USER MANUAL:

Version 1.0.0

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USER MANUAL: STUDENT

1. LOGIN

You can login directly from this page (Figure 1) using your student email address and password. After loading, waiting to be successfully authenticated, you will be redirected to the Main/Home page(Figure 2) of the app. Note the logout button on the top right of the home page, meaning from that point forward, you can logout.
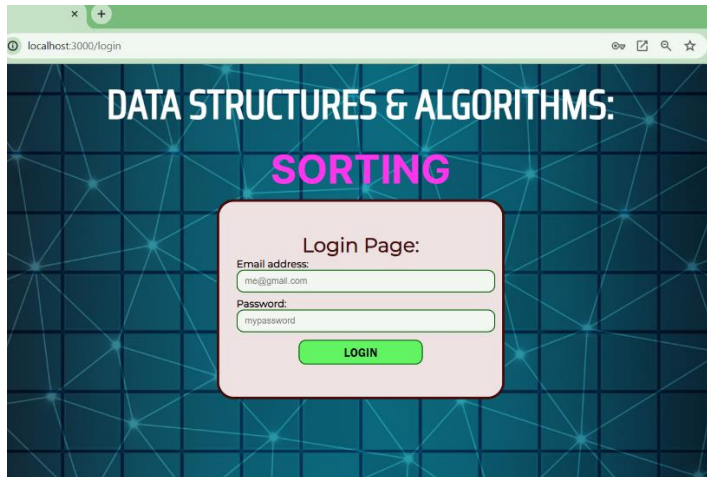

Figure 1: Initial Login Page

2. Main/Home Page

From the main page, you can navigate to the Practice Mode, Visualizer Mode, or Test Mode, by clicking on the respective buttons.

Practice Mode: Brief explanations of the Sorting algorithms included in this application, namely Bubble Sort, Merge Sort and Quick Sort. Included in this mode practice quizzes focused on each individual sorting algorithm, images and pseudocode showing how each algorithm works, and other helpful websites that expand more on the topics.
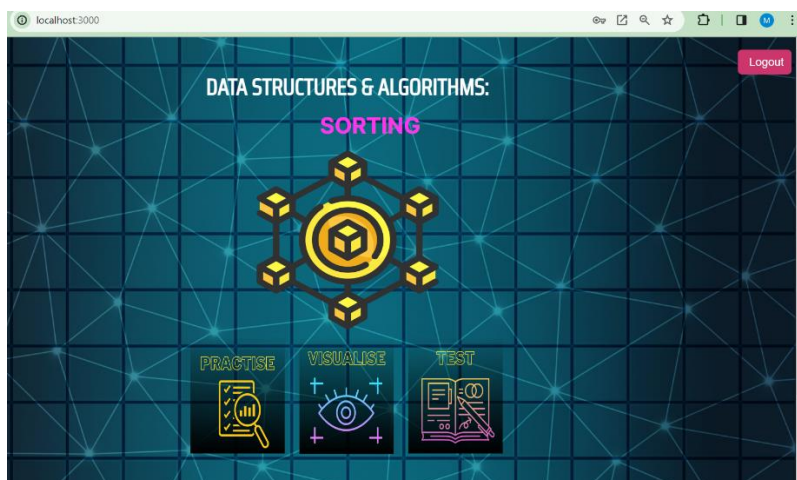

Figure 2: Main/Home Page

2.a) Practice Mode

After clicking on the "Practice" Mode button on the Home Page, you will be redirected to this page, the Main page for all the Sorting algorithms. This includes brief and general information about Sorting algorithms. Marked in red, is the icon to show the side bar.
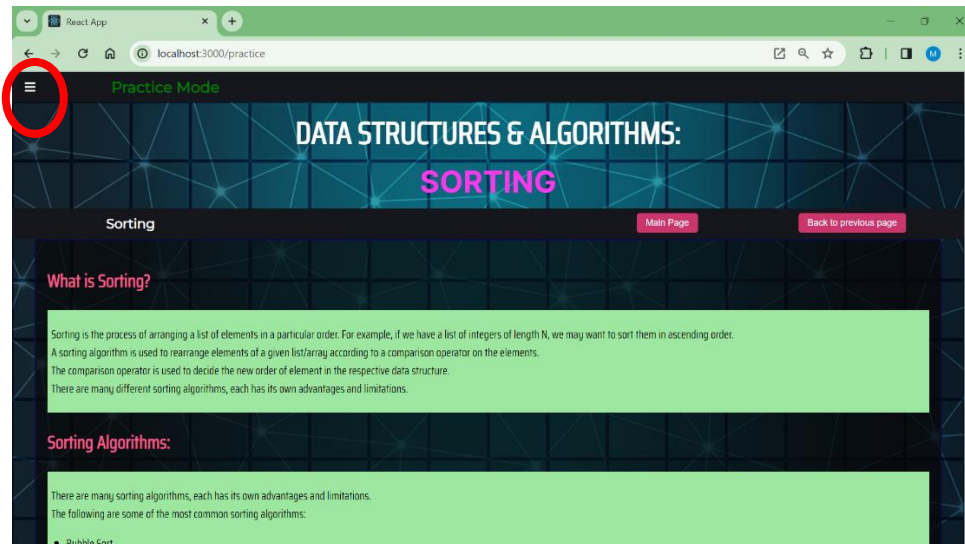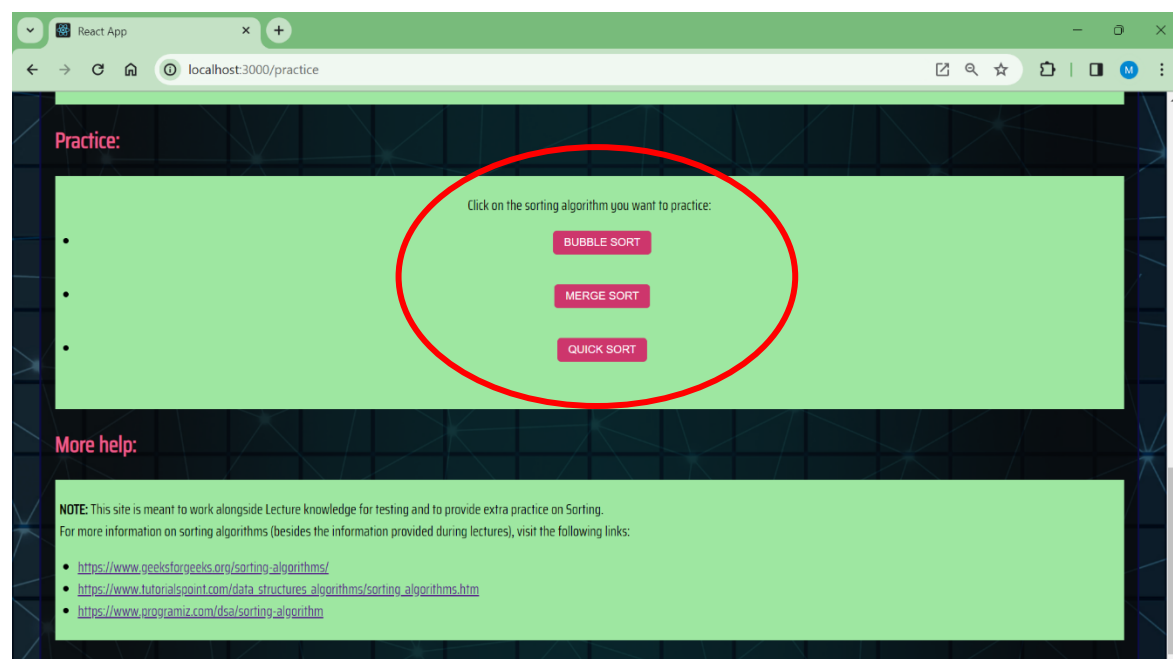

Figure 3: Sorting Algorithms Main Page

Navigate to different sort pages:

Method 1: Scrolling further down on the Sorting Algorithms Main Page, you'll see the 3 buttons encircled, which can be used to navigate to each sort's main page. In the "More help" section, helpful sources/websites are included; helpful sources about each topic are included on every main page.

<u>Method 2: The Sidebar</u>

Sidebar

The side bar can be used to navigate to the different pages included on it.
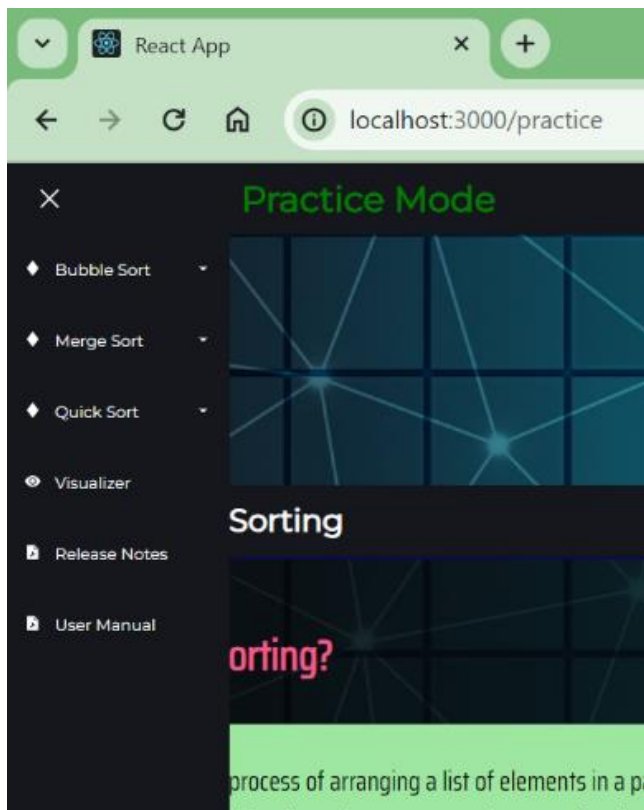
Figure 4: Sidebar

Bubble Sort main page:

Merge Sort main page:

Quick Sort main page:

Accessing Practice Quizzes:

When on the main page of the sort you want to practice, click on the sidebar, and click the down arrow near the name of the sorting algorithm you want to practice. Then click on "Practice Quizzes" and you will be redirected to a page where you can see the list of quizzes for you to attempt.
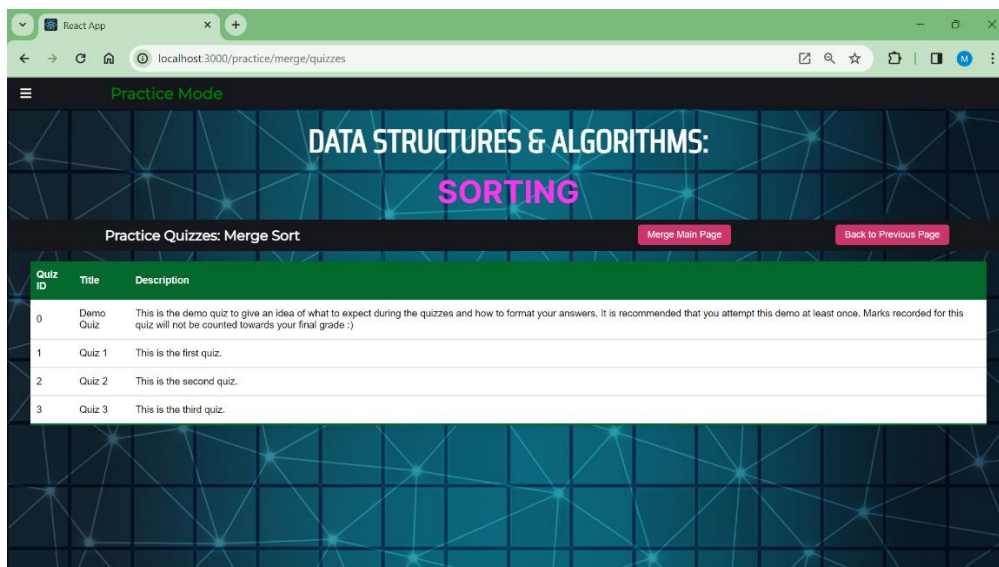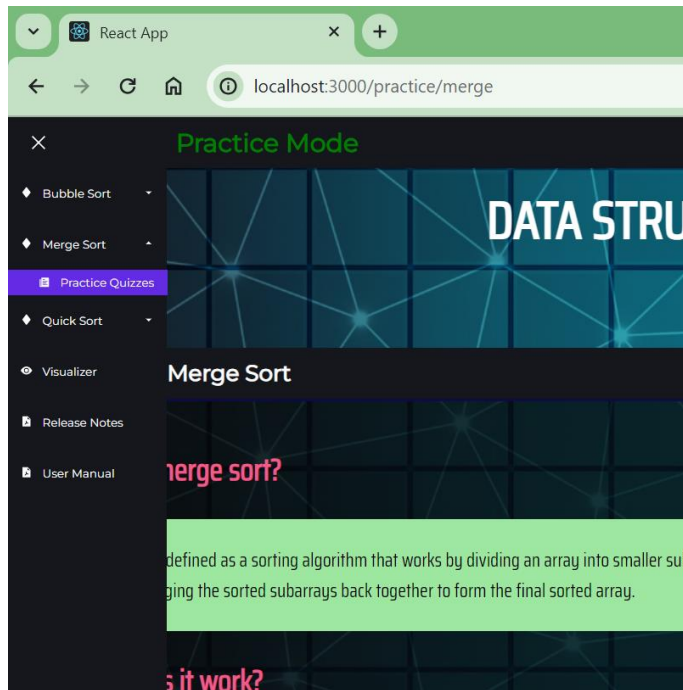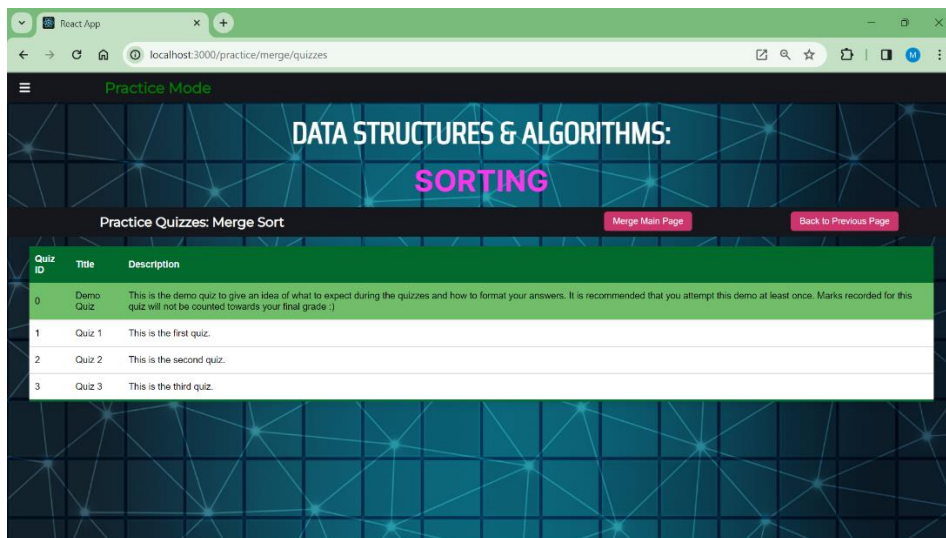

Figure 5:List of Practice Quizzes

Click on the row of the quiz you want to attempt:
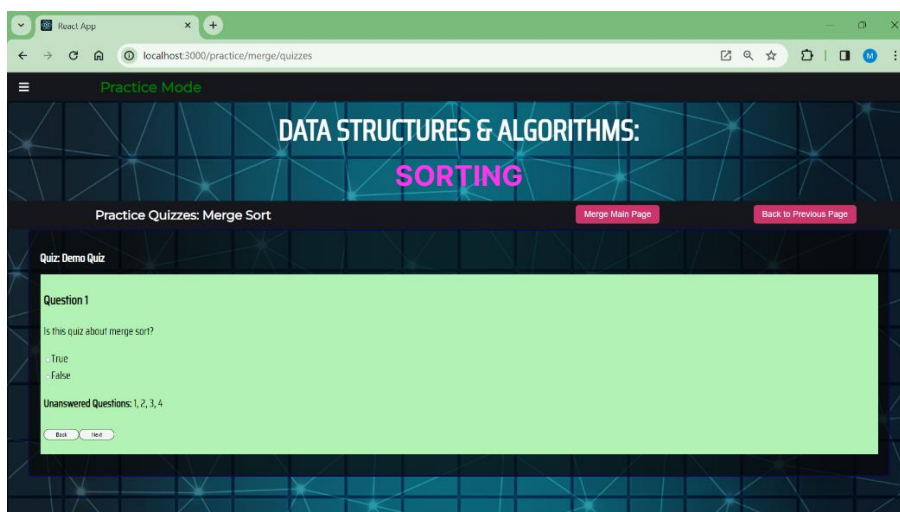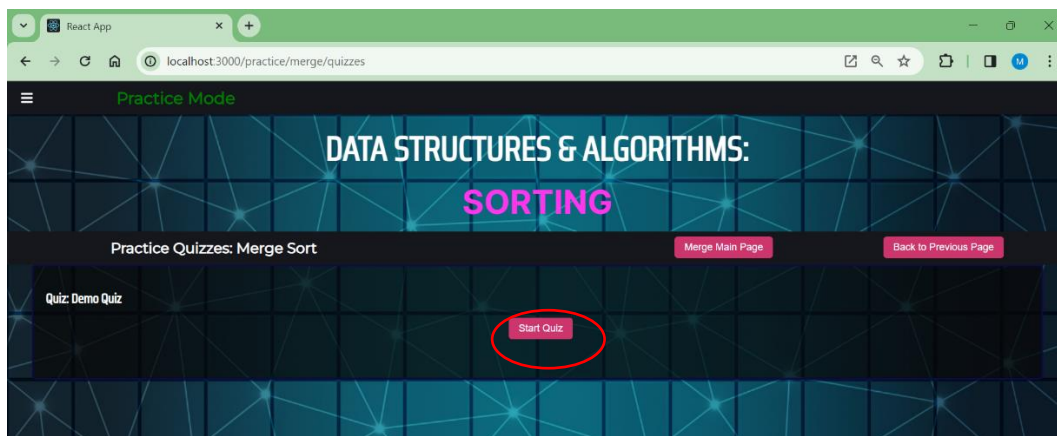

Now you can start a quiz:

Figure 6:Quiz Example

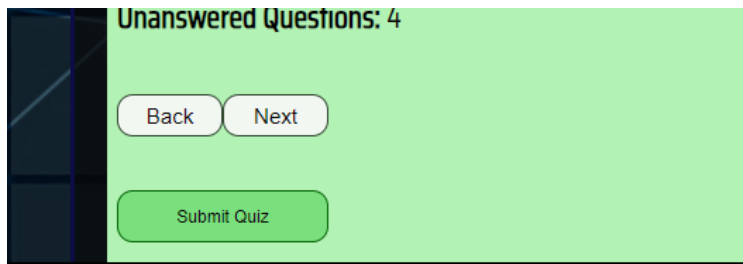Submit a quiz using the submit button that shows up at the last question:
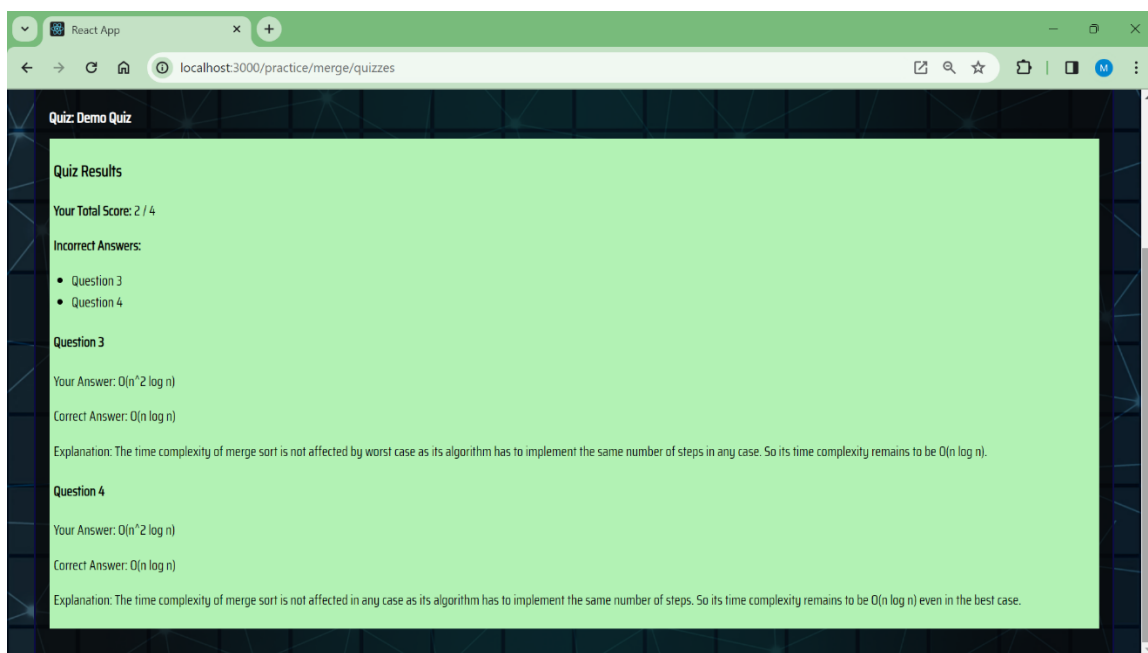

*Figure 7:Cropped image, submit button*

After submitting a quiz, such feedback is given:

Test Mode

Similar to Practice quizzes, but does not include examples, extra information or helpful websites. This is for you to really test your knowledge. Important to note: The results from taking ay of the tests on this mode, are recorded and take part in your overall grade. In practice mode, your marks are not recorded.

Again you can click on the row of the test you need to write, and will be redirected to where you can start the test quiz, similar to starting a practice quiz.
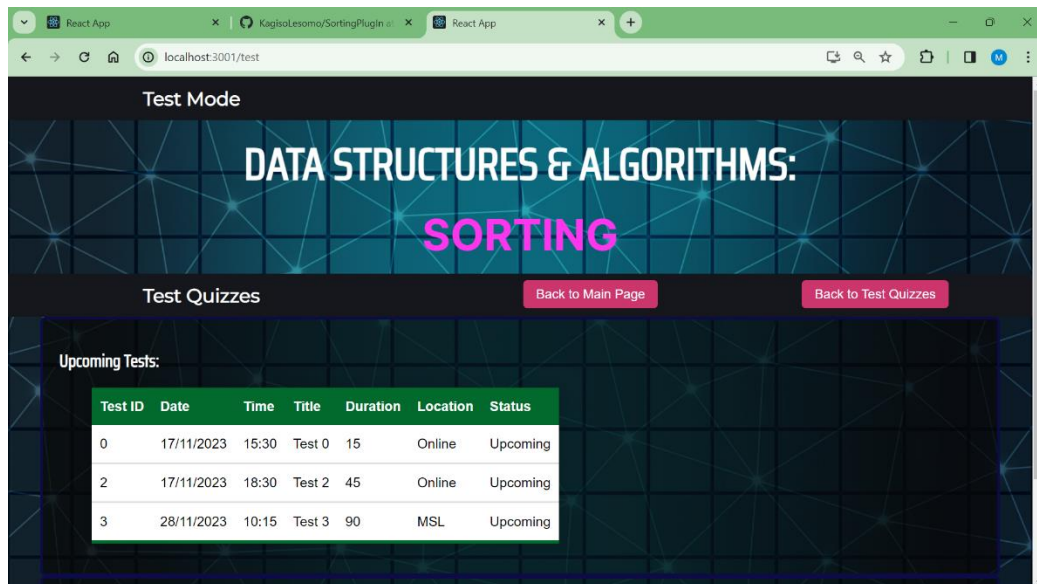
Visualiser Mode:
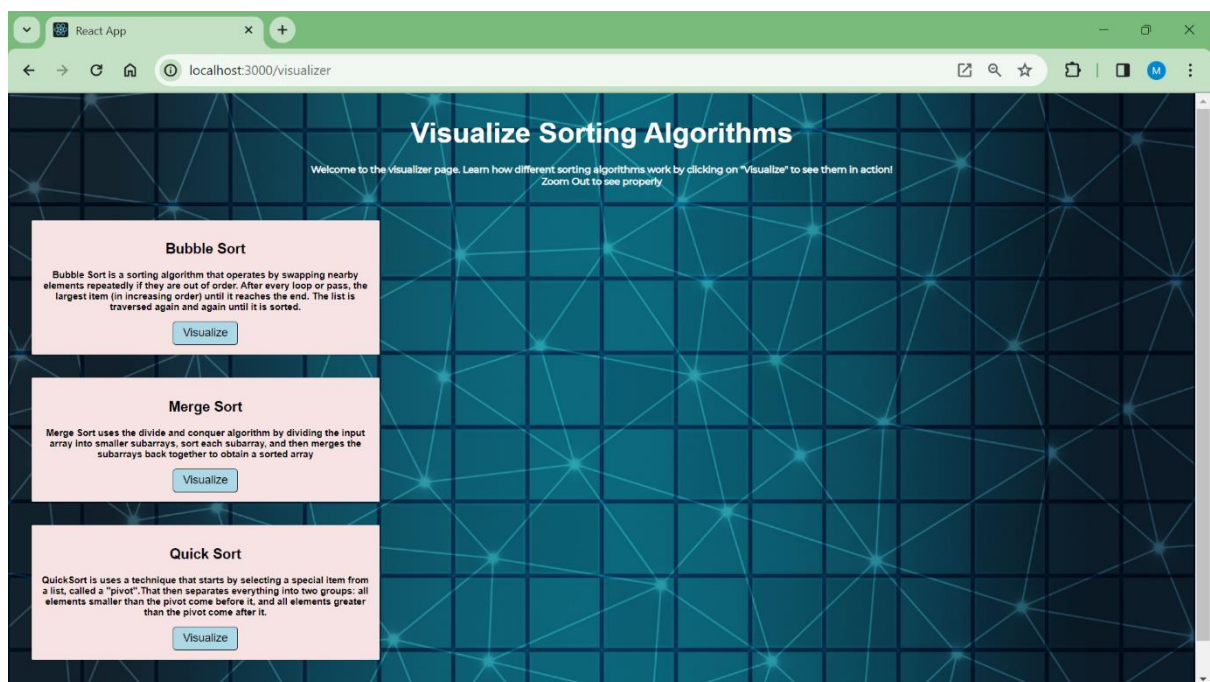
Admin Manual

An admin has to login from the initial login page shown in Figure one and then they are redirected to their own login page.

Admin Manual Pages: