Minesweeper ReactJS Challenge [Xerris]

Hello! I have drafted this document to make it convenient for you to understand how I have approached my assessment. Also, this document will hopefully ensure that this project is up and running on your system.

Let me give you a quick heads up on the rules of this game:

This project demonstrates how a once-popular game- "Minesweeper" could be developed using ReactJS, Redux, and JavaScipt concepts and problem-solving techniques.

This game is about revealing all cells, without clicking on the mine's location cells.
- Left click for revealing the cell.
- Right Click to flag the cell (that you don't want to reveal, you are guessing, it might have mines).
- You will win if non-mines reveal become zero.
- You lose if you click on a mine.

Github Link:

https://github.com/gauravichavan89/minesweeper_using_react_redux_javascript

Installation

- Install current or latest version of node from https://nodejs.org/en/ for Windows Installer.
- Install git from https://git-scm.com/ for Windows Installer to add or edit changes concurrently.
- Install the latest version of VSCode editor from https://code.visualstudio.com/download for Windows. [You may use any compatible editor of your choice. I have used this one here.]
- Add React Developer Tool & Redux DevTools from Chrome Extension
- Import npm package by referring to guidelines specified https://docs.npmjs.com/downloading-and-installing-node-js-and-npm

Running the tests

- Import npm package by referring to the guidelines specified from the following document: https://docs.npmjs.com/downloading-and-installing-node-js-and-npm
- Type on the command prompt: **npm install**
- Then type on the command prompt: **npm start**
- If the above steps are successful, then you will be redirected to the local port that you specified in your code; here I have set it to 3000. http://localhost:3000/
- Try playing the game.

Note: [Below outputs may help in quickly evaluating the assessment- Video and Photos]

- Kindly have a look at the **demo video "Demo-MineSweeper-Execution_and_Working"** to know how to execute this project and to get an insight into the working of this game. Please contact me if you face difficulty running it on your system.
- I have also shared output pictures in the **document "Output Pictures"** of different events on a separate document. The code has been commented for simplification.