

Programming Assignment-7

Take Home Series ~ CSI 3150

Submission Instruction:

1. Your final submission should be made on the Moodle platform as a **single** .PDF file. **If your answers need code snippet, then you are allowed to take screenshots (clearly readable) of your Code Editor's window and your browser window (to show the output of your code if required) and paste it as an image in your answer document file.**
2. Late submission penalties will be strictly enforced as outlined in the syllabus. Follow Moodle portal for deadline dates and times.

Questions:

1. Explain in details the following ReactJS concepts and their significance with the help of syntactically correct code snippets **(60 points)**
 - a. Custom components in React JS
 - b. React props
 - c. React State Management using React Hook – useState
 - d. React Hook - useEffect
2. Write a React Component for a “User Sign Up” functionality (and take snapshot of your code editor for the component or submit the github repo link), where the user will be presented with a form with the following form fields:
 - a. User Full Name
 - b. User’s desired username
 - c. User email
 - d. User Address, and
 - e. User Phone Number

Once the user inputs all the data and submits the form, console log the user inputs to the browser (and take a snapshot of it for proof of work and include it in your submission document) to verify that your component is able to capture the user input and store it temporarily in your program. Note, you may also use this work to satisfy the “with the help of syntactically correct code snippets” requirement for Q1. Part a. **(40 points)**