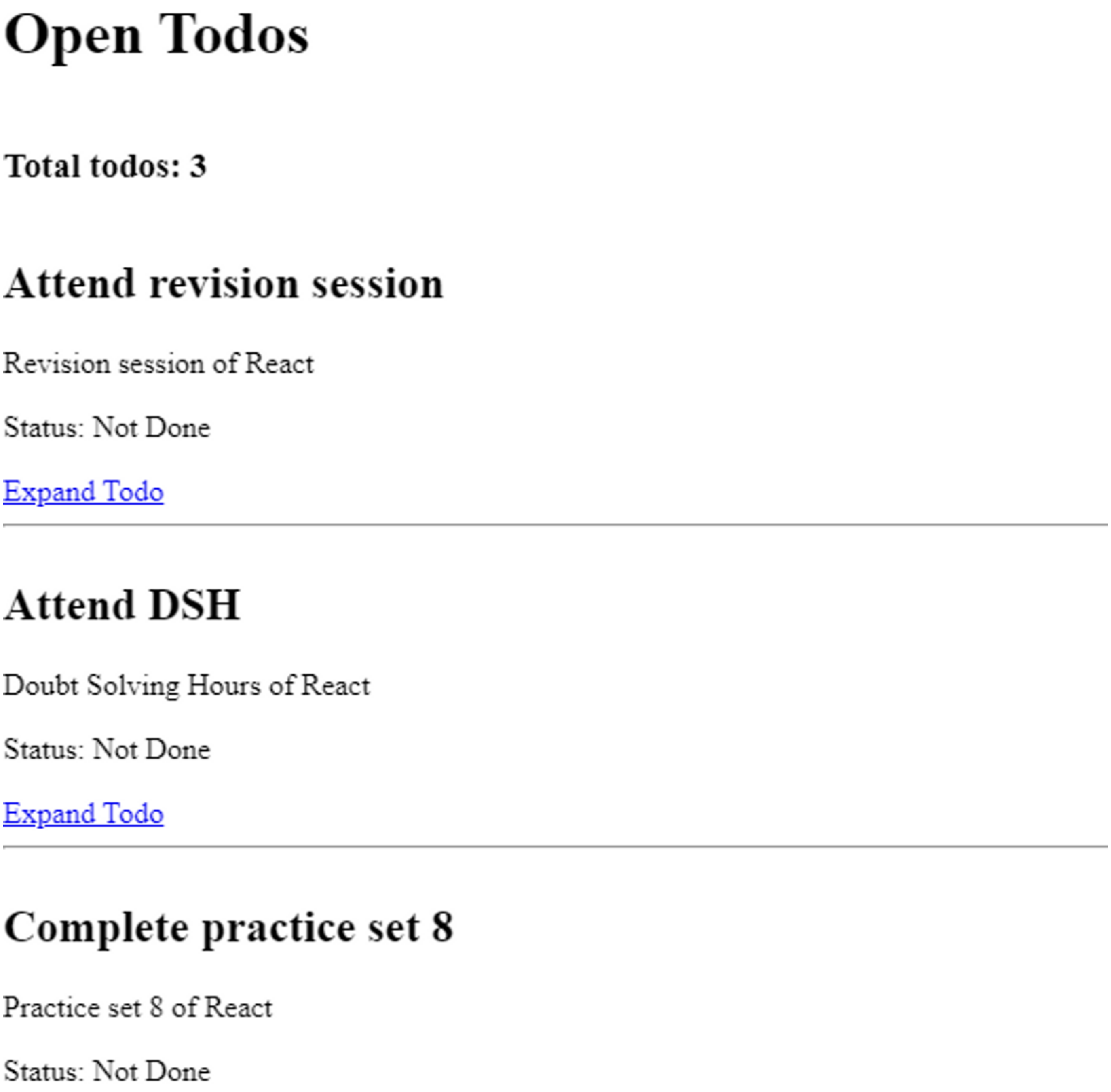
Expand Todo

Watch a movie

Watch an old movie from my watchlist

Status: Done

8. In the above question, show the total number of Open Todos on the top of Open Todos page using context.



Open Todos

Total todos: 3

Attend revision session

Revision session of React

Status: Not Done

Expand Todo

Attend DSH

Doubt Solving Hours of React

Status: Not Done

Expand Todo

Complete practice set 8

Practice set 8 of React

Status: Not Done

9. Create a forum app in React with different routes for:

    - Home page
    - Questions page
    - Answer page

    The Home page shows a welcome message with the user's name. The Questions page will list all the questions with 3 buttons: upvote, downvote, and answers. On click of answers button, Answer page should display with that particular question and answer.

```
export const fakeFetch = (url) => {
  return new Promise((resolve, reject) => {
    setTimeout(() => {
      if (url === 'https://example.com/api/questions') {
        resolve({
          status: 200,
          message: 'Success',
          data: {
            questions: [
              {
                id: 1,
                question:
                  'What is the difference between null and undefined in JavaScript?',
                answer:
                  'Null means a variable has been declared but has no value. Undefined me
              },
              {
                id: 2,
                question:
                  'What is the difference between let and var in JavaScript?',
                answer:
                  'Let is block-scoped and var is function-scoped. Variables declared wit
              },
              {
                id: 3,
                question: 'What is an arrow function in JavaScript?',
                answer:
                  "An arrow function is a concise way to write a function in JavaScript.
              },
            ],
          },
        })
      } else {
        reject({
          status: 404,
          message: 'Questions not found.',
        })
      }
    }, 2000)
  })
}
```

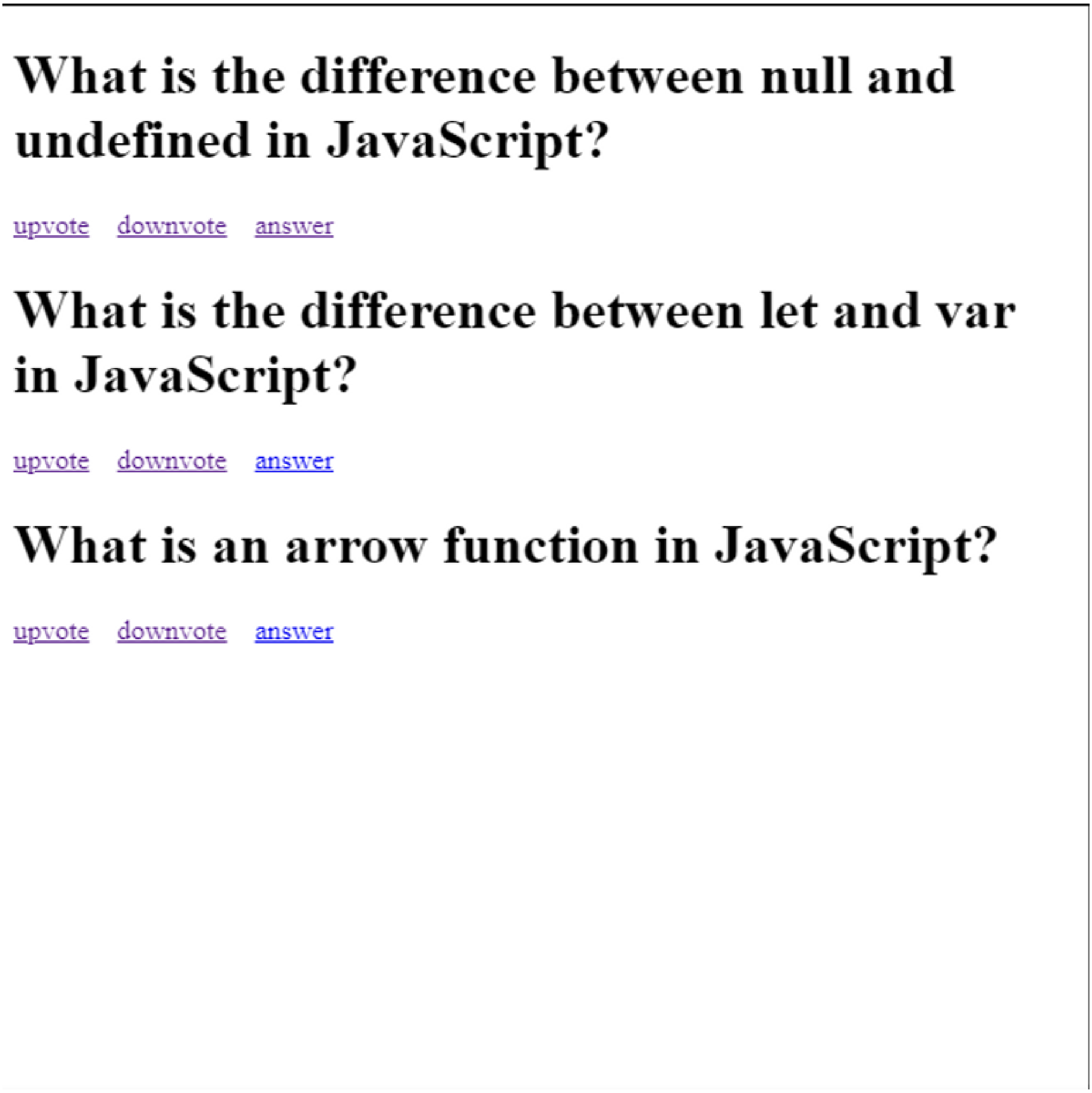
COPY

Home Page:

Welcome John

Show questions list

Questions Page:



What is the difference between null and undefined in JavaScript?

upvote downvote answer

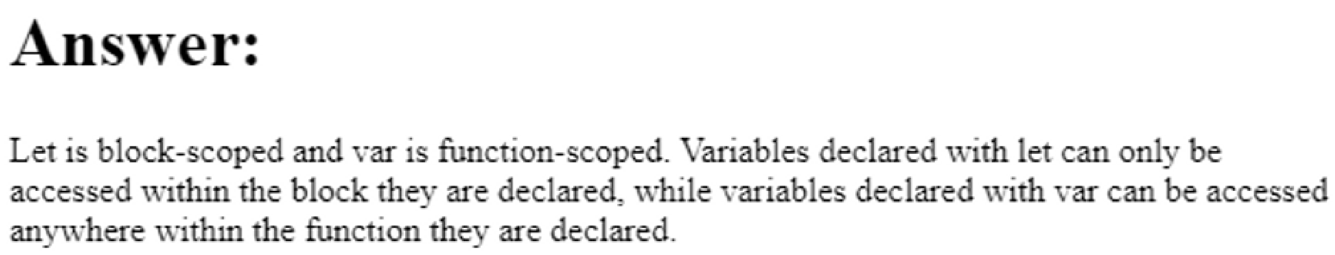
What is the difference between let and var in JavaScript?

upvote downvote answer

What is an arrow function in JavaScript?

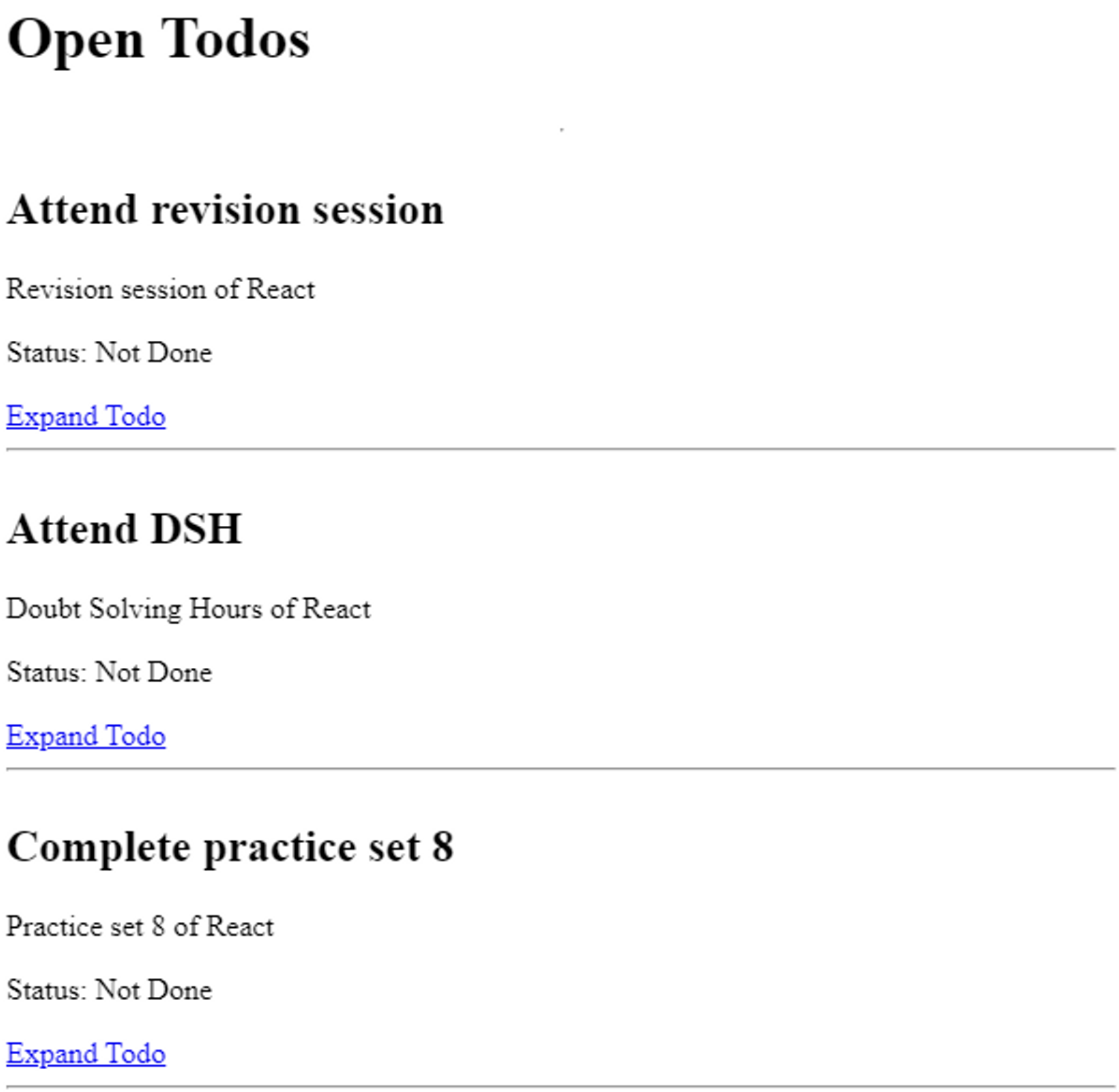
upvote downvote answer

On click of each question’s answer, you should display a single page describing the answer as below:



Answer:

Let is block-scoped and var is function-scoped. Variables declared with let can only be accessed within the block they are declared, while variables declared with var can be accessed anywhere within the function they are declared.



Open Todos

Attend revision session

Revision session of React

Status: Not Done

Expand Todo

Attend DSH

Doubt Solving Hours of React

Status: Not Done

Expand Todo

Complete practice set 8

Practice set 8 of React

Status: Not Done

Expand Todo